

LINDA P.B. KATEHI

Chancellor
Professor of Electrical and Computer Engineering
Professor of Women and Gender Studies
University of California, Davis

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DEGREES

- Ph.D., Electrical Engineering, University of California, Los Angeles, 1984
- M.S., Electrical Engineering, University of California, Los Angeles, 1981
- Diploma in Mechanical and Electrical Engineering, National Technical University of Athens, Greece, 1977

PROFESSIONAL EXPERIENCE

- August 17, 2009-Today: Chancellor, University of California, Davis, Davis, CA
- August 17, 2009-Today: Professor of Electrical and Computer Engineering and of Women and Gender Studies
- April 1, 2006-August 16, 2009: Provost and Vice Chancellor for Academic Affairs, The University of Illinois, Urbana-Champaign, IL
- April 1, 2006-August 16, 2009: Professor of Electrical and Computer Engineering, The University of Illinois, Urbana-Champaign, IL
- January 1, 2002- March 31, 2006: John A. Edwardson Dean of Engineering and Professor of Electrical and Computer Engineering, Purdue University, West Lafayette, IN
- September 1, 1999-December 31, 2002: Associate Dean for Academic Affairs, The University of Michigan, Ann Arbor, MI
- May 1, 1998- August 31, 1999: Associate Dean for Graduate Education, The University of Michigan, Ann Arbor, MI
- September 1, 1995- April 30, 1998: Member of the College of Engineering Executive Committee, The University of Michigan, Ann Arbor, MI

- September 1, 1994- September 1, 1995: College of Engineering Associate Director of Graduate Program, The University of Michigan, Ann Arbor, MI
- 1994-2002: Professor of Electrical Engineering and Computer Science, The University of Michigan, Ann Arbor, MI
- 1989-1994: Associate Professor of Electrical Engineering and Computer Science, The University of Michigan, Ann Arbor, MI
- 1984-1989: Assistant Professor of Electrical Engineering, The University of Michigan, Ann Arbor, MI
- 1979-1984: Graduate Student Research Assistant, University of California, Los Angeles
- 1978-1979: Research Engineer, Department of Defense, Naval Research Lab, GETEN, Athens Greece
- 1977-1978: Lecturer, National Technical University of Athens Greece

ADMINISTRATIVE ASSIGNMENTS AT THE UNIVERSITY OF CALIFORNIA, DAVIS; 2009-Today

In her present role, Chancellor Katehi is the chief executive officer of the University of California, Davis. She oversees all aspects of the university's teaching, research and public service mission. Located close to the state capital, UC Davis has 32,000 students, an annual research budget that exceeds \$680 million, a comprehensive health system and 13 specialized research centers. The University has a budget of \$3B annually and in the fall of 2010 will enter the public phase of a comprehensive campaign (\$1B) to be completed by 2013-2014. The university offers interdisciplinary graduate studies and more than 100 undergraduate majors in four colleges—Agricultural and Environmental Sciences, Biological Sciences, Engineering, and Letters and Science—and advanced degrees from six professional schools—Education, Law, Management, Medicine, Veterinary Medicine and the Betty Irene Moore School of Nursing.

ADMINISTRATIVE ASSIGNMENTS AT THE UNIVERSITY OF ILLINOIS; 2006-2009

As Provost and Vice Chancellor for Academic Affairs, she was the chief academic and budgetary officer for the campus. She oversaw all academic and financial programs, policies and priorities that had been designed to ensure a memorable educational experience for students and sustain an environment that encourages and supports academic excellence. All of the deans and directors of academic units reported to the Provost. Since its founding in 1867, the University of Illinois at Urbana-Champaign has been committed to excellence in research, teaching, and public engagement. Over 29,000 undergraduate students are enrolled in ten undergraduate divisions, which together offer some 4,000 courses in more than 150 fields of study. The divisions are the College of

Agricultural, Consumer and Environmental Sciences; College of Applied Life Studies; College of Business; College of Communications; College of Education; College of Engineering; College of Fine and Applied Arts; College of Liberal Arts and Sciences; School of Industrial and Labor Relations, and Institute of Aviation. Graduate students are enrolled in 15 divisions including the College of Medicine, the College of Veterinary Medicine, the School of Social Work, the Graduate School of Library and Information Science and the College of Law that collectively with the other divisions offer more than 50 fields of studies. The campus has a budget of \$1.5B with over \$400M in research expenditures. The University of Illinois at Urbana-Champaign is embarking on a \$1.5B capital campaign which is expected to be completed by 2011.

ADMINISTRATIVE ASSIGNMENTS AT PURDUE UNIVERSITY; 2002-2006

As the Dean of Purdue's College of Engineering from January 2002 until April 2006, Professor Katehi was the College's primary academic and administrative officer. The College of Engineering included twelve major degree areas with over 6,500 undergraduate students, more than 2,300 graduate students, 345 faculty members, and over 400 staff. Professor Katehi was responsible for the development of an aggressive strategic plan that moved Purdue Engineering to the next level of excellence and made it one of the top engineering colleges in the country. As part of that plan, Purdue's engineering faculty has been growing to reach a total of 395 faculty members by 2007, resulting to a 30% total increase in eight interdisciplinary signature areas. These signature areas were developed to focus Purdue Engineering on its strengths as it expanded into many new directions. From 2002 to 2006, the research activity in the College of Engineering experienced annual growth of 15%; research funding in 2006 exceeded \$100M/year and is expected to double by 2007. In parallel to the faculty growth, Engineering embarked on a \$500M capital campaign as part of the \$1.5B Purdue Capital Campaign. The engineering portion of this campaign aimed at increasing space by 60% through a number of new buildings, including a \$57M nanotechnology center, a \$48M engineering center, a \$25M Chemical Engineering addition, a \$20M Biomedical Engineering building, and a \$13M structures lab, all of them to be completed by spring 2007.

ADMINISTRATIVE ASSIGNMENTS AT U of M; 1994-2002

➤ Associate Dean for Academic Affairs, September 1999- December 2001

As the Associate Dean for Academic Affairs she was responsible for the 11 Departments and 3 Academic Programs in the College of Engineering. Specific responsibilities included College and Department budgets, space allocation, allocation of faculty positions, facilitation and approval of faculty hiring, start-up funds. She was in charge of the agenda of the College Executive Committee and responsible for initiating faculty promotions and tenure processes. Other responsibilities included assisting the Dean in

developing the strategic plan and budget for the College and facilitating interactions between the College of Engineering and the Provost's office on any issues related to academic affairs. Furthermore, she was responsible for the Continuing Professional Development Unit, the Computer Aided Network Unit and the Office of Women in Engineering.

➤ ***Associate Dean for Graduate Education, May 1998- August 1999***

In that position, she was responsible for all Graduate Programs in the College of Engineering, College Student Fellowships, International Programs and Professional Development Programs.

➤ ***Member of College of Engineering Executive Committee, 1995-1998***

This is the Executive Body of the College made by the Dean and four faculty members elected by the faculty and approved by the Regents. In her position as a member of this committee, Prof. Katehi participated in making executive budgetary decisions and introducing/endorsing policies related to budget, faculty promotions/tenure, new programs, resource allocation etc.

➤ ***College of Engineering Associate Director of Graduate Program, 1994-1995***

In this position, Prof. Katehi was responsible for the allocation of student fellowships, she was the liaison to Graduate School of Rackham and she was assisting the Associate Dean for Research and Graduate Programs on issues related to the College of Engineering Graduate Program.

MEMBER OF PRESIDENTIAL COMMITTEES

- Chair of the President's Committee for the National Medal of Technology, 2007-2010
- Chair of the Secretary of Commerce Committee for the National Medal of Technology, 2008-2010

MEMBER OF BOARD OF DIRECTORS

- Member of the Board of John Wiley & Sons, Inc., 2011-Today
- Member of the Board of the American Association for the Advancement of Science, 2007-2011
- Member of the Board of the CIC (Consortium on Institutional Collaboration) 2006-Today
- Member of the Board of the Cyprus Institute, 2008-Today
- Member of the Board of Bay Area Council of Economic Interests, 2010-Today
- Member of the Board of the Business Higher Education Forum, 2010-Today
- Member of the Board of the National Security Higher Education Forum, 2010-Today
- Member of the Board of Valley Vision, 2010-Today

MEMBER OF NATIONAL ADVISORY COMMITTEES

- Member of the California STEM Learning Network (CSLNet), 2011-Today
- Member of the Women and the Green Economy (WAGE) Campaign, 2011-Today
- Member of the Council on Competitiveness, 2011-Today
- Member of the NRC Committee on The Science Conceptual Framework, 2010-Today
- Chair of the NAE Committee on K-12 Engineering Education, 2007-2009
- Member of the NAS/NAE Committee on the Integrity of Research Data, 2007-2009
- Member of the American Academy of Arts and Sciences on the Federal Support of Research, 2007-Today
- Member of the Advisory Committee of the Harvard Radcliff College, 2006-2010
- Member of the NAE Committee on the Future of Engineering Research Enterprise (2003-2005)
- Member of the NAS Committee for Sensors and Communication Systems for the Special Operation Forces (2008-2010)
- Vice Chair of the Engineering Dean's Council of the American Association of Engineering Education (2005-2006)
- Member of the Public Policy Committee of the Engineering Dean's Council of the American Association of Engineering Education (2003-2005)
- Member of the Advisory Committee of the College of Engineering of University of Illinois at Chicago (2005-2008)
- Member of the Engineering Advisory Committee, Iowa State University, 2003-2006
- Member of the NRC Telecommunications Board, 2003-2004
- Member of the NRC, Army Research Lab Advisory Committee on Sensors and Electronics Division (SED), 2003-2008
- Member of the NSF Advisory Committee to CISE, September, 2003-Today
- Member of the NSF Advisory Committee to the Engineering Directorate, 2002-today
- Chair of the NSF Advisory Committee to the Engineering Directorate, 2004-2005
- Member of the NASA Aerospace Technical Advisory Committee (ATAC). Scientific Advisory Committee to Code R Associate Administrator, 2002-Today
- Member of the NASA Council of Deans, 2004-Today
- Chair of Pioneer Revolutionary Technologies Subcommittee for The Aerospace Enterprise of NASA, 2002-2004
- Faculty Advisor for CEN to DoD HPCMO under the PET II Program, 2001-2004
- Member of the DoD Advisory Group on Electron Devices, 2000-Today

- Member of the Advisory Board of Extraordinary Women Engineers Project, 2004-2006

SERVICE: Professional Activities

- Chair of the THz Electronics Workshop, April 2005
- ADCOM Member, IEEE Microwave Theory and Techniques Society, 2001-2005
- National Academies of Engineering and Science, Liason between URSI and IEEE AP-S, 1999-2001
- Chair of the IEEE MTT TPC Subcommittee on RF MEMS, 2000-2003
- Chair of the IEEE MTT-S 21 Subcommittee on RF MEMS, 2000-2003
- Member of the IEEE MTT-S 21 Subcommittee on RF MEMS, 2000-2006
- Member of the Executive Committee of the IEEE MTT Topical Meeting *on SiGe Devices and Circuits for High-Frequency Applications*, April 23-26 2000, Munich, Germany
- Focused Session Chair/Organizer, Sponsored by IEEE Microwave Theory and Techniques Society, *Packaging Technologies for Advanced Microwave/Millimeter-Wave Systems* Baltimore, MA, June 2000
- Member of NSF Technical Evaluation Committee on Wireless Communications, 1999
- Chair of the NSF Strategic Initiatives Workshop on Wireless Communications Networks, July 21-22 1999, Washington DC
- Chair of the IEEE MTT Topical Meeting on SiGe Devices and Circuits for High-Frequency Applications, September 17-18 1999, Ann Arbor, Michigan
- Short Course, Organized by the Army Federated Lab, *Short Course on MEMS for RF Applications*, July 1999
- Workshop Chair/Organizer, Organized by the IEEE Microwave Theory and Techniques Society *RF MEMS*, Anaheim, CA, June 1999.
- Workshop Chair/Organizer, Sponsored by IEEE Microwave Theory and Techniques Society, *Wavelets in Electromagnetics*, Denver, CO, July 1997.
- Member of the NSF Technical Evaluation Committee (WTEC) on *Wireless Technologies* 1998-1999
- Conference Chair, NSF Conference on *Technologies for Wireless Communications Systems*, July 1998, Arlington, VA
- Member, *Panel for Electronics Strategic Planning for the Army Research Office*, 1996-Today
- Chair of the IEEE MTT Topical Meeting on SiGe Devices and Circuits for High-Frequency Applications, September 17-18 1998, Ann Arbor, Michigan

- Associate Editor of IEEE MTT Transactions for Special Issues, 1996-1998
- Chair of Distinguished Lecturers Program, IEEE Antennas and Propagation Society, 1996-1998
- Chair of the IEEE MTT-S TPC Subcommittee on Passive Components, 1998-Today
- Workshop Chair/Organizer, Organized by the IEEE Microwave Theory and Techniques Society *Application of Wavelets to Electromagnetics*, Long Beach, CA, June 1996.
- Workshop Chair/Organizer, *Application of Wavelets to Electromagnetics*, Organized by the IEEE Antennas and Propagation Society, Baltimore, CA, July 1996.
- Short Course, Organized by the Army Research Office, *Short Course on Wavelets*, August 1995.
- Member of the IEEE MTT-S-15 Subcommittee on Field Theory, 1995-Today
- Member of the Executive Committee of the 1998 IEEE Conference on Electromagnetic Field Computation (CEFC)
- Member of Organizing Committee of the Topical Meeting on Electrical performance of Electronic Packaging 1996-Today
- Member, Review Panels for the NSF Presidential Young Investigator Awards, 1996-1998
- Member, Review Panels for the NSF Graduate Fellowships, 1995-1997
- Chairman of the Technical Program for the 1993 International Symposium on Antennas and Propagation, Ann Arbor, MI
- Associate Editor for Radio Science, 1992-1995
- Associate Editor for Antennas and Propagation, 1992-1996
- Technical Program Committee Member for the IEEE Microwave Theory and Techniques Society, 1988-today
- Member of IEEE Antennas and Propagation Administrative Committee, 1993-1996
- Member of the Editorial Board for *Compumag*
- Member for the Editorial Board of Advanced Computational Electromagnetic Society
- Member of the Editorial Board for International Magazine on Computer Aided Design
- Vice Chair of the IEEE AP/ED/MTT Southeastern Michigan Chapter, 1988-1989
- Chair of the IEEE AP-S/MTT-S/ED-S Southeastern Michigan Chapter, 1989-1990
- Secretary/Treasurer for the IEEE AP-S Chapter in Los Angeles, CA, 1983-1984
- Reviewer for the National Science Foundation 1984-Today
- Reviewer for the Army Research Office, 1984-Today

Member to Professional Societies

- IEEE Antennas and Propagation Society
- IEEE Microwave Theory and Techniques Society
- Sigma XI
- International Union of Radio Science (URSI), Commission D.
- International Society of Hybrid Microelectronics.
- Advanced Computational Electromagnetics Society (ACES)
- American Society of Engineering Education

RESEARCH INTERESTS

Professor Katehi is an expert in the areas of development and characterization (theoretical and experimental) of microwave, millimeter printed circuits; the computer-aided design of VLSI interconnects; the development and characterization of micromachined circuits for microwave, millimeter-wave and submillimeter-wave applications including MEMS switches, high-Q evanescent mode filters and MEMS devices for circuit reconfigurability; the development of low-loss lines for submillimeter-wave and terahertz frequency applications; theoretical and experimental study of uniplanar circuits for hybrid-monolithic and monolithic oscillator, amplifier and mixer applications; theoretical and experimental characterization of photonic bandgap materials.

HONORS AND AWARDS

National and International Honors and Awards

- Elected Member of the American Academy of Arts and Sciences, 2011
- Fellow of the of the American Association for the Advancement of Science, 2007
- Elected Member of the National Academy of Engineering, 2006
- UCLA Engineering Alumnus of the Year Award, 2006
- Leading Light Award for Women in High Tech, State of Indiana, 2004
- Distinguished Educator Award, IEEE MTT-S, Seattle, WA, June 2002
- Third Millennium Medal, IEEE Microwave Theory and Techniques Society, June 2000
- IEEE Fellow, Fall 1995
- Humboldt Research Award, 1994

- URSI Booker Award, (Young Scientist Award), USNC/URSI, XXII General Assembly, Tel-Aviv, Aug. 1987
- Presidential Young Investigator Award, NSF, January 1987
- Zonta International, Amelia Earhart Fellowship Award, 1982-1983 and 1983-1984

Best Paper Society Awards

- The 2001 IEE Marconi Premium Prize, Best Paper Award, by the IEE, UK, London Spring 2001
- 1997 Best Paper Award by the International Microelectronics and Packaging Society (IMAPS)
- 1996 Microwave Prize for Best Paper in the IEEE Transactions on Microwave Theory and Techniques
- 1985 IEEE AP-S Schelkunoff's (Best Paper) Award, Vancouver, Canada, June 1985.
- 1984 IEEE AP-S R.W.P. King Award, Boston, MA, June 1984

University Awards

- Faculty Recognition Award, The University of Michigan, Fall 1994
- Research Excellence Award, Electrical Engineering and Computer Science Department, The University of Michigan, 1993

Best Paper Awards

- 2001 IEEE MTT-S IMS Best paper Award (1st Prize) with Ron Reano and John Whitaker for the paper ***Integrated Electro-Thermal Probe***, Proceedings of 2001 IEEE MTT-S International Microwave Symposium, Phoenix, AZ, May 2001
- 2000 IEEE MTT-S IMS Best Paper Award (2nd Prize) with William J. Chappell and Mathew Little for the paper "**High-Q Two-Dimensional Defect Resonators-Measured and Simulated**," 2000 IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- 2000 IEEE MTT-S IMS Best Paper Award (1st Prize) with Katherine Herrick for the paper "**RF W-Band Wafer-to-Wafer Transition**," 2000 IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- 1999 IEEE MTT-S IMS Best Paper Award (1st Prize) Contest with James Becker for the paper "**Toward a Novel Planar Circuit-Compatible Silicon Microwave Waveguide**," 1999 IEEE Topical Conference in Electronic Packaging, San Diego, October 1999
- 1998 IEEE MTT-S IMS Best Paper Award (1st prize) with Gildas Gauthier for the paper "**A 94 GHz Aperture-Coupled Micromachined Microstrip Antenna**," 1998 IEEE Microwave Theory and Techniques Society, Baltimore, MA, June 1998

- 1998 IEEE MTT-S IMS Best Paper Award (3rd Prize) with Sergio Pacheco for the paper “**Micromechanical Electrostatic K-Band Switches,**” 1998 IEEE Microwave Theory and Techniques Society, Baltimore, MA, June 1998
- 1997 IEEE MTT-S IMS Best Paper Award (1st Prize) with Katherine Herrick for the paper “**W-Band Micromachined Finite Ground Coplanar (FGC) Line Circuit Elements,**” IEEE MTT-S, Denver, CO, June 1997
- 1995 IEEE MTT-S IMS Best paper Award (2nd Prize) with Kazem Sabetfakhri for the paper “**Fast Wavelet Analysis of 3-D Dielectric Structures Using Sparse Matrix Techniques,**” IEEE MTT-S, Orlando, FL, May 1995
- 1995 IEEE MTT-S IMS Best Paper Award (3rd Prize) with Tom Weller for the paper “**Miniature Stub and Filter Designs Using the Microshield Transmission Line,**” IEEE MTT-S, Orlando, FL, May 1995
- 1994 IEEE MTT-S IMS Best Paper Award (1st Prize) Rhonda Franklin for the paper “**Development of Miniature Microwave Circuit Components Using Micromachining Techniques,**” IEEE MTT-S, San Diego, CA, June 1994
- 1993 IEEE AP-S Best Symposium Paper Award (3rd Prize) with Kazem Sabetfakhri for the paper “**On the Application of Quasi-Wavelet Expansions to Open Dielectric Waveguide Problem,**” IEEE AP-S, Ann Arbor, MI, June 1993
- 1993 IEEE MTT-S IMS Best Paper Award (3rd Prize) with Kazem Sabetfakhri for the paper “**Novel treatment of Open Dielectric Waveguides,**” IEEE MTT-S, Atlanta, GA, June 1993
- 1992 IEEE MTT-S IMS Best Paper Award (2nd Prize) with Andy Engel “**On the Analysis of a Transition to a Layered Ridged Dielectric Waveguide,**” IEEE MTT-S, Tempe AZ, 1992

PATENTS ISSUED

1. U.S. patent 5,608,263 entitled *Micromachined self packaged circuits for high-frequency applications*, March 4, 1997
2. U.S. patent 5,821,836 entitled *Miniaturized filter assembly*, October 1, 1998
3. U.S. patent 5,913,134 entitled *Micromachined self packaged circuits for high-frequency applications*, June 15, 1999
4. US Patent 6,081,239, *Planar antenna including a superstrate lens having an effective dielectric constant*, June 27, 2000
5. US Patent 6,207,903, *Via transitions for use as micromachined circuit interconnects*, March 27, 2001
6. U.S. Patent 6,480,162, *Low cost compact omni-directional printed antenna*, November 12, 2002

7. U.S. Patent 6,509,880, *Integrated planar antenna printed on a compact dielectric slab having an effective dielectric constant*, January 21, 2003
8. U.S. Patent No. 6,664,93, *Multifunction Antenna for Wireless and Telematic Applications*, December 16 2003
9. U.S. Patent 6,677,769, *Scanning electromagnetic-field imager with optical-fiber-based electro-optic field-mapping system*, January 13, 2004
10. U.S. Patent 6,696,645, *On-wafer packaging for RF-MEMS*, February 24, 2004
11. U.S. Patent 6,825,741, *Planar filters having periodic electromagnetic bandgap substrates*, November 30, 2004
12. U.S. Patent No. 6,906,506, *Method and apparatus for simultaneous measurement of electric field and temperature using an electro-optic semiconductor probe*, June, 14, 2005
13. U.S. Patent No. 6,906,669, *Multifunction antenna*, June 14, 2005
14. U.S. Patent No. 7,196,637, *Antenna system embedded in a support structure for integrating a tire sensor*, March 27, 2007
15. U.S. Patent No 7,283,029, *3-D transformers for high-frequency applications*, October 16, 2007
16. US. Patent No. 7,760,142, *Self-Aligned Wafer Level Integration System*, December 2008
17. U.S. Patent No. 7,760,142, *Vertically Integrated Transceiver Array*, December 2009
18. U.S. Patent No. 7,824,997, *Membrane Suspended MEMS Structures*, May 2010
19. U.S. Patent No. 7,825,868, *Hand held Reader Antenna for RFID and Tire Pressure Monitoring System*, June 2010

PATENTS IN PROGRESS

1. U.S. Patent Application 20090246929, *Self-Aligned Wafer Level Integration System*, May 2009
2. U.S. Patent Application 20080309545, *Speed Measuring Device Including Fresnel Zone Plate lens Antenna*, December 18, 2008
3. U.S Patent Application 20080252401, *Evanescent Mode Resonator Including Tunable Capacitive Posts*, October 16, 2008
4. U.S patent Application 20080100394, *Microstrip-to-Coplanar Waveguide Transition*, May1, 2008

TEACHING ACTIVITIES

Prof. Katehi has taught a large variety of courses in Electromagnetics and Electronic and High Frequency Circuits at undergraduate as well as graduate levels.

GRADUATE AND UNDERGRADUATE STUDENT PROJECTS

Ph.D. Students who completed their degrees under Prof. Katehi's supervision

1. Larry Dunleavy, Ph.D., 4/1988, University of South Florida, Tampa, Florida, ***Professor***
2. William Harokopus Ph.D., 1/1991, Raytheon, Dallas, TX, ***Senior Research Scientist***
3. George Eleftheriades Ph.D., 5/1990, ***Professor***, University of Toronto
4. Norm Vandenberg, Ph.D., 10/1991, ERIM, MI, ***Senior Research Scientist***
5. Emilie Vandeventer Ph.D., 5/1992, University of Toronto, Canada, ***Associate Professor***
6. Nihad Dib Ph.D., 10/1992, Technical Jordan University, Aman, ***Jordan, Associate Professor***
7. Andrew Engel Ph.D., 2/1993, HP, Palo Alto, CA, ***Senior Research Scientist***
8. Kazem Sabetfakhri Ph.D., 5/1994, EMAG Technologies Inc., MI ***President***
9. Thomas Weller Ph.D., 8/1995, University of South Florida, ***Associate Professor***
10. Rhonda Drayton Ph.D., 10/1995, University of Minnesota, ***Associate Professor***
11. Heng-Ju Cheng Ph.D., 4/ 1999, Hewlett Packard, Palo Alto, CA, ***Senior Research Scientist***
12. Jong-Gwan Yook Ph.D., 5/ 1996, Kwang-Ju Institute of Science and Technology, Korea, ***Assistant Professor***
13. Steve Robertson Ph.D., 12/1996, Lucent Technologies, New Jersey, NY ***Senior Research Scientist***
14. George Ponchak Ph.D., 2/1997, NASA Glenn Research Center, OH, ***Senior Research Scientist***
15. Manos Tentzeris Ph.D., 2/1998 Georgia Tech, GA, ***Associate Professor***
16. Jui-Ching Cheng Ph.D., 2/1998 Taiwan University, ***Associate Professor***
17. Rashaunda Henderson Ph.D., 10/1999, University of Texas at Dallas, ***Assistant Professor***
18. Kavita Governdahanam Ph.D., 1/1999, Bell Labs, ***Senior Research Scientist.***
19. John Papapolymerou Ph.D., 2/1999, Georgia Tech, ***Associate Professor***
20. Katherine Herrick Ph.D., 12/1999, Raytheon, Andover, MA, ***Research Scientist***

21. Donghoon Chun Ph.D., 9/2000, EMAG Technologies, Ann Arbor, *Senior Research Scientist*
22. John D. Shumpert Ph.D., 11/2000, Northrop Grumman, MA, *Senior Research Scientist*
23. Kyoung Yang Ph.D., 12/2000, EMAG Technologies, Ann Arbor, MI, *Senior Research Scientist*
24. Kevin Lu Ph.D., 2/2001, Taiwan University, *Assistant Professor*
25. Zenqian (Jack) Ma Ph.D., 2001, Co-Advised with Prof. Bhattacharya, University of Wisconsin, *Assistant Professor*
26. Jae-Sung Rieh Ph.D., 2001, Co-Advised with Prof. Bhattacharya, University of Seoul, *Assistant Professor*
27. Jim Becker Ph.D., 5/2001, Montana State University, *Assistant Professor*
28. Sergio Pacheco Ph.D., 10/2003, Motorola, Phoenix, AZ, *Senior Research Scientist*
29. William Chappel Ph.D, 9/2002, Purdue University, *Associate Professor*
30. Costas Sarris Ph.D, 10/2002, University of Toronto, *Associate Professor*
31. Lee Harle Ph.D, 3/2003, Postdoctoral Fellow The University of Michigan
32. Dimitris Peroulis Ph.D, 7/2003, Purdue University, IN, *Associate Professor*
33. Alex Margomenos Ph.D, 7/2003, HRL, CA, *Senior Research Scientist*
34. Yongshik Lee Ph.D. 1/2004, Yonssei University, Korea, *Assistant Professor*
35. Ron Reano Ph.D. 2/2004, Ohio State Univ., OH, *Assistant Professor*
36. Yongming Cai Ph.D. 4/2004, University of Michigan, *Research Scientist*
37. Kok-Yan Lee co-advised with Professor Bhattacharya, Ph.D. 12/2004, University of Michigan, research Scientist
38. Yumin Lu co-advised with Dimitris Peroulis, Ph.D, 12/ 2004, *Senior Engineering MA/Com*, Boston, MA
39. Xun Gong co-advised with Bill Chappell, Ph.D, 12/2004, *Assistant Professor*, University of Central Florida, FL
40. Tae Yong Lee Ph.D. 1/2007, University of Michigan
41. Rosa Lahiji Ph.D. 4/2009 from Purdue University, Case Western, Postdoctoral Fellow
42. Xin Wang Ph.D. 8/2008 from Purdue University, Purdue University, Postdoctoral fellow.
44. Leo Liu Ph.D. 10/2010 from Purdue University, 8/2010, Purdue University, Postdoctoral fellow

Masters Students who have completed their MS degree only under Prof. Katehi's supervision

1. Claudia Zarnadelli MSEE, 12/1991, Chrysler, MI, Research Engineer
2. Mino Gupta MSEE, 12/1992, TI, Dallas TX, Research Engineer
3. Morgan Kurk MSEE, 9/1993, Motorola, Chicago, IL, Research Engineer
4. Mike Coluzzi MSEE, 6/1990, ITT, Los Angeles, CA, Research Engineer
5. Clyde Galerwaert MSEE, 5/1998, General Motors, Research Engineer
6. Noel Baisa MSEE, 1/1998, General Motors, Research Engineer
7. Tom Schwartz MSEE, 1/2000, Physics Department, Univ. of Michigan, Research Engineer
8. Phil Garber MSEE, 5/2001, Northrop Grumman
9. Kelly Turnquist MSEE, 1/2002, Northrop Grumman
10. Emigdio Inigo MSEE, 5/2003, Northrop Grumman
11. Michael Reiha MSEE, 12/2004 Delft University

Post Doctoral Fellows or Research Scientist who have actively participated in research projects

1. Nihad Dib Ph.D., University of Michigan, 10/1992 - 9/1994
2. Micheal Krumpholz Ph.D., Technical Univ. of Munich, Germany, 10/1993 - 3/1995
3. Steve Roberston Ph.D., University of Michigan, 1/1997 - 7/1998
4. Jong-Gwan Yook Ph.D., University of Michigan, 12/1996 - 10/1998
5. Gearhart David Ph.D., Univ. of Duisburg-humboldt Fellow, 10/1996 - 3/1999
6. Katherine Herrick Ph.D., University of Michigan, 2/2000 - 12/2000
7. Donghoon Chun Ph. D., University of Michigan (Part-time), 10/2000 to Present
8. Saeed Mohammadi Ph. D., University of Michigan, 10/1999 to 9/2002
9. John Whitaker Ph. D., University of Michigan, 10/1997 to 9/2002
10. Jack East Ph. D., University of Michigan, 10/1995 to Present
11. Powel Czarnul Ph.D., University of Warsaw, 1/1/2000 to 10/2002
12. Werner Thiel Ph.D., University of Ulm, 3/1/2001 to Present
13. Louis Lu Ph.D., University of Leeds, 1/1/2002 to Present
14. Lee Harle Ph.D., University of Michigan, 5/2003-12/2003
15. J Jeon Ph.D., Purdue University, 1/2003-Today
16. Boshui Lu Ph.D, University of Cincinnati, 1/2003-Today
17. Xing Lee Ph.D, The University of Michigan, 1/2005-Today

WORKSHOPS, SHORT COURSES, AND SEMINARS

Organized Workshops and Short Courses and Topical Meetings

- Workshop on RF MEMS Modeling and Characterization, Organizer and Speaker, 2003, IEEE MTT-S, Philadelphia, June 2003
- Workshop on Recent Developments in Si Micromachining and MEMS for High-Frequency Applications, Organizer and Speaker, EUMC, Milan, Italy, October 2002
- Workshop on RF MEMS, Organizer and Speaker, EUMC, London, UK, October 2001
- Workshop on Wavelets for EM, Device and Circuit Modeling, Organizer and Speaker: L.P.B. Katehi, Wavelets for Multiresolution Time Domain, IEEE MTT-S, Boston, MA, June 2000
- Workshop on Millimeter-Wave Packaging-Industry Practices and Emerging Technologies , Organizer and Speaker: L.P.B. Katehi and G.W Ponchak, On-Wafer Packaging and Three-Dimensional Integration, IEEE MTT-S, Boston, MA, June 2000
- NSF Conference on RF MEMS and Micromachined Circuits for Wireless *Communications Systems*, Dec 1999, Arlington, VA, Conference Chair
- Workshop on RF Micromachining for High Frequency Applications , European Microwave Conference, Munich, Germany, October 1999, Organizer and Speaker
- Workshop on RF MEMS for High Frequency Applications , IEEE MTT-S, Anaheim, CA, June 1999, Organizer and Speaker
- NSF Conference on Technologies for Wireless Communications Systems, July 1998, Arlington, VA, Conference Chair
- IEEE Microwave Theory and Techniques Topical Meeting on Si-Ge Circuits for High Frequency Applications, Ann Arbor MI, Fall 1998, Conference Chair
- Workshop on Wavelets in Electromagnetics, Organized by the IEEE Antennas and Propagation Society, Atlanta, GA, July 1998, Organizer and Speaker
- Workshop on High-Frequency Silicon Micromachining and Multi-Chip Integration, IEEE MTT-S, Baltimore, June 1998, Organizer and Speaker
- Workshop on Si-Based High-Frequency Circuits, Radio Frequency Integrated Circuits, June 1997, Denver, CO, Organizer and Speaker
- Workshop on Wavelets in Electromagnetics, Organized by the IEEE Microwave Theory and Techniques Society, Denver, CO, July 1997, Organizer and Speaker
- Workshop on Application of Wavelets to Electromagnetics, Organized by the IEEE Antennas and Propagation Society, Baltimore, CA, July 1996, Organizer and Speaker

- Workshop on Application of Wavelets to Electromagnetics, Organized by the IEEE Microwave Theory and Techniques Society, San Francisco, CA, June 1996, Organizer and Speaker
- Short Course on Wavelets, Organized by the Army Research Office, August 1995
- Short Course on Modern Computation Methods for Antennas, Circuits and Scattering, Organized by the IEEE Antennas and Propagation Society, Ann Arbor, Michigan, June 1993
- Short Course on Novel Transmission Lines for Submillimeter-Wave Applications, JPL, August 1992
- Short Course on Analysis of Waveguide-Fed Longitudinal Slots, Ericsson, Sweden, May 1989
- Short Course on High Frequency Performance of Microstrip Circuits, ERIM, Ann Arbor, Michigan, February 1985
- Short Course on The Theoretical Characterization of Microstrip Circuits, ERIM, Ann Arbor, Michigan, November 1984

Invited Seminars

- Gender Issues in Engineering Institutions of Higher Education, The Society of Electrical and Computer Engineering Chairs and Heads, Hawaii, March 2003
- Three-Dimensional Microcircuits and Systems, Technical Meeting, DARPA, Washington DC, March 2003
- Robust RF MEMS, Technical Meeting, DARPA, Washington DC, January 2003
- Micromachined Circuits for High-Frequency Applications, University of Minnesota, March 2000
- High Efficiency Micromachined Antennas and Circuits, University of Illinois at Chicago, April 1997
- Advanced Packaging in High-Frequency Circuits, University of Illinois, Champaign-Urbana October 1997
- Switching Noise in Printed Circuit Boards, INTEL, Oregon, January 1997
- Advanced Packaging in High-Frequency Circuits, University of Illinois, Champaign-Urbana, October 1996
- Si-Micromachining in High-Frequency Applications, IEEE MTT-S Seminar, South Florida Chapter, October 1996
- Si-Micromachining in High-Frequency Applications, Hughes Aircraft, December 1996.
- Advanced Packaging, Raytheon, October 1996
- Micromachined Circuits, Hughes Aircraft, Santa Barbara, August 1996

- Advanced Computations in Electromagnetics, Rockwell Science Center, May 1996
- High-Efficiency Circuits and Antennas, Hughes Aircraft, El Segundo, November 1996
- Micromachined circuits, TRW, July 1996
- Micromachined Circuits for High-Frequency Applications, Army Research Labs, Fort Monmouth, February 1996
- Micromachined Circuits for High-Frequency Applications, Naval Warfare Systems, Washington DC, February 1996
- Micromachined Circuits for High-Frequency Applications, Airforce, Wright Patterson Labs, Dayton, Ohio, February 1996
- Micromachined Circuits for High-Frequency Applications, Hughes Aircraft, Radars Division, LA, CA, November 1995
- Computation of Switching Noise, INTEL, Phoenix, AZ, October 1995
- Si-Micromachined Circuits for High-Frequency Applications, IEEE MTT-S Chapter of South London, England, April 1995
- Si-Micromachined Circuits for High-Frequency Applications, IEEE MTT-S Chapter of South London, England, April 1995
- Si-Micromachined Circuits for High-Frequency Applications, IEEE MTT-S Chapter, Machenster, England, April 1995
- Si-Micromachined Circuits for High-Frequency Applications, IEEE MTT-S Chapter, University of Queens, Belfast, Ireland, April 1995
- Planar Transmission Lines of Aperture Type, IEEE MTT-S Chapter, Dallas, April 1995
- Micromachined circuits, IEEE MTT-S Chapter, Dallas, October 1994
- Switching Noise in Printed Circuit Boards, INTEL, Oregon, April 1993
- Micromachined Lines for Submillimeter-Wave Applications, University of South Florida, April 1993
- Novel Transmission Lines for Submillimeter-Wave Applications, University of Illinois, Chicago, March 1992
- Analysis of Slot Arrays, IEEE MTT-S Chapter, Dallas, October 1991
- Radiation Effects in Open Microstrip Circuits, IEEE MTT-S Chapter, Dallas, October 1990
- Mutual Coupling in Stripline Fed Slots, Bendix/Allied Signal, Baltimore, Maryland, March 1990
- Characterization of Stripline Fed Slots, Bendix/Allied Signal, Baltimore, Maryland, October 1989

- Uniplanar Circuits for High-Frequency Applications, IEEE AP-S Chapter, Gothenberg, Sweden, May 1989
- Integral Equation Techniques for Planar Circuit Analysis, New York Polytechnic, New York, March 1989
- Planar Circuits for High-Frequency Applications, University of Arizona, April 1989
- Parasitic Radiation Effects in High-Frequency Applications, University of Texas, San Antonio, April 1988
- Full-Wave Analysis Techniques for Microstrip Circuits, University of Arizona, March 1988
- Numerical Analysis Tools for Microstrip Circuits, IEEE MTT-S Chapter, Los Angeles, March 1988

Invited Presentations in Workshops

- NAE Workshop/Panel on Engineer of 2020, July 23, 2004
- NAE Workshop on Diversity in the Engineering Curriculum September 2004
- Workshop on MEMS, BAW and Micromachined Filter Technology, 2004 IEEE IMS, Micromachined 3-D Filters in Silicon and Ceramic Substrate, by W. Chappell, L. P.B. Katehi, Forth Worth, Texas, June 7, 2004
- Workshop on Technologies for Frequency or Phase-Agile Circuits and Systems, 2004 IEEE IMS, by D. Peroulis and Linda P.B. Katehi, Forth Worth, Texas, June 7, 2004
- East-West Workshop on Advanced Techniques in Electromagnetics, Warsaw Poland, May 20 -21, 2004
- Workshop on Recent Developments in Si Micromachining and MEMS for High-Frequency Applications, Numerical Modeling of RF and Electromechanical Characterization of RF MEMS Switches, EUMC, Milan, Italy, October 2002
- Workshop on Recent Developments in Si Micromachining and MEMS for High-Frequency Applications, RF MEMS, EUMC, Milan, Italy, October 2002
- Workshop on RF MEMS, Novel Circuits for High-Frequency Applications, MEMSWAVE, Heraklion, Crete, June 26-28, 2002
- Workshop on Nanodevice and Related Technologies, Keynote Speaker, Novel Circuits for high-Frequency Applications, Taipei, Taiwan, May 2002
- Workshop on Packaging, Speaker, IEEE MTT-S, Phoenix, AZ, May 2001
- L.P.B. Katehi, Advanced Concepts in Packaging, Workshop on RF MEMS , IEEE AP-S, Salt-Lake City, Utah, July 2000
- L.P.B. Katehi, Micromachined Passive Components for RF Front Ends, Workshop on Microwave and Photonic Applications of MEMS , IEEE MTT-S, Boston, MA, June 2000

- J. Whitaker and L.P.B. Katehi, Electro-Optic Near-Field Probing for High-Resolution Diagnostic of Arrays, Workshop on Spatial and Quasi-Optical Power Combining Arrays , IEEE MTT-S, Boston, MA, June 2000
- Workshop on Electromagnetic Crystal Structures (WECS): Design, Synthesis and Applications, Laguna Beach, California, 6-8 January 1999
- Workshop on High-Frequency Silicon Micromachining and Multi-Chip Integration, IEEE MTT-S, Baltimore, June 1998
- Strategic Planning Workshop, Army Research Office, Charleston, South Carolina, January 1998
- Workshop on Si-Based High-Frequency Circuits, Radio Frequency Integrated Circuits, June 1997, Denver, CO
- NATO Workshop on Numerical Modeling, August 1997, Samos, Greece
- Workshop on Si-Based High-Frequency Circuits, RFIC, June 1997, Denver, CO
- Workshop on Wideband Antennas Organized by the Office of Naval Research, Orlando, Florida, April 1997
- Workshop on Quasi-Optics Organized by Army Research Office and DARPA, University of Santa Barbara, CA, March 1997
- Workshop on CAE, Modeling and Measurement Verification, Organized by IEEE MTT/ED/ AP and the 1994 Microwaves Conference, Wembley, London, October 1994, Keynote Speaker
- Workshop on Discrete Time Domain Modeling of Electromagnetic Fields and Networks, Organized by the German IEEE CAS Chapter and the European Research Office of the U.S. Army, Berlin, Germany, October 1993
- Workshop on Waves and Devices in the Military to Commercial Transition and Beyond, Organized by the IEEE Waves and Devices Society, October 1992
- Workshop on Numerical Techniques for Planar Circuits, Organized by the German IEEE MTT-S Chapter, Stuttgart, Germany, September 1991, Invited Speaker
- Workshop on High-Frequency Interconnects, Organized by the IEEE Microwave Theory and Techniques Society, Long Beach, California, June 1989

KEYNOTE AND PLENARY PRESENTATIONS (since 2009)

- Davos 2010
- Davos 2008
- BSAC 2010

PANEL PRESENTATIONS (since 2009)

- ACE 2010
- STEM SUMMIT

GOVERNMENT FORUMS (since 2009)

PUBLICATIONS

Chapters In Books (CB-)

- CB-1. Linda P.B. Katehi, et.al., “***Si Micromachining in High-Frequency Applications,***” The Industrial Electronics Handbook, CRC Press, June 1997, pp. 1547-1575
- CB-2. R.M. Henderson and L.P.B. Katehi, “***Silicon-Based, On-Wafer and Discrete Packaging,***” Invited Paper, *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, October 1997, pp. 113-120
- CB-3. J. Papapolymerou, R.F. Drayton and L.P.B. Katehi, “***Surface-Wave Mode Reduction for Rectangular Microstrip Antennas on High-Index Materials,***” *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, October 1997, pp. 153-160
- CB-4. G.E. Ponchak, S.A. Alterovitz, L.P.B. Katehi and P.B. Bhattacharya, ***The Development of Si and SiGe Technologies for Microwave and Millimeter-Wave Integrated Circuits,*** *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, October 1997, pp. 223-230
- CB-5. Linda P.B. Katehi, James Harvey and Emmanouil Tentzeris, ***Time Domain Analysis Using Multiresolution Expansions,*** Chapter in the book *Advances in Computational Electrodynamics*, edited by A. Taflove, pp. 111-162, Artech House, 1998
- CB-6. Linda P.B. Katehi and Rhonda F. Drayton, ***Micropackaging in the Development of High-Density Radio Frequency/Microwave Circuits for Aerospace Applications,*** in the book *Microengineering Aerospace Systems*, edited by Henry Helvajian and Donna Born, Fall 1999
- CB-7. Sergio Pacheco and Linda Katehi, ***Micromachined Circuits for high-Frequency Applications,*** *Low-Power Electronic Systems*, by Willey Interscience, Summer 2000
- CB-8. Dimitrios Peroulis, Alexandros Margomenos, and Linda P. B. Katehi, ***RF MEMS and Si Micromachining for High Frequency Applications,*** Series in Micro and Nano Engineering, The Academy of Science, in press Spring 2003
- CB-9. Linda P.B. Katehi and Dimitrios Peroulis, ***RF MEMS Components: Switches and Varactors,*** Chapter in Book *Multifunctional Adaptive Microwave Circuits and Systems*, Edited by Michael Steer and W. Deveraux Palmer, John Willey & Sons, Spring 2007
- CB-10. Dimitrios Peroulis and Linda P.B. Katehi, ***RF MEMS Applications,*** Chapter in Book *Multifunctional Adaptive Microwave Circuits and Systems*, Edited by Michael Steer and W. Deveraux Palmer, John Willey & Sons, Spring 2007

Articles in Refereed Journals, Transactions or Archives (JNL-)

- JNL-1. D. Markopoulos, L. P. B. Katehi, *Directive Microstrip Antennas*, 7th European Microwave Conference, IEE Workshop Proceedings, Copenhagen, Denmark, pp. 288-291, September 1977.
- JNL-2. N. K. Uzunoglou, L. P. B. Katehi, *Coupled Microstrip Disc Resonators*, IEEE Trans. On Microwave Theory and Techniques, Vol. 28, No. 2, pp. 94-97, February 1980.
- JNL-3. I. E. Rana, N. G. Alexopoulos, L. P. B. Katehi, *Theory of Microstrip Yagi-Uda Arrays*, Radio Science, Vol. 16, pp. 1007-1079, November-December 1981.
- JNL-4. L. P. B. Katehi, N. G. Alexopoulos, *On the Effect of Substrate Thickness and Permittivity on Printed Dipole Properties*, IEEE Trans. On Antennas and Propagation, Vol. 31, No. 1, pp. 34-38, January 1983.
- JNL-5. L. P. B. Katehi, N. G. Alexopoulos, *Real Axis Integration of Sommerfeld Integrals with Application to Printed Circuit Antennas*, Journal of Math. Physics, 24(3), pp. 527-533, March 1983.
- JNL-6. N. G. Alexopoulos, L. P. B. Katehi, D. B. Rutledge, *Substrate Optimization for Integrated Circuit Antennas*, IEEE Trans. On Microwave Theory and Techniques, Vol. 31, No. 7, pp. 550-557, July 1983.
- JNL-7. L. P. B. Katehi, N. G. Alexopoulos, *On the Modeling of Electromagnetically Coupled Microstrip Antennas –The Printed Strip Dipole*, IEEE Trans. On Antennas and Propagation, Vol. 2, pp. 1179-1186, November 1984.
- JNL-8. N. G. Alexopoulos, D. R. Jackson, L. P. B. Katehi, *Criteria for Nearly Omnidirectional Radiation Patterns for Printed Antennas*, IEEE Trans. On Antennas and Propagation, Vol. 33, pp. 195-205, February 1985.
- JNL-9. L. P. B. Katehi, N. G. Alexopoulos, *Frequency-Dependent Characteristics of Microstrip Discontinuities in Millimeter Wave Integrated Circuits*, IEEE Trans. On Microwave Theory and Techniques, Vol. 33, No. 10, pp. 1029-1035, October 1985.
- JNL-10. L. P. B. Katehi, N. G. Alexopoulos, I. Y. Hsia, *A Bandwidth Enhancement Method for Microstrip Antennas*, IEEE Trans. On Antennas and Propagation, Vol. AP-35, No. 1, pp. 5-12, January 1987.
- JNL-11. L. P. B. Katehi, *A Generalized Method for the Evaluation of Mutual Coupling in Microstrip Arrays*, IEEE Trans. On Antennas and Propagation, Vol. AP-35, No. 2, pp. 137-152, February 1987.
- JNL-12. L. P. B. Katehi, *Radiation Losses in MM-Wave Open Microstrip Filters*, Electromagnetics, Vol. 7, pp. 137-152, November 1987.
- JNL-13. L. P. Dunleavy, L. P. B. Katehi, *Eliminate Surprises when De-embedding Microstrip Launchers*, Microwaves and RF, Vol. 26, No. 8, August 1987.

- JNL-14. L. P. Dunleavy and L. P. B. Katehi, *A Generalized Method for Analyzing Shielded Thin Microstrip Discontinuities*, IEEE Trans. On Microwave Theory and Techniques, Vol. 36, No. 12, pp. 1758-1766, Dec. 1988.
- JNL-15. L. P. Dunleavy and L. P. B. Katehi, *Shielding Effects in Microstrip Discontinuities*, IEEE Trans. On Microwave Theory and Techniques, Vol. 36, No. 12, pp. 1767-1774, Dec. 1988.
- JNL-16. L. P. B. Katehi, *A Space Domain Integral Equation Approach in the Analysis of Dielectric Covered Slots*, Radio Science, vol 24, No. 2, pp 253-260, March-April 1989.
- JNL-17. L. P. B. Katehi, *Mutual Coupling Between Microstrip Dipoles in Multi-Element Arrays*, IEEE Trans. On Antennas and Propagation, vol. 37, pp. 275-280, March 1989.
- JNL-18. T. G. Livernois and L. P. B. Katehi, *A Generalized Method for Deriving the Space-Domain Green's Function in a Shielding, Multilayer Substrate Structure with Application to MIS Slow-Wave Transmission Lines*, IEEE Trans. On Microwave Theory and Techniques, Vol. 37, No. 11, pp. 1761-1767, November 1989.
- JNL-19. W. P. Harokopus and L. P. B. Katehi, *Characterization of Microstrip Discontinuities on Multilayer Dielectric Substrates Including Radiation Losses*, IEEE Trans. On Microwave Theory and Techniques, Vol. 37, No. 11, pp. 2058-2066, December 1989.
- JNL-20. T. E. van Denventer, L. P. B. Katehi and A. Cangellaris, *An Integral Equation Method for the Evaluation of Conductor and Dielectric Losses in High Frequency Interconnects*, IEEE Trans. On Microwave Theory and Techniques, Vol. 37, No. 11, pp. 1964-1972, December 1989.
- JNL-21. L. P. B. Katehi, *Dielectric-Covered Waveguide Longitudinal Slots with Finite Wall Thickness*, IEEE Trans. On Antennas and Propagation, Vol. 38, No. 7, pp. 1039-1045, July 1990.
- JNL-22. J. L. Volakis and L. P. B. Katehi, *Research in Computational Electromagnetics at the University of Michigan*, IEEE AP- Newsletter Magazine, pp. 16-30, June 1990.
- JNL-23. T. G. Livernois and L. P. B. Katehi, *Characteristic Impedance and Electromagnetic Field Distribution in Metal-Insulator-Semiconductor Microstrip*, IEEE Transactions on Microwave Theory and Techniques, Vol. 38, No. 11, pp. 1740-1743, Nov. 1990.
- JNL-24. L. P. B. Katehi, *High Frequency Numerical Modeling of Passive Monolithic Circuits and Antenna Feed Networks*, invited paper, Directions in Electromagnetic Wave Modeling, Editor: H. L. Bertoni, L. B. Felsen, Plenum Press, pp. 307-318, March 1991.

- JNL-25. T. G. Livernois and L. P. B. Katehi, ***A Simple Method for Characterizing Planar Transmission Line Discontinuities on Dissipative Substrates***, IEEE Transactions on Microwave Theory and Techniques, Vol. 39, No. 2, pp. 368-370, Feb. 1991.
- JNL-26. N. I. Dib and L. P. B. Katehi, ***Modeling of Shielded CPW Discontinuities Using the Space Domain Integral Equation Method***, Journal of Electromagnetic Waves and Applications (JEWA), special issue on electromagnetic waves and semiconductors, Vol. 5, No. 4, pp. 503-523, April 1991.
- JNL-27. W. P. Harokopus and L. P. B. Katehi, ***Electromagnetic Coupling and Radiation Loss Considerations in Microstrip MMIC Design***, IEEE Transactions on Microwave Theory and Techniques, Vol. 39, No. 3, March 1991, pp. 413-421.
- JNL-28. W. P. Harokopus and L. P. B. Katehi, W. Y. Ali-Ahmad, G. M. Rebeiz, ***Surface Wave Radiation from Open Microstrip Discontinuities***, IEEE Trans. On Microwave Theory and Techniques, Vol. 39, No. 7, pp. 1098-1107, July 1991.
- JNL-29. W. P. Harokopus and L. P. B. Katehi, ***Radiation Losses in Microstrip Antenna Feed Networks Printed on Multi-Layer Substrates***, International Journal of Numerical Modeling, Electronic Networks, Devices and Fields, Vol. 4, pp. 3-18, April 1991.
- JNL-30. N. I. Dib, L. P. B. Katehi, G. E. Ponchak and R. N. Simons, ***Theoretical and Experimental Characterization of Coplanar Waveguide Discontinuities for Filter Applications***, IEEE Trans. On Microwave Theory and Techniques, Vol. 39, No. 5, pp. 873-880, May 1991.
- JNL-31. T. E. Van Deventer, L. P. B. Katehi, J. Y. Josefowicz and D. B. Rensch, ***High Frequency Characterization of High Tc Superconducting Thin Film Lines***, Electromagnetics, Vol. 11, pp. 255-268, November 1991.
- JNL-32. G. V. Eleftheriades, W. Y. Ali-Ahmad, L. P. B. Katehi and G. M. Rebeiz, ***Millimeter-Wave Integrated-Horn Antennas, Part I: Theory***, IEEE Trans. On Antennas and Propagation, Vol. 39, No. 11, pp. 1575-1581, November 1991.
- JNL-33. W. Y. Ali-Ahmad, G. V. Eleftheriades, L. P. B. Katehi and G. M. Rebeiz, ***Millimeter-Wave Integrated-Horn Antennas, Part II: Experiment***, IEEE Trans. On Antennas and Propagation, Vol. 39, No. 11, pp. 1582-1586, November 1991.
- JNL-34. A. G. Engel, Jr. and L. P. B. Katehi, ***Low-Loss Monolithic Transmission Lines for Sub-Mm and Terahertz Frequency Applications***, IEEE Trans. On Microwave Theory and Techniques, Vol. 39, No. 11, pp. 1847-1854, November 1991.
- JNL-35. N. L. VandenBerg and L. P. B. Katehi, ***Broadband Vertical Interconnects Using Slot-Coupled Shielded Microstrip Lines***, IEEE Trans. On Microwave Theory and Techniques, Vol. 40, No. 1, pp. 81-88, January 1992.

- JNL-36. G. M. Rebeiz, L. P. B. Katehi, W. Y. Ali-Ahmad, G. V. Eleftheriades and C. C. Ling, *Integrated Horn Antennas for Millimeter-Wave Applications*, IEEE Antennas and Propagation Magazine, Vol. 34, No. 1, pp. 7-16, February 1992.
- JNL-37. N. L. Vandenberg, L. P. B. Katehi, J. Lick and G. Mooney, *Characterization of Strip-Fed Cavity-Backed Slots*, IEEE Trans. On Antennas and Propagation, Vol. 40, No. 4, pp. 405-413, April 1992.
- JNL-38. N. I. Dib, W. P. Harokopus, Jr., G. E. Ponchak and L. P. B. Katehi, *A Comparative Study Between Shielded and Open Coplanar Waveguide Discontinuities*, International Journal of Microwave and Millimeter-Wave Computer-Aided Engineering, Vol. 2, No. 4, pp. 331-341, April 1992.
- JNL-39. G. M. Rebeiz, L. P. B. Katehi, W. Y. Ali-Ahmad, G. V. Eleftheriades and C. C. Ling, *Integrated Horn Antennas*, Radio Scientist, Vol. 3, No. 3, September 1992, pp. 68-77.
- JNL-40. N. I. Dib and L. P. B. Katehi, *Impedance Calculation for the Microshield Line*, IEEE Microwave and Guided Wave Letters, Vol. 2, No. 10, pp. 406-409, October 1992.
- JNL-41. L. P. B. Katehi, *Novel Transmission Lines for the Submillimeter-Wave Region*, IEEE Proceedings, Vol. 80, No. 11, pp. 1771-1787, November 1992.
- JNL-42. N. I. Dib, L. P. B. Katehi and G. E. Ponchak, *A Theoretical and Experimental Study of Coplanar Waveguide Shunt Stubs*, IEEE Trans. On Microwave Theory and Techniques, Vol. 41, No. 1, pp. 38-44, January 1993.
- JNL-43. A. G. Engel and L. P. B. Katehi, *Frequency- and Time-Domain Characterization of Microstrip Structures on and near Dielectric Ridges* IEEE Transactions on Microwave Theory and Techniques, Vol. 41, No. 8, pp. 1251-1262, August 1993.
- JNL-44. T. E. van Deventer and L. P. B. Katehi, *A Novel Method for the Characterization of Sub-mil25 Simulated Dielectric Waveguides*, IEEE Trans. On Magnetics, pp. 1584-1588, March 1993.
- JNL-45. N. I. Dib, M. Gupta, G. E. Ponchak and L. P. B. Katehi, *Characterization of Asymmetric Coplanar Waveguide Discontinuities*, IEEE Transactions on Microwave Theory and Techniques, Vol. 41, No. 9, pp. 1549-1558, September 1993.
- JNL-46. N. L. Vandenberg and L. P. B. Katehi, *Generalized Full-Wave Treatment of Shielded Structures Using the Vector Wave Function Expansion Method*, Electromagnetics, Vol. 13, pp. 67-84 June 1993.
- JNL-47. N. I. Dib, R. Drayton and L. P. B. Katehi, *A Theoretical and Experimental Study of Microshield Lines and Circuits*, Millimeter Wave and Optical Letters, Vol. 6, No. 6, pp. 333-339, May 1993.
- JNL-48. N. I. Dib and L. P. B. Katehi, *Analysis of a Transition from a Rectangular Waveguide to a Shielded Dielectric Image Guide Using a Finite Difference*

- Time Domain Method***, IEEE Guided Wave Letters, Vol. 3, No. 9, pp. 327-330, September 1993.
- JNL-49. Linda P. B. Katehi, Gabriel M. Rebeiz et al., ***Micromachined Circuits for Millimeter and Submillimeter-Wave Applications***, IEEE Antennas and Propagation Magazine, Vol. 35, No. 5, pp. 9-17, October 1993.
- JNL-50. T. E. van Deventer, A. C. Cangellaris and L. P. B. Katehi, ***Effects of Conductor Losses on Cross-Talk in Multilevel Coupled VLSI Interconnections***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 1, pp. 78-84, January 1994.
- JNL-51. B. K. Kormanyos, W. P. Harokopus, L. P. B. Katehi and G. M. Rebeiz, ***CPW-Fed Active Slot-Antennas***, IEEE Trans. On Microwave Theory and Techniques, Vol. 42, No. 4, pp. 541-545, April 1994.
- JNL-52. A. G. Engel, N. I. Dib and L. P. B. Katehi, ***Characterization of a Shielded Transition to a Dielectric Waveguide***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 5, pp. 847-854, May 1994.
- JNL-53. K. Sabetfakhri and L. P. B. Katehi, ***An Integral Transform Technique for the Analysis of Planar Dielectric Structures***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 6, pp. 1052-1062, June 1994.
- JNL-54. J.-G. Yook, N. I. Dib, L. P. B. Katehi, ***Characterization of High Frequency Interconnects Using Finite Difference Time Domain and Finite Element Methods***, IEEE Transactions on Microwave Theory and Techniques, special issue on Packaging and Interconnects, Vol. 42, No. 9, pp. 1727-1736, September 1994.
- JNL-55. G. Eleftheriades, A. Omar, L. P. B. Katehi and G. M. Rebeiz, ***Some Important Properties of Waveguide Junction Generalized Scattering Matrices in the Context of the Mode Matching Technique***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 10, pp. 1896-1903, October 1994.
- JNL-56. K. Sabetfakhri and L. P. B. Katehi, ***Analysis of Integrated Millimeter-Wave and Submillimeter-Wave Waveguides Using Orthonormal Wavelet Expansions***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 12, pp. 2412-2422, December 1994.
- JNL-57. H.-J. Cheng, J. F. Whitaker, T. M. Weller and L. P. B. Katehi, ***Terahertz-Bandwidth Characteristics of Coplanar Transmission Lines on Low Permittivity Substrates***, IEEE Transactions on Microwave Theory and Techniques, Vol. 42, No. 12, pp. 2399-2406, December 1994.
- JNL-58. T. M. Weller, L. P. B. Katehi and G. M. Rebeiz, ***High-Performance Microshield Line Components***, IEEE Transactions on Microwave Theory and Techniques, Vol. 5, No. 3, pp. 534-544, March 1995.

- JNL-59. S. V. Robertson, L. P. B. Katehi, and G. M. Rebeiz, *A Planar Quasi-Optical Mixer Using a Folded Slot-Antenna*, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 4, pp. 896-899, April 1995.
- JNL-60. S. E. Rosenbaum, B. K. Kormanyos, L. M. Jelloian, M. Matloubian, A. S. Brown, L. E. Larson, L. D. Ngyen, M. A. Thomson, L. P. B. Katehi and G. M. Rebeiz, *155- and 213-GHz AlInAs/GaInAs/InP HEMT MMIC Oscillators*, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 4, pp. 927-933, April 1995.
- JNL-61. S. Mollenkopf, L. P. B. Katehi and G. M. Rebeiz, *A Low Cost 20-22 GHz MIC Active Receiver/Radiometer*, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 4, pp. 989-993, April 1995.
- JNL-62. R. F. Drayton, N. I. Dib and L. P. B. Katehi, *Design of Micromachined High-Frequency Circuit Components*, ISHM International Journal of Microcircuits and Electronic Packaging, Vol. 18, No. 1, First Quarter 1995, pp. 19-29.
- JNL-63. T. M. Weller, W. R. McGrath and L. P. B. Katehi, *Analysis and Design of a Novel Noncontacting Waveguide Backshort*, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 5, pp. 1023-1031, May 1995.
- JNL-64. W. R. McGrath, T. M. Weller, and L. P. B. Katehi, *Experimental Characterization of a Novel Noncontacting Waveguide Backshort* Int. J. IR and Millimeter Waves, Vol. 16, no. 1, pp. 237-256 (1995).
- JNL-65. T. M. Weller, L. P. B. Katehi and G. M. Rebeiz, *A 250 GHz Microshield Bandpass Filter*, IEEE Microwave and Guided Wave Letters, Vol. 5, No. 5, pp. 153-156, May 1995.
- JNL-66. J.F. Whitaker, H. Cheng, T.M. Weller and L.P.B. Katehi, *Guided-Wave Propagation of Terahertz-Bandwidth Electrical Pulses*, Ultra-Wideband, Short-Pulse Electromagnetics 2, Plenum Pres, New York, June 1995.
- JNL-67. A. G. Engel and L. P. B. Katehi, *The Effect of Finite Dielectric Layers in Multilevel Microstrip Interconnects*, International Journal of Computer Aided Design of Microwave and Millimeter Wave Circuits, Vol. 5, No. 4, pp. 256-263; July 1995.
- JNL-68. M. Krumpholz and L. P. B. Katehi, *New Prospectives for FDTD*, Microwave and Guided Wave Letters, Vol. 5, No. 11, pp. 382-384, November 1995.
- JNL-69. R. F. Drayton and L. P. B. Katehi, *Development of Self-Packaged High-Frequency Circuits Using Micromachining*, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 9, pp. 2073-2080, September. 1995.
- JNL-70. R. N. Simons, N. I. Dib, R. Q. Lee and L. P. B. Katehi, *Integrated Uniplanar Transition for Linearly Tapered Slot Antenna*, IEEE Transactions on Antennas and Propagation, Vol. 43, No. 9, pp. 998-1002, September 1995.

- JNL-71. R.N. Simons, N.I. Dib and L.P.B. Katehi, ***Coplanar Stripline to Microstrip Transition***, Electronics Letters, Vol. 31, No. 20, pp. 1725-1726., September 1995.
- JNL-72. N.I. Dib, M. Krumpholz, E. Tentzeris, L.P.B. Katehi, J. Fang and D. Xue, ***Numerical Errors in the Computation of Impedances by FDTD method and Ways to Eliminate them***, Microwave and Guided Wave Letters, Vol. 5, No. 10, pp. 354-355, October 1995.
- JNL-73. R. F. Drayton, T. M. Weller and L. P. B. Katehi, ***Development of Miniaturized Circuits for High-Frequency Applications using Micromachining Techniques***, invited paper, International Journal of Microcircuits and Electronic Packaging, Vol. 18, NO. 3, pp. 217-224, Third Quarter, 1995, *invited paper*.
- JNL-74. N. I. Dib, R. Simons and L. P. B. Katehi, ***A Broadband Uniplanar Microstrip to Slot-Line Transitions***, IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 12, pp. 2868-2873, December 1995.
- JNL-75. T. M. Weller, L. P. B. Katehi and G. M. Rebeiz, ***Single and Double Folded-Slot Antennas on Semi-Infinite Substrates***, IEEE Transactions on Antennas and Propagation, Vol. 43, No. 12, pp. 1423-1428, December 1995.
- JNL-76. J.-C. Cheng, N. I. Dib and L. P. B. Katehi, ***Theoretical Modeling of Cavity Backed Patch Antennas Using a Hybrid Technique***, IEEE Transactions on Antennas and Propagation, Vol. 43, No. 9, pp. 1003-1013, September 1995.
- JNL-77. J.-M. Laheurte, L. P. B. Katehi and G. M. Rebeiz, ***CPW-Fed Slot Antennas on Multilayer Dielectric Substrates***, IEEE Transactions on Antennas and Propagation, Vol. 44, No. 8, pp. 1102-1111, July 1996.
- JNL-78. N. I. Dib and L. P. B. Katehi, ***Characterization of Three-Dimensional Open Dielectric Structures Using the Finite Difference Time Domain Method***, IEEE Transactions on Microwave Theory and Techniques, Vol. 44, No.4, pp. 513-518, April 1996.
- JNL-79. E. T. van Deventer and L. P. B. Katehi, ***Application of Generalized Boundary Conditions to Submillimeter and Optical Waveguides***, Vol. 31, No. 6, pp. 1407-1416, Nov.-Dec. 1996.
- JNL-80. M. Krumpholz and L. P. B. Katehi, ***MRTD: New Time Domain Schemes Based on Multiresolution Analysis***, IEEE Transactions on Microwave Theory and Techniques, Vol. 44, No. 4, pp. 555-571, April 1996.
- JNL-81. S.V. Robertson, L.P.B. Katehi, and G.M. Rebeiz, ***Micromachined W-Band Filter***, IEEE Transactions on Microwave Theory and Techniques, Vol. 44, No. 4, pp. 598-606, April 1996.
- JNL-82. K.F. Sabet and L.P.B. Katehi, ***A Study of Dielectric Resonators Based on Two-Dimensional Fast Wavelet Algorithm***, Vol. 6, No. 1, pp. 19-23, January 1996.

- JNL-83. R.N. Simons, N.I. Dib and L.P.B. Katehi, ***Modeling of Coplanar Stripline Discontinuities***, IEEE Trans. On Microwave Theory and Techniques, Vol. 44, No. 5, pp. 711-716, May 1996.
- JNL-84. T. M. Weller, L. P. B. Katehi, M. I. Herman, P. D. Wamhof and K. Lee, ***New Results Using Membrane-Supported Circuits: A Ka-Band Power Amplifier ad Survivability Testing***, IEEE Trans. On Microwave Theory and Techniques, Vol. 44, No. 9, Sept. 1996.
- JNL-85. J.-G.Yook, N. I. Dib, E. Yasan and L. P. B. Katehi, ***Modeling of Hermetic Transitions for Microwave Packages***, International Journal of Microwave and Millimeter-Wave Computer-Aided Design, Vol. 6, No. 5, pp. 351-368, August 1996.
- JNL-86. G.E. Ponchak, N. I. Dib and L. P. B. Katehi, ***Design and Analysis of Transitions from Rectangular Waveguide to Layered Ridge Dielectric Waveguide***, IEEE Transactions on Microwave Theory and Techniques, Vol. 44, No. 7, pp. 1032-1040, July 1996.
- JNL-87. J-G. Yook and L.P.B. Katehi, ***Design and Applications of Artificial Absorbers to Integrated Circuit and Waveguide Problems***, 6th International Journal of Theoretical Electromagnetics, Vol. 6, No. 1, pp. 199206, Sept. 1996.
- JNL-88. J-G Yook, L.P.B. Katehi, R.N. Simons and K.A. Shalkhauser, ***Experimental and Theoretical Study of Parasitic Leakage/Resonance in a K/Ka-Band MMIC Package***, IEEE Trans. On Microwave Theory and Techniques, Special Symposium Issue, Vol. 44, No. 12, pp. 2403-2410, December 1996.
- JNL-89. L.P.B. Katehi, ***Si Micromachining for High-Frequency Applications***, Invited Paper, IEEE Informer, Special Issue on Wireless and Microwaves, No. 4, pp. 6-14, December 1996.
- JNL-90. A. Biswas, T.M. Weller and L.P.B. Katehi, ***Stress Determination of Micromembranes Using Laser Vibrometry***, Review of Scientific Instruments Vol. 67, No. 5, May 1996, 1965-1969.
- JNL-91. F. Brauchler, S. Robertson, J. East and L.P.B. Katehi, ***W-Band Finite Ground Coplanar (FGC) Line Circuit Elements***, Microwave Symposium Digest, 1996., IEEE Trans. On Microwave Theory and Techniques International, Volume: 3, 1996.
- JNL-92. R.F. Drayton, R.M. Henderson and L.P.B. Katehi, ***High-Frequency Circuit Components on Micromachined Variable Thickness Substrates***, Electronics Letters, Vol. 33, No. 4, pp. 303-305, February 1997.
- JNL-93. M. Krumpholz, H. G. Winful and L.P.B. Katehi, ***Nonlinear Time Domain Modeling by MRTD***, IEEE Transactions on Microwave Theory and Techniques, Vol. 45, No. 3, pp. 385-393, March 1997.
- JNL-94. G.M. Rebeiz, Linda P.B. Katehi, T.M. Weller, C-Y. Chi and S. V. Robertson, ***Micromachined Filters for Microwave and Millimeter-Wave Applications***, Int.

- Journal of Microwave and Millimeter-Wave Computer Aided Engineering, Vol. 7, No. 2, pp. 149-166, March 1997.
- JNL-95. J-G Yook, V. Chandramouli, L.P.B. Katehi and K.A. Sakallah, Tawfic Arabi and Tim Schreyer, *Computation of Switching Noise in Printed Circuit Boards*, IEEE Transactions on Components, Hybrids, and Manufacturing Technology (CHMT), Vol. 20, No. 1, March 1997.
- JNL-96. T.M. Weller, K.J. Herrick and L.P.B. Katehi, *Bandstop Series Stubs for Coplanar Waveguide on GaAs*, Electronics Letters, April 1997, Vol. 33, No. 8, pp. 684-685.
- JNL-97. T.M. Weller, K.J. Herrick and L.P.B. Katehi, *Quasi-Static Design Technique for Mm-Wave Micromachined Filters with Lumped Elements and Series Stubs*, IEEE Transactions on Microwave Theory and Techniques, Vol. 45, No. 6, June 1997, pp. 931-938.
- JNL-98. George E. Ponchak and Linda P.B. Katehi, *Open- and Short-Circuit Terminated Series Stubs in Finite-Width Coplanar Waveguide on Silicon*, IEEE Transactions on Microwave Theory and Techniques, Vol. 45, No. 6, June 1997, pp. 970-976.
- JNL-99. J. Papapolymerou, Jui-Ching Cheng, J. East and L.P.B. Katehi, A *Micromachined High-Q, X-Band Resonator*, Microwave and Guided Wave Letters, Vol. 7, No. 6, pp. 168-170, June 1977.
- JNL-100. G. Ponchak, E. Tentzeris, and L.P.B. Katehi, *Characterization of Finite Ground Coplanar Waveguide With Narrow Planes*, International Journal of Microcircuits and Electronic Packaging, Vol.20, No. 2, pp. 167-173, June 1997.
- JNL-101. Kavita Goverdhanam, Rainee Simons and Linda P.B. Katehi, *Coplanar Stripline Propagation Characteristics and Bandpass Filters*, IEEE Microwave and Guided Wave Letters, Vol. 7, No. 8, August 1997, pp. 214-216.
- JNL-102. Kao-Chih Syao, Kyoungsoon Yang, Xiangkun Zhang, Liang-Hung Lu, Linda P.B. Katehi and Pallab Bhattacharya, *Investigation of Adjacent Channel Crosstalk in Multichannel Monolithic Integrated 1.55micron Photoreceiver Arrays*, Journal of Lightweight Technology, Vol. 15, No. 10, October 1997.
- JNL-103. Kavita Goverdhanam, Rainee Simons and Linda P.B. Katehi, *Coplanar Stripline Components for High-Frequency Applications*, IEEE Trans. On Microwave Theory and Techniques, October 1997, Vol. 45, No. 10, pp. 1725-1729.
- JNL-104. G.E. Ponchak and L.P.B. Katehi, *Design of Layered Ridge Dielectric Waveguide for Millimeter and Sub-Millimeter Wave Circuits*, International Journal of Infrared and Millimeter Waves, Vol. 18, No. 2, 1997, pp. 369-382.
- JNL-105. Linda P.B. Katehi, et.al., *Si Micromachining in High-Frequency Applications*, The Industrial Electronics Handbook, CRC Press, 1997, pp. 1547-1575.

- JNL-106. R.M. Henderson and L.P.B. Katehi, ***Silicon-Based, On-Wafer and Discrete Packaging***, Invited Paper, *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, 1997, pp. 113-120.
- JNL-107. J. Papapolymerou, R.F. Drayton and L.P.B. Katehi, ***Surface-Wave Mode Reduction for Rectangular Microstrip Antennas on High-Index Materials***, *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, 1997, pp. 153-160.
- JNL-108. G.E. Ponchak, S.A. Alterovitz, L.P.B. Katehi and P.B. Bhattacharya, ***The Development of Si and SiGe Technologies for Microwave and Millimeter-Wave Integrated Circuits***, *Directions for the Next Generation of MMIC Devices and Systems*, Plenum Publishing Corporation, New York, 1997, pp. 223-230.
- JNL-109. Jong-Gwan Yook, Linda P.B. Katehi, Karem Sakallah, Ray Martin, Lilly Huang and Tim Schreyer, ***Application of System-Level EM Modeling to High-Speed Digital IC Packages and PCB's***, IEEE Trans. On Microwave Theory and Techniques, Vol. 45, No. 10, October 1997.
- JNL-110. George Ponchak, Emmanouil Tentzeris and Linda P.B. Katehi, ***Characterization of the Coupling Between Adjacent Finite Ground Coplanar (FGC) Waveguides***, International Journal of Microcircuits and Electronic Packaging, Vol.20, N0.4, pp.587-592, Fourth Quarter 1997.
- JNL-111. John Papapolymerou, Rhonda Drayton and Linda P.B. Katehi, ***Micromachined Patch Antennas***, in press in the IEEE Trans. On Antennas and Propagation, Vol. 46, No. 2, February. 1998, pp. 275-283.
- JNL-112. Rob Robertson, Emmanouil Tentzeris, Michael Krumpholz and Linda P.B. Katehi, ***Modeling of Dielectric Cavity Structures Using Multiresolution-Time Domain Analysis***, in press in the International Journal of Numerical Modeling, Special Issue on Wavelets in Electromagnetics, Vol. 11, Jan.1998, pp. 55-68.
- JNL-113. Kazem Sabet and Linda P.B. Katehi, ***An Integral Formulation of Two- and Three-Dimensional Dielectric Structures Using Orthonormal Multiresolution Expansions***, International Journal of Numerical Modeling, Vol. 11, Jan. 1998, pp. 69-81.
- JNL-114. J.-S. Rieh, O. Qasaimeh, L.H. Lu, K. Yang, L. Katehi, P. Bhattacharya, ***Single- and Dual-Feedback Transimpedance Amplifiers Implemented by SiGe HBT Technology***, IEEE Microwave and Guided Wave Letters, Vol. 8, No. 2, February 1998, pp.63-65.
- JNL-115. J.-S. Rieh, D. Klotzkin, O. Qasaimeh, L.-H. Lu, K. Yang, L.P.B. Katehi and P. Bhattacharya and E.T. Croke, ***Monolithically Integrated SiGe/Si PIN-HBT Front-End Photoreceivers***, IEEE Photonics Technology Letters, Vol. 10, No. 3, March 1998, pp.415-417.
- JNL-116. Thomas P. Budka, Emmanouil M. Tentzeris, Scott D. Waclawik, Nihad I. Dib, Linda P.B. Katehi, Gabriel M. Rebeiz, ***Near Field Mapping Above a Coupled-***

- Line Filter and a MMIC*, Microwave Journal, Vol. 41, No.3 pp. 94-106, March 1998.
- JNL-117. J.-S. Rieh, L.-H. Lu, L.P.B. Katehi and P. Bhattacharya, Ed Croke, G.E. Ponchak and S.A. Alterovitz, *X- and Ku-Band Amplifiers Based on Si/SiGe HBTs and Micromachined Components*, IEEE Transactions on Microwave Theory and Techniques, Vol. 10, No. 5, pp. 685-694, May 1998.
- JNL-118. Rhonda F. Drayton, Rashaunda M. Henderson and Linda P.B. Katehi, *Monolithic Packaging Concepts for High Isolation in Circuits and Antennas*, in press in the IEEE Trans. On Microwave Theory and Techniques, Vol. 46, No. 7, pp. 900-907, July 1998.
- JNL-119. Clark Ngyuen, Linda P.B. Katehi, and Gabriel Rebeiz, *Micromachined Devices for Wireless Communications*, IEEE Proceedings, Vol. 86, No. 8, August 1998.
- JNL-120. George Ponchak and Linda P.B. Katehi, *Measured Attenuation of Coplanar Waveguide on CMOS Grade Silicon Substrates with a Polyamide Interface Layer*, Electronic Letters, Vol. 34, No. 13, pp. 1327-1329, June 1998.
- JNL-121. Katherine J. Herrick, Tom Schwarz and Linda P.B. Katehi, *Si-Micromachined Coplanar Waveguides for Use in High Frequency Circuits*, IEEE Transactions on Microwave Theory and Techniques, Special Issue on Millimeter-Wave Technologies, Vol. 46, No. 6, June 1998, pp. 762-768.
- JNL-122. E. Tentzeris, M. Krumpholz, N. I. Dib, J-G Yook, L.P.B. Katehi, *FDTD Characterization of Waveguide Probe Structures*, IEEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 10, pp. 1452-1460, October 1998.
- JNL-123. K. Yang, G. David, S. Robertson, J.F. Whitaker, and L.P.B. Katehi, *Electro-Optic Mapping of Near-Field Distributions in Integrated Microwave Circuits*, IEEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 12, December 1998, pp. 2338-2343.
- JNL-124. Katherine Herrick, Jong-Gwan Yook and Linda P.B. Katehi *Microtechnology in the Development of Three-Dimensional Dimensional Circuits*, Invited Paper, IEEE Transactions on Microwave Theory and Techniques, Special Issue on Advanced Integration Schemes, Vol. 46, No. 11, November 1998, pp. 1832-1844.
- JNL-125. Steve Robertson, Andrew Brown, Gabriel Rebeiz and Linda P.B. Katehi, *A 10-60 GHz Micromachined Directional Couplers*, IEEE Transactions on Microwave Theory and Techniques, Special Issue on Advanced Integration Schemes, Vol. 46, No. 11, November 1998.
- JNL-126. John Papapolymerou, Jack East and Linda P.B. Katehi, *GaAs vs. Quartz FGC Lines for MMIC Applications*, IEEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 11, pp. 1790-1793, November 1998.

- JNL-127. Emmanouil Tentzeris, James Harvey and Linda P.B. Katehi, *Time Adaptive Time-Domain Techniques for the Design of Microwave Circuits*, IEEE Microwave and Guided Wave Letters, Vol. 9, No. 3, pp. 96-98, March 1999.
- JNL-128. Emmanouil Tentzeris, Robert Robertson, James Harvey and Linda P.B. Katehi, *Stability and Dispersion Analysis of Battle-Lemarie Based MRTD Schemes*, IEEE Transactions on Microwave Theory and Techniques, July 1999, pp. 1004-1013.
- JNL-129. J. Papapolymerou, F. Brauchler, J. East and L.P.B. Katehi, *W-Band Finite Ground Coplanar Monolithic Multipliers*, IEEE Trans. On Microwave Theory and Techniques, Vol. 47, No. 5, May 1999, pp. 614-619.
- JNL-130. J.D. Shumpert, W.J. Chappell, S. Jalil and L.P.B. Katehi, *Parallel Plate Mode Reduction in Conductor-Backed Slots Using Electromagnetic Crystal Substrates*, Microwave Technology Letters, Special Issue on Photonic Band-Gap Substrates, November 1999, pp. 2099-2104.
- JNL-131. Linda P.B. Katehi, *3-D Micromachined Circuits for High-Frequency Applications, Micromachine Devices*, Special Issue of R&D Devices, Vol. 4, No. 4, April 1999, pp. 13-14.
- JNL-132. George E. Ponchak, Mehran Matloubian and Linda P.B. Katehi, *A Measurement-Based Design Equation for the Attenuation of MMIC Compatible Coplanar Waveguides*, IEEE Transactions on Microwave Theory and Techniques, Vol. 47, No. 2, February 1999, pp. 241-245.
- JNL-133. George Ponchak and Linda P.B. Katehi, *Finite Ground Coplanar (FGC) Waveguide: A Better Transmission Line for Microwave Circuits*, Invited Paper, Advancing Microelectronics, Magazine of the International Society of Hybrid Microelectronics and Packaging.
- JNL-134. R. M. Henderson and L.P.B. Katehi, *Silicon-Based Micromachined Packages for High-Frequency Applications*, IEEE Trans. On Microwave Theory and Techniques, Vol. 47, No. 8, August 1999, pp. 1600-1607.
- JNL-135. Kazem F. Sabet, Jui-Ching Chen and Linda P.B. Katehi, *Efficient Wavelet-Based Modeling of Printed Circuit Antennas and Arrays*, IEE Proceedings on Microwaves, Antennas and Propagation, Vol. 146, No. 4, August 1999, pp. 298-304.
- JNL-136. Emmanouil Tentzeris, Robert Robertson, James Harvey and Linda P.B. Katehi, *Application of the PML Absorber to MRTD Battle-Lemarie Schemes*, IEEE Transactions on Antenna and Propagation, Vol. 47, No. 11, November 1999, pp. 1709-1715.
- JNL-137. Gildas Gauthier, J.P. Raskin, L.P.B. Katehi and G.M. Rebeiz, *A 94 GHz Aperture-Coupled Micromachined Microstrip Antenna*, IEEE Transactions on Antennas and Propagation, Vol.47, December 1999.

- JNL-138. Jean-Pierre Raskin, Gildas Gauthier, Linda Katehi and Gabriel Rebeiz, ***Mode Conversion at GCPW-to-Microstrip Line Transitions***, IEEE Transactions on Microwave Theory and Techniques, Vol. 48, January 2000, pp. 158-161.
- JNL-139. Jean-Pierre Raskin, Gildas Gauthier, Linda Katehi and Gabriel Rebeiz, ***W-Band Single Layer Vertical Transitions***, IEEE Transactions on Microwave Theory and Techniques, Vol. 48, January 2000, pp. 161-164.
- JNL-140. George Ponchak, Donghoon Chun, Jong-Gwan Yook and Linda P.B. Katehi, ***The Use of Metal Filled Via Holes for Improving Isolation in LTCC RF and Wireless Multichip Packages***, IEEE Transactions on Advanced Packaging, Vol. 23, No. 1, February 2000.
- JNL-141. K. Yang, J.-G. Yook, I. Papapolymerou, L.P.B. Katehi and J.F. Whitaker, ***Electro-Optic Mapping and Finite Element Modeling of Near-Field Pattern of Microstrip Patch Antennas***, IEEE Transactions on Microwave Theory and Techniques, Vol. 48, February 2000, pp. 288-294.
- JNL-142. K. Yang, L.P.B. Katehi and J.F. Whitaker, ***Electro-optic Field Mapping System Utilizing External Gallium Arsenide Probes***, Applied Physics Letters, Vol. 77, Number 4, July 2000, pp. 486-488.
- JNL-143. J. Papapolymerou, J. East and L.P.B. Katehi, ***A High-Power W-Band Monolithic FGC Doubler***, *Microwave and Guided Wave Letters*, Vol. 10, No. 5, May 2000, pp. 195-198.
- JNL-144. C.D. Sarris, L.P.B. Katehi and J.F. Harvey, ***Application of Multiresolution Analysis to the Modeling of Microwave and Optical Structures***, Transactions of Optical and Quantum Electronics, Vol. 32, No. 6/8, August 2000, pp. 657-679.
- JNL-145. R. F. Drayton, R. M. Henderson and L.P.B. Katehi, ***Monolithic Packaging Concepts for High Isolation in Circuits and Antennas***, IBM Journal of Research and Development, Vol. 44, No. 5, September 2000, pp. 715-724.
- JNL-146. T.M. Weller, R.M. Henderson, K.J. Herrick, S.V. Robertson, R.T. Kihm and L.P.B. Katehi, ***Three Dimensional High Frequency Distribution Networks. Part I: Optimization of CPW Discontinuities***, IEEE Transactions on Microwave Theory and Techniques, Vol. 48, No. 10, October 2000.
- JNL-147. R.M. Henderson, K.J. Herrick, T.M. Weller, S.V. Robertson, R.T. Kihm and L.P.B. Katehi, ***Three Dimensional High Frequency Distribution Networks. Part II: Packaging and Integration***, IEEE Transactions on Microwave Theory and Techniques, Vol. 48, No. 10, October 2000.
- JNL-148. George E. Ponchak, Donghoon Chun, Jong-Gwan Yook, and Linda P.B. Katehi, ***Experimental Verification of the Use of Metal Filled Via Hole Fences for Crosstalk Control of Microstrip Lines in LTCC Packages***, IEEE Transactions on Advanced Packaging, pp.76-80, Feb. 2001.

- JNL-149. Costas D. Sarris and Linda P.B. Katehi, *On the Existence of Spurious Modes in Battle-Lemarie Based MRTD*, IEEE Microwave and Components Letters, Volume 11, Issue 2, February 2001, pages: 71-73.
- JNL-150. Costas D. Sarris and Linda P.B. Katehi, *Fundamental Gridding-Related Dispersion Effects in Multiresolution Domain Schemes*, IEEE Microwave and Components Letters, Volume 49, Issue 12, December 2001, pages: 2248-2257.
- JNL-151. George E. Ponchak, Alex Margomenos, Linda P.B. Katehi, *Low-loss CPW on low-resistivity Si substrates with a micromachined polyimide interface layer for RFIC interconnects*, IEEE Transactions on Microwave Theory and Techniques, Vol. 49, Issue 5, , pp. 866-870, May 2001.
- JNL-152. K. Yang, T. Marshall, M. Forman, J. Hubert, L. Mirth, Z. Popovic, L.P.B. Katehi, and J.F. Whitaker, *Active-Amplifier-Array Diagnostics Using High-Resolution Electro-Optic Field Mapping*, IEEE Trans. Microwave Theory Tech., vol. 49, pp. 849-857 (May 2001).
- JNL-153. Zhenqiang Ma, Saeed Mohammadi, Pallab K. Bhattacharya, Linda P.B. Katehi, Samuel A. Alterovitz and G.E. Ponchak, *High Power X-band (8.4 GHz) SiGe/Si Heterojunction Bipolar Transistor*, Electronic Letters, Vol 37, No.12, pp. 790 -791, June 2001.
- JNL-154. Zhenqiang Ma, S. Mohammadi, Liang-Hung Lu, P. Bhattacharya, L.P.B. Katehi, S.A. Alterovitz, G.E. Ponchak, *An X-band High-Power Amplifier Using SiGe/Si HBT and Lumped Passive Components*, Microwave and Wireless Components Letters, IEEE, Volume: 11 Issue: 7, July 2001. Page(s): 287 -289.
- JNL-155. Zhenqiang Ma, Saeed Mohammadi, Pallab K. Bhattacharya, Linda P.B. Katehi, George E. Ponchak, Samuel A. Alterovitz, Karl Strohm, Johann-Friedrich Luy, *Si/SiGe Power Heterojunction Bipolar Transistors for Ku-Band Applications*, Late News Paper in 59th Device Research Conference, Notre Dame, IN, June 2001.
- JNL-156. Zhenqiang Ma, S. Mohammadi, P. Bhattacharya, L.P.B. Katehi, S.A. Alterovitz, G.E. Ponchak, K.M. Strohm, J.-F. Luy, *Ku-Band (12.6 GHz) SiGe/Si High-Power Heterojunction Bipolar Transistors* Electronics Letters , Volume: 37 Issue: 18 , 30 Aug. 2001, Page(s): 1140 -1142.
- JNL-157. Werner Thiel and Linda P.B. Katehi, *Some Aspects of Stability and Numerical Dissipation of the Finite Difference Time Domain (FDTD) Technique Including Passive and Active Lumped Elements*, IEEE Transactions on Microwave Theory and Techniques, August 2001.
- JNL-158. James Paul Becker, Yongshik Lee, Jack R. East and Linda P. B. Katehi, *A Finite Ground Coplanar Line-to-Silicon Micromachined Waveguide Transition*, IEEE Transactions on Microwave Theory and Techniques, Vol. 49, Issue 10, p.p. 1671-1676 Part 1: October 2001.

- JNL-159. R.F. Drayton, S. Pacheco, J. Wang, J.-G. Yook and Linda P.B. Katehi, ***Micromachined Filters on Synthesized Substrates***, accepted for publication by IEEE Transactions on Microwave Theory and Techniques, Vol. 49, No. 2, pp. 308-314, February 2001.
- JNL-160. Ronald M. Reano, Kyoung Yang, Linda P.B. Katehi, John F. Whitaker, ***Simultaneous Measurements of Electric and Thermal Fields Utilizing an Electro-Optic Semiconductor Probe***, Microwave Theory and Techniques, IEEE Transactions on , Volume: 49 , Issue: 12 , Dec. 2001, pages:2523 – 2531.
- JNL-161. Chappell, M.P. Little, L.P.B. Katehi, ***High Isolation, Planar Filters Using EBG Substrates***, Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave and Guided Wave Letters] , Volume: 11 Issue: 6 , June 2001 Page(s): 246 -248.
- JNL-162. Emmanouil Tentzeris, Andreas Cangellaris, Linda P.B. Katehi and James Harvey, ***Multiresolution time-domain (MRTD) adaptive schemes using arbitrary resolutions of wavelets***, IEEE Transactions on Microwave Theory and Techniques. March 2002, Volume: 50 Issue: 2 , Feb. 2002, Page(s): 501 -516.
- JNL-163. Linda P.B. Katehi, James F. Harvey and Elliott Brown, ***MEMS and Si Micromachined Circuits for High Frequency Applications***, Special 50th Anniversary Issue of IEEE Microwave Theory and Techniques, March 2002, Volume: 50 Issue: 3 , March 2002, Page(s): 858 -866.
- JNL-164. Lee Harle and Linda P.B. Katehi, ***A Vertically Integrated Micromachined Filter***, Microwave Theory and Techniques, IEEE Transactions on Microwave Theory and Techniques, Volume: 50 Issue: 9 , Sept. 2002, Page(s): 2063 -2068.
- JNL-165. J.P. Becker, J.R. East, L.P.B. Katehi, ***Performance of Silicon Micromachined Waveguide at W-band***, Electronics Letters , Volume: 38 Issue: 13 , 20 June 2002, page(s): 638 -639.
- JNL-166. Linda P.B. Katehi and Steve Robertson, ***Si Micromachining in High Frequency Applications***, in press, Radio Science Review, Chapter 15, August 2002.
- JNL-167. W. Thiel, L.P.B. Katehi, ***Some Aspects of Stability and Numerical Dissipation of the Finite-Difference Time-Domain (FDTD) Technique Including Passive and Active Lumped Elements***, IEEE Transactions on Microwave Theory and Techniques, Volume: 50 Issue: 9 , Sept. 2002, Page(s): 2159 -2165.
- JNL-168. W. Batty, C.E. Christoffersen, A.B. Yakovlev, J.F. Whitaker, A. Mortazawi, A. Al-Zayed, M. Ozkar, S.C. Ortiz, R.M. Reano, K. Yang, L.P.B. Katehi, C.M. Snowden, M.B. Steer, ***Global Coupled EM-Electrical-Thermal Simulation and Experimental Validation for a Spatial Power Combining MMIC Array***, IEEE Transactions on Microwave Theory and Techniques, Volume: 50 Issue: 12, Dec. 2002, Page(s): 2820 -2833.

- JNL-169. Katherine J. Herrick and Linda P.B. Katehi, ***W-band Micromachined Circuit Combining Networks***, IEEE Transactions on Microwave Theory and Techniques, Volume: 50 Issue: 6 , June 2002, Page(s): 1647 -1651.
- JNL-170. Zhenqiang Ma, S. Mohammadi, P. Bhattacharya, L.P.B. Katehi, S.A. Alterovitz, G.E. Ponchak, ***A High-Power and High-Gain X-band Si/SiGe/Si Heterojunction Bipolar Transistor***, IEEE Transactions on Microwave Theory and Techniques, Volume: 50 Issue: 4, April 2002, Page(s): 1101 -1108.
- JNL-171. G.M. Rebeiz, L.P.B. Katehi, N.S. Barker, ***Guest editorial***, Microwave Theory and Techniques, IEEE Transactions on , Volume: 51 Issue: 1, Jan. 2003, Page(s): 257 -258.
- JNL-172. Alexandros Margomenos, Katherine J. Herrick, Martin I. Herman, Sam Valas, and Linda P.B. Katehi, ***Isolation in Three-Dimensional Integrated Circuits***, , IEEE Transactions on Microwave Theory and Techniques, Volume: 51 Issue: 1, Jan. 2003, Page(s): 25 -32.
- JNL-173. Dimitrios Peroulis, Sergio P. Pacheco, Kamal Sarabandi, and Linda P. B. Katehi, ***Electromechanical Considerations in Developing Low-Voltage RF MEMS Switches***, IEEE Transactions on Microwave Theory and Techniques, Volume: 51 Issue: 1, Jan. 2003, Page(s): 259 -270.
- JNL-174. William J. Chappell, Chris Reilly, John Halloran and Linda P.B. Katehi, ***Ceramic Synthetic Substrates Using Solid Free Form Fabrication***, IEEE Transactions on Microwave Theory and Techniques, Volume: 51 Issue: 3, March 2003. Page(s): 752 -760.
- JNL-175. Costas D. Sarris and Linda P.B. Katehi, ***An Efficient Numerical Interface Between FDTD and Haar MRTD: Formulation and Applications***, IEEE Transactions on Microwave Theory and Techniques, Volume: 51 Issue: 4, April 2003, Page(s): 1146 -1156.
- JNL-176. Xun Gong; Chappell, W.J.; Katehi, L.P.B.; ***Multifunctional Substrates for High-Frequency Applications***, Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave and Guided Wave Letters], Volume: 13, Issue: 10, Oct. 2003, Pages:428 – 430.
- JNL-177. Yumin Lu; Peroulis, D.; Mohammadi, S.; Katehi, L.P.B.; ***A MEMS Reconfigurable Matching Network for a class AB Amplifier*** Microwave and Wireless Components Letters, IEEE [see also IEEE Microwave and Guided Wave Letters], Volume: 13, Issue: 10, Oct. 2003, pages: 437 – 439.
- JNL-178. Dimitrios Peroulis, Sergio P. Pacheco and Linda P. B. Katehi, ***RF MEMS Switches with Enhanced Power Handling Capabilities***, IEEE Transactions of Microwave Theory and Techniques, Vol. 52, Issue 1, January 2004, pages: 59-68.
- JNL-179. Yongshik Lee, Jack R. East, and Linda P.B. Katehi, ***High Efficiency W-band GaAs Monolithic Frequency Multipliers***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, No. 2, Feb. 2004, pages: 529-535.

- JNL-180. Yongshik Lee, James P. Becker, Jack R. East, and Linda P.B. Katehi, ***Fully Micromachined Finite Ground Coplanar Line-to-Waveguide Transitions for W-Band Applications***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, No. 3, Mar. 2004, pages: 1001-1007.
- JNL-181. Wai, Y. Liu, J. Suryanarayanan, J. Nath, Saeed Mohammadi, Linda Katehi and Michael Steer, ***Toroidal Inductors for Radio Frequency Integrated Circuits***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, Issue 2, Feb 2004, pages: 646-654.
- JNL-182. Lee Harle and Linda P.B. Katehi, ***A Silicon Micromachined 4-Pole Linear Phase Filter***, IEEE Transaction on Microwave Theory and Techniques, Vol. 52, Issue 6, June 2004, pages: 1598-1607.
- JNL-183. Alexandros Margomenos and Linda P.B. Katehi, ***Fabrication and Accelerated Hermiticity Testing of an On-Wafer Package for RF MEMS***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, Issue 6, June 2004, pages 1626-1636.
- JNL-184. Dimitrios Peroulis and Linda P. B. Katehi, ***Spring-Loaded DC-Contact RF MEMS Switches***, submitted to Journal of RF CAE, special issue on MEMS, International Journal of RF and Microwave Computer-Aided Engineering, vol. 14, no. 4, pp.345-355, July 2004.
- JNL-185. R.M. Reano, J.F. Whitaker, and L.P.B. Katehi, ***Nonlinear thermo-optic model for the characterization of optical self-heating in electro-optic semiconductors***, IEEE J. Quantum Electronics, vol. 40, pp. 1195-1202 (Sept. 2004).
- JNL-186. Dimitrios Peroulis, Alexandros D. Margomenos, and Linda P. B. Katehi, ***RF MEMS and Silicon Micromachining for High Frequency Applications***, to appear in Micromachined Circuits for Microwave and Millimeter Wave Applications, Romanian Academy, Series on Micro- and Nano- Engineering.
- JNL-187. Xun Gong, Alexandros Margomenos, Bosui Liu, Shloke Hajela, Linda P.B. Katehi and William Chappell, ***Precision Fabrication Techniques and Analysis on High-Q Evanescent Mode Resonators and Filters of Different Geometries***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, Issue 11, Nov. 2004, pp: 2557-2566.
- JNL-188. **Dimitrios Peroulis**, Kamal Sarabandi, and Linda P. B. Katehi, ***Design of Reconfigurable Slot Antennas***, IEEE Transactions on Antennas and Propagation. Vol. 53, Issue 2, February 2005, pp: 645-654.
- JNL-189. Rosa R. Lahiji, Katherine J. Herrick, Saeed Mohammadi, and Linda P. B. Katehi, ***Low Loss Multi-wafer Vertical Interconnects for Three Dimensional Integrated Circuits***, in print IEEE Transactions on Microwave Theory and Techniques, Special Issue on the 2005 European Microwave Week.
- JNL-190. Y. Lu, L.P.B. Katehi, D. Peroulis ***High-Power MEMS Varactors and Impedance Tuners for Millimeter-Wave Applications***, IEEE Transactions on

Microwave Theory and Techniques, Special Issue on IMS-05 Conference, December 2005.

- JNL-191. K-Y Lee, S. Mohammadi, P. K. Bhattacharya and L.P.B. Katehi, ***Compact Models Based on Transmission-Line Concepts for Integrated Capacitors and Inductors***, IEEE Transactions on Microwave Theory and Techniques, Vol. 54, Issue 13, Dec. 2006, pp: 4141-4148.
- JNL-192. R.R. Lahiji, K.J. Herrick, K.J. Yongshik Lee, A. Margomenos, S. Mohammadi and L.P.B. Katehi, ***Multiwafer Vertical Interconnects for Three Dimensional Integrated Circuits***, IEEE Transactions on Microwave Theory and Techniques, Vol. 54, Issue 6, June 2006, pp: 2699-2706.
- JNL-193. K.Y Lee, S. Mohammadi, P.K. Bhattacharya and L.P.B. Katehi, ***A Wideband Compact Model for Integrated Inductors***, IEEE Microwave and Wireless Components Letters, Vol. 16, Issue 9, Sept. 2006, pp: 490-492.
- JNL-194. Barry Perlman, Linda Katehi, Arthur Ballato, Nader Engheta, Dimitris Peroulis, Saeed Mohammadi, ***Nanotechnology and Active Thin Films for Compact RF Components and Agile Systems***, Transactions on Ferroelectrics, Vol. 342, October 2006, pp: 163-182.
- JNL-195. T, Choi, H. Sharifi, H.H. Sigmarson, W.J. Chappell, S. Mohammadi and L.P.B. Katehi, ***3-D Integration of 10GHz, Filter and CMOS Receiver Front-End***, IEEE Transactions on Microwave Theory and Techniques, Vol. 52, Issue 11, Nov. 2007, pp: 2557-2566.
- JNL-196. L. P.B. Katehi, W. Chappell, S. Mohammadi, A. Margomenos and M. Steer, ***Heterogeneous Wafer-Scale Circuit Architecture***, IEEE Microwave Magazine, Volume 8, Issue 1, February 2007, pp: 52-69.
- JNL-197. Linda Katehi and Michael Ross, ***Technology and Culture: Exploring the Creative Instinct through Cultural Interpretations***, Journal of Engineering Education, April 2007, pp: 89-90.
- JNL-198. X. Wang, L.P.B. Katehi and D. Peroulis, ***Time Varying Matching Networks for Signal Centric Systems***, IEEE Transactions on Microwave Theory and Techniques, Vol. 55, Issue 12, Dec. 2007, pp: 2599-2613.
- JNL-199. Hasan Sharifi, Rosa R. Lahiji, Saeed Mohammadi, and Linda P. B. Katehi, ***Characterization of Parylene-N as Flexible Substrate and Passivation Layer for Microwave and Millimeter-Wave Integrated Circuits***, in press, Transactions of Advanced Packaging, Vol. 32, Issue 1, Feb 2009, pp: 84-92.
- JNL-200. Rosa R. Lahiji, Hasan Sharifi, Linda P. B. Katehi and Saeed Mohammadi, ***3-D CMOS Circuits Based on Low Loss Vertical Interconnects on Paralyne-N***, IEEE Transactions on Microwave Theory and Techniques, Vol. 58, Issue 1, Jan. 2010, pp: 48-56.
- JNL-201. R. R. Lahiji, L. P. B. Katehi, S. Mohammadi, ***A Wideband CMOS Distributed Amplifier with Slow-Wave Shielded Transmission Lines***, accepted, to be

published in International Journal of Microwave and Wireless Technology, 2010.

- JNL-202. Xin Wang, Linda P.B. Katehi, and Dimitrios Peroulis, ***Analysis and Measurement of a Time-Varying Matching Scheme for Pulse-Based Receivers with High-Q Sources***, accepted for publication in the IEEE Transactions on Microwave Theory and Techniques, Aug. 2010.
- JNL-203. Xiaoguang Liu, Linda P. B. Katehi, William J. Chappell, and Dimitrios Peroulis, ***High-Q Tunable Microwave Cavity Resonators and Filters using SOI-based RF MEMS Tuners***, IEEE/ASME Journal of Microelectromechanical Systems, Vol. 19, No. 4, pp. 774-784, Aug. 2010
- JNL-204. Xiaoguang Liu, Linda P. B. Katehi, and Dimitrios Peroulis, ***Novel Dual-Band Microwave Filter using Dual-Capacitively-Loaded Cavity Resonators***, in press in IEEE Microwave and Wireless Component Letters, Oct. 2010
- JNL-205. Xiaoguang Liu, Linda P.B. Katehi and Dimtrios Peroulis, Signal-to-Noise Ratio Performance of a Time-Varying Matching Network for Pulse-Based Systems, Vol. 59, No. 2, pp. 323-337, Feb 2011
- JNL-206. Xiaoguang Liu, Linda P. B. Katehi, William J. Chappell, and Dimitrios Peroulis, ***Power Handling of High-Q MEMS Tunable Evanescent-mode Resonators and Filters***, submitted to the IEEE Transactions on Microwave Theory and Techniques.

Refereed Conference Or Symposium Proceedings (CNF-)

- CNF-1. L. P. B. Katehi and N. G. Alexopoulos, ***On the Theory of Printed Circuit Antennas for Millimeter Waves***, Proceedings of the Sixth International Conference on Infrared and Millimeter Waves, Miami, Florida, December 1981.
- CNF-2. L. P. B. Katehi and N. G. Alexopoulos, ***On the Effect of the Substrate Thickness and Permittivity on Printed Circuit Dipole Properties***, Proceedings of the AP-S International Symposium, University of New Mexico, Albuquerque, May 1982.
- CNF-3. N. G. Alexopoulos, L. P. B. Katehi, and D. B. Rutledge, ***Substrate Optimization for Integrated Circuit Antennas***, Proceedings of IEEE MTT-S International Microwave and Millimeter Wave Monolithic Circuit Symposium, Dallas, Texas, June 1982.
- CNF-4. L. P. B. Katehi and N. G. Alexopoulos, ***A Generalized Solution to a Class of Printed Antennas***, Proceedings of International Symposium on Antennas and Propagation, Boston, MA, June 1984.

- CNF-5. L. P. B. Katehi and N. G. Alexopoulos, *Efficient Sommerfeld Integral Computation with Applications to Printed Circuit Antennas*, presented in URSI meeting in Boston, MA, June 1984.
- CNF-6. L. P. B. Katehi and N. G. Alexopoulos, *Microstrip Discontinuity Modeling for Millimetric Integrated Circuits*, Proceedings of the IEEE MTT-S International Microwave Symposium, St. Louis, Missouri, June 1985.
- CNF-7. L. P. B. Katehi and N. G. Alexopoulos, *A Bandwidth Enhancement Method for Microstrip Antennas*, Proceedings of the IEEE AP-S International Symposium, Vancouver, Canada, June 1985.
- CNF-8. L. P. B. Katehi and L. P. Dunleavy, *Microstrip Filter Design Including Dispersion Effects and Radiation Losses*, Proceedings of the IEEE MTT-S International Microwave Symposium, Baltimore, June 2-4, 1986.
- CNF-9. L. P. Dunleavy and L. P. B. Katehi, *Repeatability Issues for De-embedding Microstrip Discontinuity S-Parameter Measurements by the TSD Technique*, Proceedings of the ARFTG Conference, Baltimore, MD, June 1986.
- CNF-10. L. P. B. Katehi, *A Generalized Method for the Evaluation of Mutual Coupling in Microstrip Arrays*, Proceedings of the IEEE AP-S International Symposium, Philadelphia, PA, June 1986.
- CNF-11. L. P. B. Katehi and L. P. Dunleavy, *Computer Modeling of Open and Shielded Microstrip Discontinuities in Millimeter Waves*, Proceedings of the SPIE Technical Symposium on Optics, Electro-Optics and Sensors, Orlando, Florida, May 1987.
- CNF-12. L. P. B. Katehi, *Dielectric-Covered Waveguide Longitudinal Slots*, Proceedings of the IEEE AP-S Symposium in Syracuse, New York, June 1988.
- CNF-13. L. P. Dunleavy and L. P. B. Katehi, *A New Method for Discontinuity Analysis in Shielded Microstrip*, Proceedings of the IEEE MTT-S International Symposium in New York, New York, in May 1988.
- CNF-14. L. P. Dunleavy and L. P. B. Katehi, *A New Method For Discontinuity Analysis in Shielded Microstrip: Theoretical and Computational Considerations*, presented in URSI meeting in Syracuse, New York in June 1988.
- CNF-15. W. P. Harokopus and L. P. B. Katehi, *An Accurate Characterization of Open Microstrip Discontinuities Including Radiation Losses*, Proceedings of the International IEEE MTT-S Symposium in Long Beach, CA, June 1989.
- CNF-16. W. P. Harokopus and L. P. B. Katehi, *Radiation Properties of Open Microstrip Discontinuities*, Proceedings of the International IEEE AP-S Symposium in San Jose, CA, June 1989.
- CNF-17. T. G. Livernois and L. P. B. Katehi, *Analysis and Design of Slow-Wave Structures Using an Integral Equation Approach*, Proceedings of the International IEEE MTT-S Symposium in Long Beach, CA, 1989.

- CNF-18. T. E. van Denventer, L. P. B. Katehi and A. C. Cangellaris, ***High Frequency Conductor and Dielectric Losses in Shielded Microstrip***, Proceedings of the International IEEE MTT-S Symposium in Long Beach, CA 1989.
- CNF-19. L. P. B. Katehi and J. D. Miller, ***Design of a Low Sidelobe Level Stripline Fed Slot Array Covered by a Dielectric Layer***, Proceedings of the IEEE AP-S International Symposium in San Jose, June 1989.
- CNF-20. W. P. Harokopus and L. P. B. Katehi, ***Analysis of Multilayer Irregular Microstrip Discontinuities Including Radiation Losses***, Proceedings of the 19th European Microwave Conference, London, England, September 1989.
- CNF-21. N. L. VandenBerg and L. P. B. Katehi, ***On the Excitation of a Dielectric Covered Slot by a Microstrip Line in a Cavity***, presented in the International URSI Meeting in San Jose, CA, June 1989.
- CNF-22. G. E. Eleftheriades, W. Ali-Ahmad, L. P. B. Katehi, G. M. Rebeiz, ***Theoretical Analysis of a Dipole-fed Horn Antenna***, 1990 First International Symposium on Space Terahertz Technology, Ann Arbor, Michigan, March 1990, pp. 187-195.
- CNF-23. T. E. van Deventer, L. P. B. Katehi, J. Y. Josefowicz, D. B. Rensch, ***High Frequency Characterization of High-Temperature Superconducting Thin Film Lines***, Proceedings of the 1990 MTT-s International Symposium, Dallas, Texas, May 1990, pp. 285-288.
- CNF-24. N. L. VandenBerg, L. P. B. Katehi, ***Full-wave Analysis of Aperture Coupled Shielded Microstrip Lines***, Proceedings of the 1991 MTT-S International Symposium, Dallas, Texas, May 1990, pp. 163-166.
- CNF-25. N. I. Dib, L. P. B. Katehi, G. E. Ponchak and R. N. Simons, ***Coplanar Waveguide Discontinuities for P-I-N Diode Switches and Filter Applications***, Proceedings of the 1990 MTT-S International Symposium, Dallas, Texas, May 1990, pp. 399-402.
- CNF-26. N. L. VandenBerg and L. P. B. Katehi, ***Computation of S-Parameters for Microstrip-Fed Slot Arrays***, presented in the International URSI Meeting in Dallas, Texas, May 1990.
- CNF-27. W. P. Harokopus, W. Ali-Ahmad, G. M. Rebeiz and L. P. B. Katehi, ***Surface Wave Excitation in Antenna Feed Networks***, presented in the International URSI Meeting in Dallas, Texas, May 1990.
- CNF-28. G. V. Eleftheriades, L. P. B. Katehi, W. Y. Ali-Ahmad and G. M. Rebeiz, ***Radiation Pattern and Input Impedance of Dipole-fed Horn Antennas***, presented in the International URSI Meeting in Dallas, Texas, May 1990.
- CNF-29. W. P. Harokopus and L. P. B. Katehi, ***The Impact of Surface Wave Radiation on the Performance of Printed Feeding Networks***, presented in the XXII General Assembly of URSI, Prague, Czechoslovakia, September 1990.

- CNF-30. L. P. B. Katehi and T. E. Van Deventer, *The Effects of Electromagnetic Coupling in High Frequency Electronic Circuits*, presented in the XXII General Assembly of URSI, Prague, Czechoslovakia, September 1990.
- CNF-31. L. P. B. Katehi, *High Frequency Numerical Modeling of Passive Monolithic Circuits and Antenna Feed Networks*, International Symposium on Future Directions in Electromagnetics, New York, NY, October 1990.
- CNF-32. T. E. van Deventer, L. P. B. Katehi and A. C. Cangellaris, *Effects of Conductor Losses on Cross-Talk in Multilevel Coupled VLSI Interconnections*, OPTCON'90, Boston, MA, November 1990.
- CNF-33. W. Y. Ali-Ahmad, G. V. Eleftheriades, L. P. B. Katehi and G. M. Rebeiz, *94 GHz Integrated-Horn Antennas: Impedance Patterns and Double-Polarized Applications*, Proceedings of the 1990 International Conference on Infrared and Millimeter Waves, Florida, Dec. 1990.
- CNF-34. G. Engel, E. T. Van Deventer and L. P. B. Katehi, *Low-Loss Guiding Structures for THz Frequency Applications*, Proceedings of the 2nd International Symposium on Space Terahertz Technology, JPL, Pasadena, CA, Feb. 1991.
- CNF-35. W. Ali-Ahmad, G. Eleftheriades, L. P. B. Katehi and G. M. Rebeiz, *Progress in 94 GHz Integrated Horn Antennas*, Proceedings of the 2nd International Symposium on Space Terahertz Technology, JPL, Pasadena, CA, Feb. 1991.
- CNF-36. N. I. Dib, W. P. Harokopus, L. P. B. Katehi, C. C. Ling and G. M. Rebeiz, *Study of a Novel Planar Transmission Line*, presented in the 1991 IEEE MTT-S International Symposium, Boston, MA, June 1991.
- CNF-37. W. P. Harokopus and L. P. B. Katehi, *Radiation Loss from Open Coplanar Waveguide Discontinuities*, Proceedings of the 1991 IEEE MTT-S International Symposium, Boston, MA, June 1991.
- CNF-38. N. I. Dib, L. P. B. Katehi and G. E. Ponchak, *Analysis of Shielded CPW Discontinuities with Air-Bridges*, Proceedings of the 1991 IEEE MTT-S International Symposium, Boston, MA, June 1991.
- CNF-39. T. E. van Deventer and L. P. B. Katehi, *A Planar Integral Equation Method for the Analysis of Dielectric Ridge Structures Using Generalized Boundary Conditions*, Proceedings of the 1991 IEEE MTT-S International Symposium, Boston, MA, June 1991.
- CNF-40. A. G. Engel and L. P. B. Katehi, *Analysis of Microstrip Structures on and near Dielectric Ridges Using an Integral Equation-Mode Matching Technique*, Proceedings of the 1991 IEEE MTT-S International Symposium, Boston, MA, June 1991.
- CNF-41. N. I. Dib and L. P. B. Katehi, *The Effect of Mitering in CPW Discontinuities*, Proceedings of the 21st European Microwave Symposium, Stuttgart, Germany, September 1991.

- CNF-42. L. P. B. Katehi and T. E. Van Deventer, *A New Method for Analyzing Dielectric Waveguides for Terahertz and Optical Frequency Applications*, Proceedings of the 21st European Microwave Symposium, Workshop on CAD Oriented Numerical Techniques, Stuttgart, Germany, September 1991.
- CNF-43. N. L. VandenBerg and L. P. B. Katehi, *A Bandwidth Enhancement Technique for Microstrip Fed Slot Arrays*, Proceedings of the 1991 IEEE AP-S International Symposium in London, Ontario, Canada, June 1991.
- CNF-44. G. V. Eleftheriades, L. P. B. Katehi and G. M. Rebeiz, *High-Gain Step-Profiled Integrated Horn Antennas*, Proceedings of the 1991 IEEE AP-S International Symposium in London, Ontario, Canada, June 1991.
- CNF-45. W. P. Harokopus and L. P. B. Katehi, *Coplanar Radiating Structures for Quasi-Optical Power Meters*, Proceedings of the 1991 URSI International Symposium in London, Ontario, Canada, June 1991.
- CNF-46. W. P. Harokopus and L. P. B. Katehi, *Microstrip Antennas Fed by a Coplanar Waveguide Feeding Structure*, Proceedings of the PIERS 1991, Progress in Electromagnetics Research Symposium, Boston, MA, July 1991.
- CNF-47. N. I. Dib and L. P. B. Katehi, *The Effect of Electromagnetic Coupling in Coplanar Waveguide Circuits*, Proceedings of the PIERS 1991, Progress in Electromagnetics Research Symposium, Boston, MA, July 1991.
- CNF-48. A. G. Engel and L. P. B. Katehi, *Full-Wave Analysis of the Microwave Characteristics of a Traveling-Wave Optical Modulator with an Etched Groove*, Proceedings of the 1992 National Radio Science Meeting in Boulder, Colorado, January 1991.
- CNF-49. T. M. Weller, L. P. B. Katehi and W. R. McGrath, *Analysis of a Novel Non-Contacting Waveguide Backshort*, Proceedings of the 3rd International Terahertz Symposium, Ann Arbor, MI, March 1992.
- CNF-50. A. G. Engel and L. P. B. Katehi, *Pulse Propagation on Coupled Microstrip with an Etched Groove*, Proceedings of the 1992 Topical Meeting on Electrical Performance of Electronic Packaging, Tucson, Arizona, April 1992.
- CNF-51. N. I. Dib, L. P. B. Katehi, *Characterization of Non-Symmetric Coplanar Waveguide Discontinuities*, Proceedings of the 1992 IEEE MTT-S International Symposium, Albuquerque, New Mexico.
- CNF-52. N. I. Dib, L. P. B. Katehi and G. E. Ponchak, *A Comprehensive Theoretical and Experimental Study of Coplanar Waveguide Shunt Stubs*, Proceedings of the 1992 IEEE MTT-S International Symposium, Albuquerque, New Mexico.
- CNF-53. L. Rexberg, N. I. Dib and L. P. B. Katehi, *A Microshield Line Loop Antenna for Sub-mm Wavelength Applications*, Proceedings of the 1992 IEEE AP-S International Symposium, Chicago, Illinois.

- CNF-54. T. E. van Deventer and L. P. B. Katehi, *A Study of Sub-Millimeter Wave Coupled Dielectric Waveguides Using the GIE Method*, Proceedings of the 1992 IEEE MTT-S International Symposium, Albuquerque, New Mexico.
- CNF-55. A. G. Engel and L. P. B. Katehi, *On the Analysis of a Transition to a Layered Ridge Dielectric Waveguide*, Proceedings of the 1992 IEEE MTT-S International Symposium, Albuquerque, New Mexico.
- CNF-56. L. P. B. Katehi, *Novel Low-loss Monolithic Transmission Lines for Submillimeter Wave Applications*, invited paper, Proceedings of the 1992 URSI Meeting, Chicago, Illinois.
- CNF-57. K. Sabetfakhri and L. P. B. Katehi, *A Study of Open Dielectric Waveguide Problems Using the Generalized Integral Equation Method*, Proceedings of the 1992 URSI Meeting, Chicago, Illinois.
- CNF-58. L. P. B. Katehi, N. I. Dib and R. F. Drayton, *Theoretical and Experimental Characterization of Microshield Circuits*, Proceedings of the URSI International Symposium on Signals, Systems and Electronics, Paris, France, September 1992.
- CNF-59. T. M. Weller, P. B. Katehi and W. R. McGrath, *A Non-Contacting Waveguide Backshort for Submillimeter Wave Applications*, Proceedings of the 23rd European Microwave Symposium, Helsinki, Finland, August 1992.
- CNF-60. T. E. van Deventer and L. P. B. Katehi, *A Novel Method for the Characterization of Submillimeter Wave Dielectric Waveguides*, Proceedings of the 5th IEEE Conference on Electromagnetic Field Computation, Claremont, CA, August 1992.
- CNF-61. R. F. Drayton and L. P. B. Katehi, *Microwave Characterization of Microshield Lines*, 40th ARFTG Conference, Orlando, Florida, Dec. 1992.
- CNF-62. T. M. Weller and L. P. B. Katehi, *Numerical Modeling of Planar Circuits with Dual Plane Discontinuities*, Proceedings of the 1993 International Symposium of the Advanced Computational Electromagnetics Society (ACES), Monterey, California, March 1993.
- CNF-63. T. M. Weller, L. P. B. Katehi, G. M. Rebeiz, H. J. Cheng and J. F. Whitaker, *Fabrication and Characterization of Microshield Circuits*, Proceedings of the 1993 International Symposium on Space Terahertz Technology, Los Angeles, California, March 1993.
- CNF-64. R. F. Drayton and L. P. B. Katehi, *Experimental Study of Micromachined Circuits*, Proceedings of the 1993 International Symposium on Space Terahertz Technology, Los Angeles, California, March 1993.
- CNF-65. A. G. Engel, Jr. and L. P. B. Katehi, *The Role of Higher-Order Modes in the Characterization of a Shielded Transition to a Dielectric Waveguide*, Proceedings of the 1993 International Symposium of Microwave Theory and Techniques Society, Atlanta, Georgia, June 1993.

- CNF-66. N. I. Dib, M. Gupta, G. Ponchak and L. P. B. Katehi, *Effects of Ground Equalization on the Electrical Performance of Asymmetric CPW Shunt Stubs*, Proceedings of the 1993 International Symposium of Microwave Theory and Techniques Society, Atlanta, Georgia, June 1993.
- CNF-67. K. Sabetfakhri and L. P. B. Katehi, *A Novel Treatment of Open Dielectric Waveguides*, Proceedings of the 1993 International Symposium of Microwave Theory and Techniques Society, Atlanta, Georgia, June 1993.
- CNF-68. T. M. Weller, G. M. Rebeiz and L. P. B. Katehi, *Experimental Results on Microshield Transmission Line Circuits*, Proceedings of the 1993 International Symposium of Microwave Theory and Techniques Society, Atlanta, Georgia, June 1993.
- CNF-69. K. Sabetfakhri and L. P. B. Katehi, *On the Application of Quasi-Wavelet Expansions to Open Dielectric Waveguide Problems*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-70. G. E. Ponchak and L. P. B. Katehi, *Development of Leaky Wave Antennas for Layered Ridge Dielectric Waveguide*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-71. N. I. Dib and L. P. B. Katehi, *Dispersion Analysis of Multilayer Planar Lines Containing Ferrite Regions Using an Extended 2D-FDTD Method*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-72. L. P. B. Katehi, *The Role of EM Modeling in Integrated Packaging*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-73. B. K. Kormanyos, L. P. B. Katehi, G. M. Rebeiz, *Power Combining Designs with CPW-Fed Slot Antennas*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-74. S. V. Robertson, N. I. Dib, G. Yang and L. P. B. Katehi, *A Folded Slot Antenna for Planar Quasi-Optical Mixer Applications*, Proceedings of the 1993 IEEE Antennas and Propagation International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-75. K. Sabetfakhri and L. P. B. Katehi, *Characterization of Dielectric Strip Waveguides Using a Generalized Integral Equation*, Proceedings of the 1993 URSI International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-76. R. F. Drayton and L. P. B. Katehi, *Study of Micromachined Quasi-Planar Lines*, Proceedings of the 1993 URSI International Symposium in Ann Arbor, Michigan, June 1993.

- CNF-77. J. M. Laheurte, L. P. B. Katehi and G. M. Rebeiz, *CPW-Fed Active Twin-Slots Antennas Radiating Through Layered Substrates*, Proceedings of the 1993 URSI International Symposium in Ann Arbor, Michigan, June 1993.
- CNF-78. H. J. Cheng, J. F. Whitaker, T. M. Weller and L. P. B. Katehi, *Transmission of Ultra-High-Bandwidth Pulses on a Low-Distortion Coplanar Stripline*, Proceedings of the 1993 IEEE LEOS Topical Meeting on Optical-Microwave Interactions.
- CNF-79. L. P. B. Katehi, *A Study of Micromachined Transmission Lines and Circuits*, Proceedings of the 1993 Progress in Electromagnetics Symposium (PIERS), Pasadena, California, July 1993.
- CNF-80. L. P. B. Katehi, *Modeling of Micromachined Quasi-Planar Circuits with Dual-Plane Discontinuities*, invited paper, Proceedings of the 1993 URSI General Assembly Meeting in Kyoto, Japan, August 1993.
- CNF-81. L. P. B. Katehi, *Planar Antennas of Aperture Type and their Use in High Frequency Applications*, invited paper, Proceedings of the 1993 URSI General Assembly Meeting in Kyoto, Japan, August 1993.
- CNF-82. T. E. van Deventer and L. P. B. Katehi, *Electromagnetic Coupling in Multilayered Microwave and Millimeter Wave Circuits*, Proceedings of the 1993 URSI General Assembly Meeting in Kyoto, Japan, August 1993.
- CNF-83. R. F. Drayton and L. P. B. Katehi, *Micromachined Circuits for Mm-Wave Applications*, Proceedings of the 1993 European Microwave Conference, Madrid, Spain, September 1993.
- CNF-84. S. V. Robertson, L. P. B. Katehi and G. M. Rebeiz, *A Folded-Slot Quasi-Optical Planar Balanced Mixer*, Proceedings of the 1993 European Microwave Conference, Madrid, Spain, September 1993.
- CNF-85. J. Yook, M. Kurk, N. Dib, L. Katehi and T. Arabi, *Evaluation of Ground Inductance in Printed Circuit Boards*, Proceedings of the 1993 Topical Meeting on Electrical Performance of Electronic Packaging, Monterey, California, October 1993.
- CNF-86. K. Sabetfakhri and L. P. B. Katehi, *A Study of Coupled Planar Dielectric Structures Using the Integral Transform Technique*, Proceedings of the 1994 National Meeting of URSI, Boulder, CO, January 1994.
- CNF-87. B. K. Kormanyos, S. E. Rosenbaum, L. P. Katehi, G. M. Rebeiz, *Monolithic 155 GHz and 213 GHz Quasi-Optical Transistor Oscillators*, Proceedings of the Fifth International Symposium on Space Terahertz Technology, pp. 316-323, Ann Arbor MI, May 1994.
- CNF-88. H. Cheng, J. F. Whitaker, T. M. Weller, L. P. B. Katehi, *Terahertz-Bandwidth Transmission Lines on Low-Permittivity Substrates*, Proceedings of the Fifth International Symposium on Space Terahertz Technology, pp. 698-699, Ann Arbor MI, May 1994.

- CNF-89. E. Tentzeris, N. Dib, L. P. B. Katehi, J. Oswald and P. Siegel, ***Time-Domain Characterization of Diode Mounting Structures***, Proceedings of the Fifth International Symposium on Space Terahertz Technology, pp. 720-727, Ann Arbor MI, May 1994.
- CNF-90. R. F. Drayton, C. Kidner, J. East and L. P. B. Katehi, ***Micromachined Detector Mounts for Millimeter Wave Applications***, Proceedings of the Fifth International Symposium on Space Terahertz Technology, pp. 796-801, Ann Arbor MI, May 1994.
- CNF-91. T. M. Weller, S. Robertson, L. P. B. Katehi and G. M. Rebeiz, ***Millimeter and Submillimeter Wave Microshield Line Components***, Proceedings of the Fifth International Symposium on Space Terahertz Technology, pp. 802-810, Ann Arbor MI, May 1994.
- CNF-92. S. V. Robertson, L. P. B. Katehi and G. M. Rebeiz, ***W-Band Microshield Low Pass Filters***, Digest of the 1994 IEEE MTT Symposium, Vol. 2, pp. 625-628, San Diego, CA, June 1994.
- CNF-93. R. F. Drayton and L. P. B. Katehi, ***Development of Miniature Microwave Circuit Components Using Micromachining Techniques***, Digest of the 1994 IEEE MTT Symposium, Vol. 1, pp. 225-228, San Diego, CA, June 1994.
- CNF-94. N. I. Dib and L. P. B. Katehi, ***Characterization of Sub-mm Wave Dielectric Waveguide Directional Coupler Using the FDTD Method***, Digest of the 1994 IEEE MTT Symposium, Vol. 1, pp. 297-300, San Diego, CA, June 1994.
- CNF-95. H. Cheng, J. F. Whitaker, T. M. Weller and L. P. B. Katehi, ***Terahertz-Bandwidth Characterization of Coplanar Waveguide on Dielectric Membrane via Time-Domain Electro-Optic Sampling***, Digest of the 1994 IEEE MTT Symposium, Vol. 1, pp. 477-480, San Diego, CA, June 1994.
- CNF-96. K. Sabetfakhri and L. P. B. Katehi, ***Analysis of Integrated Dielectric Waveguides Using Orthonormal Wavelet Expansions***, Digest of the 1994 IEEE MTT Symposium, Vol. 2, pp. 587-590, San Diego, CA, June 1994.
- CNF-97. B. K. Kormanyos, S. E. Rosenbaum, L. P. B. Katehi and G. M. Rebeiz, ***Monolithic 155 GHz and 215 GHz Quasi-Optical Slot Oscillators***, Digest of the 1994 IEEE MTT Symposium, Vol. 2, pp. 835-838, San Diego, CA, June 1994.
- CNF-98. T. M. Weller, L. P. B. Katehi, M. I. Herman and P. D. Wamhof, ***Membrane Technology (MIST-T) Applied to Microstrip: A 33 GHz Wilkinson Power Divider***, Digest of the 1994 IEEE MTT Symposium, Vol. 2, pp. 911-914, San Diego, CA, June 1994.
- CNF-99. G. E. Ponchak, N. I. Dib and L. P. B. Katehi, ***A Novel Transition Between Rectangular Waveguide and Layered Ridge Dielectric Waveguide***, Digest of the 1994 European Microwave Conference, pp. 1933-1938, Cannes, France, September 1994.

- CNF-100. K. Sabetfakhri and L. P. B. Katehi, *Wavelet Analysis of Hybrid Microstrip-Dielectric Planar Structures*, Digest of the 1994 European Microwave Conference, pp. 1078-1084, Cannes, France, September 1994.
- CNF-101. K. Sabetfakhri and L. P. B. Katehi, *Multiresolution Expansions for Efficient Moment Method Solution of Wave Guiding Problems*, Digest of the 1994 International Symposium of Antennas and Propagation Society, pp. 24-28, Seattle, WA. June 1994.
- CNF-102. J.-G. Yook, N. I. Dib, L. P. B. Katehi, R. N. Simons and S. R. Taub, *Theoretical and Experimental Study of Microstrip to Slotline Uniplanar Transition*, Digest of the 1994 International Symposium of Antennas and Propagation Society, pp. 1206-1209, Seattle, WA, June 1994.
- CNF-103. J.-C. Cheng, N. I. Dib, L. P. B. Katehi, R. N. Simons and R. Q. Lee, *Analysis of Slot Coupled Coplanar Waveguide Fed Patch Antennas*, Digest of the 1994 International Symposium of Antennas and Propagation Society, pp. 1190-1193, Seattle, WA, June 1994.
- CNF-104. L. P. B. Katehi, *Fabrication and Modeling of Micromachined Millimeter-Wave Circuits*, Keynote Presentation, Proceedings of Workshop on CAE, Modeling and Measurement Verification, Wembley, UK, October 1994, pp. 1-5.
- CNF-105. L. P. B. Katehi, *High-Frequency Characterization of Interconnects for Phased Array Packages*, Proceedings of the 1994 International Symposium of Hybrid Microelectronics, Boston, MA, November 1994, pp. 334-339.
- CNF-106. R. F. Drayton, T. M. Weller and L. P. B. Katehi, *Development and Characterization of Miniaturized Circuits for High-Frequency Applications Using Micromachining Techniques*, Proceedings of the 1994 International Symposium of Hybrid Microelectronics, Boston, MA, November 1994, pp. 214-219.
- CNF-107. E. M. Tentzeris, N. I. Dib, L. P. B. Katehi, J. Oswald and P. Siegel, *Modeling of Diode Mounting Structures Using the Finite Difference Time Domain Method*, Proceedings of the 1994 International URSI Symposium in Seattle, WA, pp. 277, June 1994.
- CNF-108. K. Sabetfakhri and L. P. B. Katehi, *Fast Wavelet Algorithm (FWA) for Moment Method Analysis of Electromagnetic Problems*, Digest of the 1995 ACES Conference, pp. 568-575, Monterey, CA, March 1995.
- CNF-109. H.-J. Cheng, J. F. Whitaker, K. J. Herrick, N. I. Dib, L. P. B. Katehi and J.-L. Coutaz, *Electro-Optic Probes: High-Permittivity Crystals vs. Low-Permittivity Polymers*, Proceedings of the 1995 OSA Topical Meeting on Ultrafast Electronics and Optoelectronics, Dana Point, CA March 1995.
- CNF-110. J.-G. Yook, N. I. Dib and L. P. B. Katehi, *A Study of Hermetic Transitions for Microwave Packages*, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 1579-1582, Vol. 3, May 1995.

- CNF-111. N. I. Dib, R. N. Simons and L. P. B. Katehi, ***Broadband Uniplanar Microstrip to Slotline Transitions***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 683-686, Vol. 2, May 1995.
- CNF-112. T. P. Budka, E. M. Tentzeris, S. D. Waclawik, N. I. Dib, L. P. B. Katehi and G. M. Rebeiz, ***An Experimental and Theoretical Comparison of the Electric Fields Above a Coupled Line Bandpass Filter***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 1487-1490, Vol. 3, May 1995.
- CNF-113. R. F. Drayton and L. P. B. Katehi, ***Micromachined Conformal Packages for Microwave and Millimeter-Wave Applications***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 1387-1390, Vol. 3, May 1995.
- CNF-114. S. V. Robertson, L. P. B. Katehi and G. M. Rebeiz, ***Micromachined Self-Packaged W-Band Bandpass Filters***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 1543-1546, Vol. 3, May 1995.
- CNF-115. K. Sabetfakhri and L. P. B. Katehi ***Fast Wavelet Analysis of 3-D Dielectric Structures Using Sparse Matrix Techniques***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 829-832, Vol. 2, May 1995.
- CNF-116. T. M. Weller and L. P. B. Katehi, ***Miniature Stub and Filter Designs Using the Microshield Transmission Line***, Proceedings of the 1995 IEEE Symposium on Microwave Theory and Techniques, Orlando, FL, pp. 675-678, Vol. 2, May 1995.
- CNF-117. T. M. Weller and L. P. B. Katehi, ***Compact Stubs for Micromachined Coplanar Waveguide***, Proceedings of the 1995 European Microwave Conference, Bologna, Italy, pp. 589-593, Vol. 2, September 1995.
- CNF-118. R. F. Drayton and L. P. B. Katehi, ***Micromachined Antennas with Reduced Effective Dielectric Constant***, Proceedings of the 1995 European Microwave Conference, Bologna, Italy, pp. 44-47, Vol. 1, September 1995.
- CNF-119. E. Tentzeris, M. Krumpholz, N. I. Dib and L. P. B. Katehi, ***A Waveguide Absorber Based on Analytical Green's Function***, Proceedings of the 1995 European Microwave Conference, Bologna, Italy, pp. 251-254, September 1995.
- CNF-120. H.-J. Cheng, J. F. Whitaker, K. J. Herrick, N. I. Dib and L. P. B. Katehi, ***Electro-Optic-Probe System Response: Experiment and Simulation***, Proceedings of the 1995 European Microwave Conference, Bologna, Italy, pp. 151-154, Vol. 1, September 1995.
- CNF-121. K. F. Sabetfakhri and L.P.B. Katehi, ***Characterization of Microstrip Patch Antennas Based on the Two Dimensional Wavelet Theory***, Proceedings of the

- 1995 IEEE Symposium on Antennas and Propagation, Newport Beach, CA, pp. 316-319, June 1995.
- CNF-122. Ioannis Papapolymerou, Rhonda F. Drayton and Linda P.B. Katehi, ***Surface Wave Mode Reduction for Rectangular Microstrip Antennas***, Proceedings of the 1995 IEEE Symposium on Antennas and Propagation, Newport Beach, CA, pp. 1220-1223, June 1995.
- CNF-123. Rhonda F. Drayton, Ioannis Papapolymerou and Linda P.B. Katehi, ***Microstrip Patch Antennas on Micromachined Low-Index Materials***, Proceedings of the 1995 IEEE Symposium on Antennas and Propagation, Newport Beach, CA, pp. 1494-1497, June 1995.
- CNF-124. S. Raman, T.M. Weller, L.P.B. Katehi and G.M. Rebeiz, ***A Double Folded-Slot Antenna at 94 GHz***, Proceedings of the 1995 IEEE Symposium on Antennas and Propagation, Newport Beach, CA, pp. 710-713, June 1995
- CNF-125. S. Mollenkopf, S. Raman, L.P.B. Katehi and G.M. Rebeiz, ***Low Cost Receivers for Millimeter-Wave Imaging Array Applications***, Proceedings of the 1995 SPIE Conference on Smart Materials and Structures, San Diego, July 1995.
- CNF-126. K. F. Sabet and L.P.B. Katehi, ***Modeling of Microwave Circuits Using Wavelet Concepts***, Proceedings of the 1995 COMPUMAG, Berlin, Germany, pp. 750-751, July 1995.
- CNF-127. J.-C. Cheng, N. I. Dib and L. P. B. Katehi, ***Analysis of a Coaxial Line-Fed Cavity-Backed Patch Antenna Using a Hybrid Finite Element/Moment Method***, Proceedings of the 1995 COMPUMAG, Berlin, Germany, pp. 332-333, July 1995.
- CNF-128. M. Krumpholz and L. P. B. Katehi, ***A New FDTD Scheme Based on Orthonormal Wavelet Expansions***, Proceedings of the 1995 Progress in Electromagnetics Symposium (PIERS), Seattle, WA, July 1995.
- CNF-129. K. Goverdhanam, E. Tentzeris and L. P. B. Katehi, ***Macromodeling of Circuit Components for High-Frequency Applications***, Proceedings of the 1995 URSI/AP Symposium in Newport Beach, CA, pp. 361, June 1995.
- CNF-130. J-G Yook and L.P.B. Katehi, ***Modeling of Microwave and Millimeter-Wave Packages***, Proceedings of the 1995 Progress in Electromagnetics Symposium (PIERS), Seattle, WA, July 1995.
- CNF-131. J-G Yook, V. Chandra, L.P.B. Katehi and K. Shakallah, ***Computation of Switching Noise in Digital Packages***, Proceedings of the 1995 Progress in Electromagnetics Symposium (PIERS), Seattle, WA, July 1995.
- CNF-132. N.I. Dib and L.P.B. Katehi, ***Characterization of Dielectric Structures Using the FDTD Technique***, Proceedings of the 1995 Progress in Electromagnetics Symposium (PIERS), Seattle, WA, July 1995.

- CNF-133. L.P.B. Katehi, *Si Micromachined Monolithic Circuits and Antennas for High-Frequency Applications*, Seconde Ecole D'Ete, Reseau Doctoral en Microtechnologies, INSA Toulouse, pp. 1-15, September 1995.
- CNF-134. J-G Yook, V. Chadramouli, L.P.B. Katehi and K.A. Sakallah, *Computation of Switching Noise in PCBs for Digital Packages*, Proceedings of 4th Topical Meeting on Electrical Performance of Electronic Packaging, pp. 37-39, October 1995.
- CNF-135. J-G Yook and L.P.B. Katehi, *Characterization of MMIC Packages Using a Parallelized 3D FEM Code*, Proceedings of the 1996 ACES Symposium, Monterey, CA, pp. 954-961, Vol. II, March 1996.
- CNF-136. M. Krumpholz, E. Tentzeris, R. Robertson and L.P.B. Katehi, *Time Domain Analysis of Microwave Structures by MRTD*, Proceedings of the 1996 ACES Symposium, Monterey, CA, pp. 1303-1309, Vol. II, March 1996.
- CNF-137. G.M. Rebeiz and L.P.B. Katehi, *Micromachined Microwaves and Millimeter Waves at the University of Michigan*, Proceedings of the 1996 National Radio Science Meeting, Boulder CO, pp. 556, January 1996.
- CNF-138. K. Goverdhanam, R.N. Simons, N.I. Dib and L.P.B. Katehi, *Coplanar Stripline Components for High-Frequency Applications*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 1193-1196, June 1996.
- CNF-139. F. Brauchler, S. Robertson, J. East and L.P.B. Katehi, *W-Band, Finite Ground Coplanar Line Circuit Elements*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 1845-1848, June 1996.
- CNF-140. M. Krumpholz, H. G. Winful, L.P.B. Katehi, *MRTD Modeling of Nonlinear Pulse propagation*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 597-600, June 1996.
- CNF-141. T.M. Weller and L.P.B. Katehi, *A Millimeter-Wave Micromachined Lowpass Filter Using Lumped Elements*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 631-634, June 1996.
- CNF-142. L.P.B. Katehi and G.M. Rebeiz, *Novel, Micromachined Approaches to MMICs Using Low-Parasitic, High-Performance Transmission Media and Environments*, Invited Paper, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 1145-1148, June 1996.
- CNF-143. R.F. Drayton, R.M. Henderson and L.P.B. Katehi, *Advanced Monolithic Packaging Concepts for High-Performance Circuits and Antennas*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 1615-1618, June 1996.

- CNF-144. E. Tentzeris, M. Krumpholz and L.P.B. Katehi, *Application of MRTD to Printed Transmission Lines*, a Proceeds of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, June 1996.
- CNF-145. J-G Yook, L.P.B. Katehi, R.N. Simons and K. Shalkhauser, *Experimental and Theoretical Study of Parasitic Leakage/Resonance in a K/Ka-Band MMIC Package*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 223-226, June 1996.
- CNF-146. R. Robertson, E. Tentzeris, M. Krumpholz and L.P.B. Katehi, *MRTD Analysis of Dielectric Cavity Structures*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 1861-1864, June 1996.
- CNF-147. S.V. Robertson, L.P.B. Katehi, G.M. Rebeiz, *A 20-40 GHz Micromachined Directional Coupler*, Proceedings of the 1996 IEEE International Symposium on Microwave Theory and Techniques, San Francisco, CA, pp. 797-800, June 1996.
- CNF-148. E.M. Tentzeris, R. Robertson, M. Krumpholz and L.P.B. Katehi, *Application of the PML Absorber to the MRTD Technique*, Proceedings of the 1996 IEEE International Symposium on Antennas and Propagation, Baltimore, MA, pp. 634-637, July 1996.
- CNF-149. L.P.B. Katehi, *Advanced Concepts in Packaging*, Proceedings of the 1996 IEEE International Symposium on Antennas and Propagation, Baltimore, MA, pp. 625, July 1996.
- CNF-150. K. Goverdhanam, E. Tentzeris, M. Krumpholz and L.P.B. Katehi, *An FDTD Multigrid Based on Multiresolution Analysis*, accepted for presentation in the 1996 IEEE International Symposium on Antennas and Propagation, Baltimore, MA, pp. 352-355, July 1996.
- CNF-151. M. Krumpholz and L.P.B. Katehi, *Modeling of Non-Linear Pulse Propagation by MRTD*, Invited Paper in PIERS 1996, Innsbruck, Austria, July 1996.
- CNF-152. L.P.B. Katehi, *Monolithic Packaging of Micromachined Circuits for High-Frequency Applications*, Invited Paper in PIERS 1996, Innsbruck, Austria, July 1996.
- CNF-153. L.P.B. Katehi and L.P.B. Katehi, *New Time Domain Schemes Using Multiresolution Analysis*, Invited Paper in PIERS 1996, Innsbruck, Austria, July 1996.
- CNF-154. J-G Yook, E. Tentzeris, and L.P.B. Katehi, *Parallelization of the Finite Difference Time Domain Code on Shared Memory Machines*, 1996 PIERS Symposium, Innsbruck, Austria, July 1996.

- CNF-155. E. Yassan, J-G Yook and L.P.B. Katehi, ***Modeling the Interface Between Fields and Devices Using the Finite Element Method, Invited Paper*** in PIERS 1996, Innsbruck, Austria, July 1996.
- CNF-156. K. Sarabandi, K.F. Sabet, J.G. Yook and L.P.B. Katehi, ***An Inverse Algorithm for Integral Equation Formulation of Dielectric Loaded Cavities***, Proceedings of the IGARS 1996.
- CNF-157. L.P.B. Katehi, ***Micromachined Circuits and Antennas for High-Frequency Applications, Invited Paper*** in the 1996 URSI General Assembly Meeting, Lille, France, pp. 635, August 1996.
- CNF-158. G.M. Rebeiz and L.P.B. Katehi, ***Micromachined Microwaves, Invited Paper*** in the 1996 URSI General Assembly Meeting, Lille, France, pp. 49, August 1996.
- CNF-159. L.P.B. Katehi, ***Micromachined Packaging for Circuit and Antenna Applications, Invite Paper*** in the 1996 Antennas and Applications Symposium, Monticello, Illinois, September 1996.
- CNF-160. G.E. Ponchak, S.A. Alterovitz, L.P.B. Katehi and P.K. Bhattacharya, ***The Development of Si and SiGe Technologies for Microwave and Millimeter-Wave Integrated Circuits,*** 1996 WRI International Symposium on Directions for the next Generation of MMIC Devices and Systems, New York, N.Y., September 1996.
- CNF-161. J. Papapolymerou, R.F. Drayton and L.P.B. Katehi, ***Surface Wave Mode Reduction for Rectangular Microstrip Antennas on High-Index Materials,*** 1996 WRI International Symposium on Directions for the next Generation of MMIC Devices and Systems, New York, N.Y., September 1996.
- CNF-162. R. Henderson and L.P.B. Katehi, ***Advanced Concepts in Packaging,*** 1996 WRI International Symposium on Directions for the next Generation of MMIC Devices and Systems, New York, N.Y., September 1996.
- CNF-163. L.P.B. Katehi, ***Novel High-Frequency Interconnects and Circuits Using Si-Micromachining,*** Invited Paper in the 1996 WRI International Symposium on Directions for the next Generation of MMIC Devices and Systems, New York, N.Y., September 1996.
- CNF-164. G. E. Ponchak, S. Robertson, F. Brauchler, J. East and L.P.B. Katehi, ***Finite Width Coplanar Waveguide for Microwave and Millimeter-Wave Integrated Circuits,*** Proceedings of the 1996 International Symposium of the Society on Hybrid Microelectronics, Minneapolis, Minnesota, pp. 517-521, October 1996.
- CNF-165. K. Sarabandi, K.F. Sabet, J.-G. Yook and L.P.B. Katehi, ***An Inverse Algorithm for Integral Equation Formulation of Dielectric Loaded Cavities,*** IGARSS 1996, Lincoln, Nebraska.
- CNF-166. E. Yasan, J-G Yook and L.P.B. Katehi, ***A Generalized Method for Including Two-Port Networks in Microwave Circuits Using the Finite Element Method,***

- Proceedings of Advanced Computational Electromagnetics Society (ACES)
1997, Monterey, CA, pp. 613-617, March 1997.
- CNF-167. L.P.B. Katehi and J. Harvey, ***MRTD: Solution of Boundary Value Problems in Time Domain Using Multiresolution Analysis***, Proceedings of Advanced Computational Electromagnetics Society (ACES) 1997, Monterey, CA, pp. 64-73, March 1997.
- CNF-168. E. Tentzeris, A. Cangellaris and L.P.B. Katehi, ***Space/Time Adaptive Meshing and Multiresolution Time Domain Method (MRTD)***, Proceedings of Advanced Computational Electromagnetics Society (ACES) 1997, Monterey, CA, pp. 1509-1514, March 1997.
- CNF-169. K.F. Sabet, L.P.B. Katehi and K. Sarabandi, ***Wavelet-Based Modeling of Wire Antennas and Scatterers***, Proceedings of Advanced Computational Electromagnetics Society (ACES) 1997, Monterey, CA, pp. 1523-1526, March 1997.
- CNF-170. K.F. Sabet and L.P.B. Katehi, K. Sarabandi, ***Wavelet-Based CAD Modeling of Microstrip Discontinuities Using Least Square Prony's Method***, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 1799-1802.
- CNF-171. G.E. Ponchak, A.N. Downey and L.P.B. Katehi, ***High-Frequency Interconnects on Silicon Substrates***, Proceedings of the 1997 IEEE International Symposium on Radio Frequency Integrated Circuits (RFIC), Denver, CO, June 1997, pp 101-104.
- CNF-172. E. M. Tentzeris, J. Harvey and L.P.B. Katehi, ***Space/Time Adaptive Gridding Using MRTD***, Proceedings of the 1997 IEEE International Symposium on Antennas and Propagation, Denver, CO, June 1997, pp. 337-340.
- CNF-173. G.E. Ponchak, E. Tentzeris and L.P.B. Katehi, ***Coupling Between Adjacent Finite Ground Coplanar Waveguides***, Proceedings of the 1997 International Symposium of the Society on Hybrid Microelectronics, Philadelphia, PA, October 1997, pp. 7-10. (Best Paper Award by the International Hybrid Microelectronics and Packaging Society)
- CNF-174. K.J. Herrick, T. Schwarz and L.P.B. Katehi, ***W-Band Micromachined Finite Ground Coplanar (FGC) Line Circuit Elements***, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 269-272.
- CNF-175. Kavita Goverdhanam, Linda P.B. Katehi and Andreas Cangellaris, ***Applications of Multiresolution Based FDTD Multigrid***, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 333-336.
- CNF-176. R. Robertson, E.M. Tentzeris and L.P.B. Katehi, ***Modeling of Membrane Patch Antennas Using MRTD Analysis***, Proceedings of the 1997 IEEE International

- Symposium on Antennas and Propagation, Montreal, CANADA, July 1997, pp.126-129.
- CNF-177. K. F. Sabet, J-C. Cheng, L.P.B. Katehi and K. Sarabandi, *Unified Analysis of Finite-Size Printed Antenna Arrays and Their Feed Circuits Using a Wavelet-Based Sparse Moment Method Approach*, Proceedings of the 1997 IEEE International Symposium on Antennas and Propagation, Montreal, CANADA, July 1997.
- CNF-178. K. F. Sabet, K. Sarabandi, and L.P.B. Katehi, *Efficient Design of Printed Circuit Antenna Systems Based on Macromodeling Concepts*, Proceedings of the 1997 IEEE International Symposium on Antennas and Propagation, Montreal, CANADA, July 1997.
- CNF-179. S.V. Robertson, M. Matloubian, M. Case and L.P.B. Katehi, *A Si Micromachined Conformal Package for K-Band Low Noise HEMT Amplifier*, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 517-520.
- CNF-180. F. Brauchler, J. Papapolymerou, J. East and L.P.B. Katehi, *W-Band Monolithic Multipliers*, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 1225-1228.
- CNF-181. R. M. Henderson, L.P.B. Katehi, *Silicon-Based Micromachined Packages for Discrete Components*, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 521-524.
- CNF-182. G.E. Ponchak and L.P.B. Katehi, *Characteristics of Finite Ground Coplanar Waveguide Lumped Elements*, Proceedings of the 1997 IEEE International Symposium on Microwave Theory and Techniques, Denver, CO, June 1997, pp. 1003-1006.
- CNF-183. K. F. Sabet, K. Sarabandi, and L.P.B. Katehi, *Efficient Design of Printed Circuit Antenna Systems Based on Macromodeling Concepts*, Proceedings of the 1997 IEEE International Symposium on Antennas and Propagation, Montreal, CANADA, July 1997.
- CNF-184. Barry S. Perlman, Jong-Gwan Yook, Jui-Ching Cheng, Donghoon Chen and Linda P.B. Katehi, *Parallel Electromagnetic Solvers for High-Frequency Antenna/Circuit Design*, DoD HPCMP User Group Meeting, San Diego, CA, June 1997.
- CNF-185. L.P.B. Katehi, *Si Micromachining in Mm-Wave Circuits*, Invited Paper, 1997 Topical Symposium on Millimeter-Waves, Kanagawa, Japan, July 1997.
- CNF-186. L.P.B. Katehi, *Microtechnologies et Microcircuits Hyperfrequencies*, Plenary Talk, Nemes Journees Nationales Microondes, Saint Malo, France, May 1997.
- CNF-187. J.D. Shumpert, T. Ellis, G.M. Rebeiz and L.P.B. Katehi, *Microwave and Millimeter-Wave Propagation Through Photonic Band-Gap Structures*,

Proceedings of 1997 International Symposium of Antennas and Propagation and URSI Radio Science Meeting, Montreal, Quebec, CANADA, July 1997.

- CNF-188. E. Tentzeris, J. Harvey and L.P.B. Katehi, ***Time-Adaptive, Time-Domain Techniques for the Design of Microwave Circuits***, Invited Paper, Proceedings of the 1997 IEEE International Symposium of Antennas and Propagation, Montreal, Quebec, CANADA, July 1997, pp. 1476-1479
- CNF-189. J.-S. Rieh, O. Qasaimeh, D. Klotzkin, L.-H. Lu, K. Yang, L.P.B. Katehi, and P. Bhattacharya, ***Monolithically Integrated SiGe/Si PIN-HBT Front-End Transimpedance Photoreceivers***, Digest of the 1997 Cornell Conference, Ithaca, NY, Aug. 1997.
- CNF-190. T. Weller, M. Imparato, L. Dunleavy, R. Henderson, S. Robertson and L.P.B. Katehi, ***The Effects of Line Width and Slot Etching on Silicon-Based CPW at Mm-Wave Frequencies***, 50th ARFTG Conference, Dec. 1997.
- CNF-191. Linda P.B. Katehi, ***Si-Micromachining for High-Frequency Applications, Invited Paper***, Mm-Wave Communications Symposium, Tokyo, Japan, Dec. 1997.
- CNF-192. K.C. Syao, X. Zhang, L.H. Lu, L.P.B. Katehi and P. Bhattacharya, ***Low Crosstalk and Large Bandwidth 1.55micron 16-Channel Photoreceiver Arrays***, Ecoc'97.
- CNF-193. Kavita Goverdhanam, Emmanouil Tentzeris and Linda P.B. Katehi, ***Treatment of Boundaries in Multiresolution Based FDTD Multigrid***, Digest of the 1998 International Symposium of Advanced Computational Electromagnetics Society (ACES), Monterey, CA, March 1998.
- CNF-194. Kavita Goverdhanam, Emmanouil Tentzeris and Linda P.B. Katehi, ***Modeling of Boundary Conditions at the Haar Multigrid***, Proceedings of the 1998 International Symposium of Advanced Computational Electromagnetics Society (ACES), Monterey, CA, March 1998.
- CNF-195. Emmanouil Tentzeris, Rob Robertson and Linda P.B. Katehi, ***PML Implementation for the Battle-Lemarie Multiresolution Time-Domain Schemes***, Digest of the 1998 International Symposium of Advanced Computational Electromagnetics Society (ACES), Monterey, CA, March 1998.
- CNF-196. Linda P.B. Katehi, ***Si Micromachining for High-Frequency Circuits***, Invited paper, ESA Workshop on Millimeter-Wave Technology and Applications, ESPOO, Finland, May 27-28, 1998.
- CNF-197. Sergio Pacheco, Clark T. Nguyen and Linda P.B. Katehi, ***Micromechanical Electrostatic K-Band Switches***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 7-12, 1998, pp.1569-1572.
- CNF-198. George E. Ponchak, Donghoon Chen, Jong-Gwan Yook, and Linda P.B. Katehi, ***Characterization of Plated Via Hole Fences for Isolation Between Stripline***

- Circuits in LTCC Packages*, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 7-12, 1998, pp. 1831-1834.
- CNF-199. R.F. Drayton, S. Pacheco, J.-G. Yook and L.P.B. Katehi, ***Micromachined Filters on Synthesized Substrates***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 7-12, 1998, pp. 1185-1188.
- CNF-200. Linda P.B. Katehi, Gabriel M. Rebeiz and Clark T.-C. Nguyen, ***MEMS and Si-Micromachined Components for Low-Power, High-Frequency Communications Systems***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998.
- CNF-201. Emmanouil M. Tentzeris and Linda P.B. Katehi, ***Space Adaptive Analysis of Evanescent Waveguide Filters***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, pp. 481-484, Baltimore, MA, June 1998.
- CNF-202. K. Yang, G. David, S. Robertson, J.F. Whitaker and L.P.B. Katehi, ***Electro-Optic Mapping of Near-Field Distributions in Integrated Microwave Circuits***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998.
- CNF-203. Luca Roselli, Emmanouil M. Tentzeris and Linda P.B. Katehi, ***Nonlinear Circuit Characterization Using a Multiresolution Time Domain Technique (MRTD)***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, pp. 1387-1390, Baltimore, MA, June 1998.
- CNF-204. Gildas P. Gauthier, Linda P.B. Katehi and Gabriel M. Rebeiz, ***W-Band Finite Ground Coplanar Waveguide (FGCPW) to Microstrip Line Transition***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998, pp. 107-110.
- CNF-205. Gildas P. Gauthier, Linda P.B. Katehi and Gabriel M. Rebeiz, ***A 94 GHz Aperture-Coupled Micromachined Microstrip Antenna***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998, pp. 993-996.
- CNF-206. Kavita Goverdhanam, Rainee N. Simons and Linda P.B. Katehi, ***Micro-Coplanar Striplines-New Transmission Media for Microwave Applications***, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998, pp. 1035-1038.
- CNF-207. Liang-Hung Lu, Jae-Sung Rieh, Pallab Bhattacharya, Linda P.B. Katehi, E.T. Croke, George E. Ponchak and Samuel A. Alterovitz, ***K-Band Si/SiGe HBT MMIC Amplifiers Using Lumped Passive Components with a Micromachined Structure***, Proceedings of the 1998 International Symposium on Radio Frequency Integrated Circuits (RFIC), Baltimore, MA, June 7-9, 1998, pp. 17-20.

- CNF-208. John Papapolymerou, Jack East and Linda P.B. Katehi, Moonil Kim and Imran Mehdi, *Millimeter-Wave GaAs Monolithic Multipliers*, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998, pp. 395-398.
- CNF-209. Tom Weller, R.M. Henderson, S.V. Robertson and L.P.B. Katehi, *Optimization of Mm-Wave Distribution Networks Using Silicon-Based CPW*, Proceedings of the 1998 International Symposium on Microwave Theory and Techniques, Baltimore, MA, June 1998, pp. 537-540.
- CNF-210. Rashaunda M. Henderson, Thomas A. Schwarz, Stephen Robertson, Linda P.B. Katehi, Michael Case and Mehran Matloubian, *The Effects of Si-Micromachined On-Wafer Packaging on the Performance of K-Band Circuits*, Presented in the 1998 European Microwave Conference, October 1998, Netherlands, published in the Proceedings of the 1999 European Microwave Conference in Munich, Germany, October 1999.
- CNF-211. G. David, K. Yang, W. Wang, L.W. Pearson, J.F. Whitaker and L.P.B. Katehi, *3D Near-Field Analysis of a 4x4 Grid Oscillator Using an Electro-Optic Field Imaging System*, Proceedings of the 1998 European Microwave Conference, October 1998, Netherlands.
- CNF-212. Lee Harle, John Papapolymerou, Jack East and Linda P.B. Katehi, *The Effects of Slot Positioning on the Bandwidth of a Micromachined Resonator*, Proceedings of the 1998 European Microwave Conference, Amsterdam, Netherlands, October 1998, pp. 664-668.
- CNF-213. Katherine J. Herrick, Jong-Gwan Yook, Stephen Robertson, Gabriel Rebeiz and Linda P.B. Katehi, *W-Band Micromachined Vertical Interconnection for Three-Dimensional Microwave Ics*, Presented at the 1998 European Microwave Conference, October 1998, published in the Proceedings of the 1999 European Microwave Conference, October 1999.
- CNF-214. Linda P.B. Katehi, E.M. Tentzeris and James Harvey *Application of Multiresolution Time Domain Technique to Microwave Circuits and Antennas, Invited paper*, Special Session on Wavelets, Proceedings of the 1998 European Microwave Conference, Amsterdam, Netherlands, October 1998.
- CNF-215. Jong-Gwan Yook and Linda P.B. Katehi, *Suppression of Surface Waves Using Micromachining Techniques*, Proceedings of the 1998 International Symposium on Antennas and Propagation, Atlanta, GA, June 1998, pp. 652-655.
- CNF-216. Eray Yasan and Linda P.B. Katehi, *An FEM Based Method on Full-Wave Characterization of Distributed Circuits Including Linear and Nonlinear Elements*, Proceedings of the 1998 International URSI Symposium, Atlanta, GA, June 1998.

- CNF-217. J.D. Shumpert, T. Ellis, Gabriel Rebeiz and Linda P.B. Katehi, ***Microwave and Millimeter-Wave Propagation in Photonic Band-Gap Structures***, Proceedings of the 1998 International URSI Symposium, Atlanta, GA, June 1998, p. 123.
- CNF-218. R. Robertson, E.M. Tentzeris, T.J. Ellis and L.P.B. Katehi, ***Characterization of a CPW-MS Transition for Antenna Applications***, Proceedings of the 1998 International Symposium on Antennas and Propagation, Atlanta, pp. 1380-1383, GA, June 1998.
- CNF-219. Linda P.B. Katehi and Gabriel Rebeiz, ***Micromachining Techniques for High-Frequency Circuits***, Proceedings of the 1998 URSI International Symposium, Atlanta, GA, June 1998.
- CNF-220. Linda P.B. Katehi, ***Microtechnology in the Development of Three-Dimensional Circuits***, Proceedings of the Microwaves and RF '98, London, UK, October 1998.
- CNF-221. George Ponchak, Emmanouil Tentzeris and Linda P.B. Katehi, ***Finite Ground FGC Coplanar Waveguide: A better transmission line***, Proceedings of the PIERS 1998, July 1998, Nantes, France.
- CNF-222. Thomas Ellis, Robert Robertson, Linda P.B. Katehi and Gabriel Rebeiz, ***A Dual Polarized Planar Antenna for Phased Array Applications***, ARL Symposium, Washington DC, January 1998.
- CNF-223. G. David, K. Yang, L.P.B. Katehi and J.F. Whittaker, ***Electro-Optic Mapping of Guided and Radiated Electric Fields from Microwave Integrated Circuits and Antennas***, Conference on Lasers and Electro-Optics (CLEO '98), Post deadline Paper, May 1998, San Francisco, CA.
- CNF-224. T. Ellis, J.D. Shumpert, L.P.B. Katehi and G.M. Rebeiz, ***Do Two Dimensional Periodic Structures Exhibit Photonic Band-Gap Properties?***, 1998 URSI Radio Science Meeting Digest, June 1998, p. 120.
- CNF-225. G. David, K. Yang, M. Crites, J.-S. Rieh, P. Bhattacharya, L.P.B. Katehi and J.F. Whitaker, ***Photoconductive Probing and Computer Simulation of Microwave Potentials Inside a SiGe MMIC***, Proceedings of 1998 IEEE Microwave Theory and Techniques Society Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, Ann Arbor, Michigan, September 1998.
- CNF-226. J.-S. Rieh, L.-H. Lu, L.P.B. Katehi, P.K. Bhattacharya and E.T. Croke, ***Experimental Determination of Minority Electron Mobility in p-Type Pseudomorphic SiGe/Si***, Proceedings of Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, pp. 10-15, Ann Arbor, Michigan, September 1998.
- CNF-227. L. P.B. Katehi, G.M. Rebeiz and R.T. Kihm, ***Micromachined Silicon Conformal Packaging for Millimeter-Wave System Applications***, IEEE Topical Meeting on Electronic Performance of Electrical Packages, October 1998, New York, NY.

- CNF-228. E. Tentzeris, R. Robertson, J. Harvey and L.P.B. Katehi, *Application of the Multiresolution Time Domain Technique (MRTD) to Microwave Circuits and Antenna Problems*, Invited Paper, 1998 Microwave European Conference, Amsterdam, Netherlands, October 1998.
- CNF-229. George Ponchak, Donghoon Chen, Jong-Gwan Yook and Linda P.B. Katehi, *Filled Via Hole Fences for Crosstalk Control of Microstrip Lines in LTCC Packages*, 1998 International Conference of Microelectronics and Advanced Packaging (IMAPS), San Diego, November 1998.
- CNF-230. G.E Ponchak, L.P.B. Katehi and E.M. Tentzeris, *Finite Ground Coplanar (FGC) Waveguide: Its Characteristics and Advantages for Use in RF and Wireless Communication Circuits*, Invited Paper in the 3rd International Wireless Communications Conference (WCC '98) Digest, pp. 75-83, San Diego, CA, Nov. 1-3, 1998.
- CNF-231. G. David, K. Yang, L.P.B. Katehi and J.F. Whitaker, *Electro-Optic Imaging of Millimeter-Wave Field Patterns*, LEOS '98, Orlando, Florida, December 1998.
- CNF-232. Linda P.B. Katehi, *Three-Dimensional Micromachined Circuits for High-Frequency Applications*, Sharnoff Topical Conference, March 1999, New Jersey, NY.
- CNF-233. J.-S. Rieh, L.-H. Lu, Z. ma, X. Liu, L.P.B. Katehi, P.K. Bhattacharya and E.T. Croke, *Small and Large-Signal Operation of X-Band CE and CB SiGe/Si Power HBTs*, 1999 IEEE MTT-S International Microwave Symposium, Anaheim, CA, June 1999, pp. 1191-1195.
- CNF-234. R.L. Robertson, E.M. Tentzeris and L.P.B. Katehi, *MRTD Applied to Complex Geometry Air-Dielectric Interface in 3D Microwave Structures*, Student Paper Contest Semi-finalist in the 1999 International Microwave Symposium, Anaheim, CA, June 1999, pp. 1463-1467.
- CNF-235. K. Goverdhanam, R.N. Simons and L.P.B. Katehi, *Novel Three-Dimensional Vertical Interconnect Technology for Microwave and RF Applications*, Proceedings of 1999 International Conference of IEEE Microwave Theory and Techniques Society, Anaheim, CA, June 1999, pp. 641-645.
- CNF-236. K Goverdhanam and L.P.B. Katehi, *Applications of Haar Wavelet Based MRTD Scheme in the Characterization of 3D Microwave Circuits*, Proceedings of 1999 International Conference of IEEE Microwave Theory and Techniques Society, Anaheim, CA, June 1999, pp. 1475-1479.
- CNF-237. T.J. Ellis, J-P. Raskin, L.P.B. Katehi and G.M. Rebeiz, *A Wideband CPW-to Microstrip Transition for Millimeter-Wave Packaging*, Proceedings of 1999 International Conference of IEEE Microwave Theory and Techniques Society, Anaheim, CA, June 1999, pp. 629-633.
- CNF-238. K. Yang, G. David, W. Wang, T. Marshall, L.W. Pearson, Z. Popovic, L.P.B. Katehi and J.F. Whitaker, *Electro-Optic Field Mapping of Quasi-Optic Power*

- Combining Arrays***, Invited Paper, 1999 Ultrafast Electronics and Opto-Electronic Conference, Snowmass, CO
- CNF-239. K.J. Herrick, R.M. Henderson and L.P.B. Katehi, ***Wave Effects in Si-Micromachined Multilayer Guiding Structures Operating at W-Band***, Proceedings of the 1999 International Microwave Theory and Techniques Symposium, Anaheim, CA, June 1999, pp. 61-66.
- CNF-240. Costas D. Sarris and Linda P.B. Katehi, ***Multiresolution Time Domain Schemes with Space-Time Haar Wavelets***, Proceedings of 1999 International Symposium on Microwave Theory and Techniques, Anaheim, CA, June 1999, pp. 1459-1463.
- CNF-241. R.M. Henderson, T.M. Weller and L.P.B. Katehi, ***Three-Dimensional W-Band Circuits Using Si Micromachining***, Proceedings of 1999 International Symposium on Microwave Theory and Techniques, Anaheim, CA, June 1999, 441-445.
- CNF-242. K.F. Sabet, J-C. Cheng, L.P.B. Katehi, K. Sarabandi and J.F. Harvey, ***Fast Simulation of Large-Scale Planar Circuits Using an Object-Oriented Space Solver***, Proceedings of 1999 International Symposium on Microwave Theory and Techniques, Anaheim, CA, June 1999, pp. 373-377.
- CNF-243. C. D. Sarris, J.F. Harvey, Linda P.B. Katehi, ***Use of Multiresolution Analysis for Complex Boundary Electromagnetic Problems***, Invited Paper in the 1999 General Assembly Meeting of URSI, Toronto, Canada, August 1999.
- CNF-244. Linda P.B. Katehi, ***Novel Packaging Approaches for High-Frequency Three-Dimensional Circuits***, Invited Paper in the 1999 General Assembly Meeting of URSI, Toronto, Canada, August 1999, Conference Digest. Pp. 263.
- CNF-245. C. D. Sarris, J. Harvey and L.P.B. Katehi, ***Use of Multiresolution in Time Domain for the Solution of Complex Boundary Electromagnetic Problem***, Invited Paper in the 1999 General Assembly Meeting of URSI, Toronto, Canada, August 1999, Conference Digest. Pp. 157.
- CNF-246. L.P.B. Katehi, E.M. Tentzeris and J. Harvey, ***Multiresolution Time Domain Analysis (MRTD) of High-Frequency Circuits Including Non-Linear Elements***, Invited Paper in the 1999 General Assembly Meeting of URSI, Toronto, Canada, August 1999, Conference Digest. Pp. 694.
- CNF-247. C. D. Sarris and L.P.B. Katehi, ***Application of Multiresolution Analysis to the Modeling of Microwave and Optical Structures***, Invited Paper in the International Workshop on Optical Waveguide and Numerical Modeling, France, September 1999.
- CNF-248. S. Pacheco and L. P.B. Katehi, ***Microelectromechanical K-Band Switching Circuits***, accepted for presentation in the 29th European Microwave Conference, Munich, Germany, October 1999.

- CNF-249. K. Goverdhanam, C. Sarris, E. Tentzeris and L.P.B. Katehi, ***PML Absorber Formulation for Haar Wavelet Based MRTD***, accepted for publication in the 1999 European Microwave Conference, Munich, Germany, October 1999.
- CNF-250. T.A. Schwarz and L. P.B. Katehi, ***A Micromachined Evanescent Mode Resonator***, Proceedings of 1999 European Microwave Conference, Munich, Germany, October 1999.
- CNF-251. Costas Sarris and Linda P.B. Katehi, ***Formulation and Study of an Arbitrary Order Haar Wavelet Based Multiresolution Time Domain Technique***, Proceedings of the 16th Annual Review in Progress in Computational Electromagnetics 2000, vol.2, pp. 540-547, Monterey, March 2000
- CNF-252. James Becker and Linda P.B. Katehi, ***Toward a Novel Planar Circuit-Compatible Silicon Microwave Waveguide***, 1999 IEEE Topical Conference in Electronic Packaging, San Diego, October 1999.
- CNF-254. George Ponchak, Alex Margomenos and Linda Katehi, ***Low-Loss Finite Width Ground Plane Thin Film Microstrip Lines on Si Wafers***, 2nd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, 2000, Digest of Papers 2000, pp. 43-47, Garmisch Germany, April 2000.
- CNF-255. Saeed Mohammadi, Linda Katehi, and Pallab Bhattacharya, ***Microwave Noise of Si/SiGe Heterojunction Bipolar Transistor***, 2nd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, pp. 15-18, Garmish Germany, April 2000
- CNF-256. Linda Katehi, ***Si-Based RF MEMS and Micromachined Circuits for Wireless Communications Systems***, 2nd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, Garmish Germany, April 2000, pp. 5-8.
- CNF-257. Kevin Lu, George Ponchak, Pallab Bhattacharya and Linda Katehi, ***High-Q, X-Band and K-Band Micromachined Spiral Inductors for Use in Si-Based Ics***, 2nd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, Garmish Germany, April 2000, pp. 108-112
- CNF-258. Katherine J. Herrick 1 , Robert T. Kihm 2 , and Linda P. B. Katehi , ***On Wafer Packaging and 3D Integration Utilizing Silicon Micromachining***, 2000 Radar Affordability Conference, Red Arsenal, Huntsville, Alabama, May 2000
- CNF-259. K.J. Herrick and L.P.B. Katehi, ***RF W-Band Wafer-to-Wafer Transition***, Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000.
- CNF-260. S. Pacheco, L.P.B. Katehi and C.T. Nguyen, ***Design of Low Actuation Voltage RF MEMS Switches***, Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- CNF-261. L.H. Lu, P.K. Bhattacharya, Linda Katehi and G.E. Ponchak, ***X-Band and K-Band Lumped Wilkinson Power Dividers with a Micromachined Technology***,

- Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- CNF-262. K.J. Herrick and L.P.B. Katehi, ***Micromachined Circuit Combining Networks for W-Band Applications***, Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- CNF-263. J.P. Becker and L.P.B. Katehi, ***Multilevel Finite Ground Coplanar Line Transitions for High-Density Packaging Using Silicon Micromachining***, Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- CNF-264. D. Peroulis, S. Pacheco, K. Sarabandi and L.P.B. Katehi, ***MEMS Devices for High-Isolation Switching and Tunable Filtering***, Proceedings of 2000 International Conference of IEEE Microwave Theory and Techniques Society, Boston, MA, June 2000
- CNF-265. William J. Chappell, Matthew P. Little and Linda P.B. Katehi, ***High-Q Two-Dimensional Defect Resonators-Measured and Simulated***, Microwave Symposium Digest, 2000 IEEE MTT-S International, Vol. 3, 2000, pp. 1437-1440, June 2000.
- CNF-266. Alex Margomenos, Sam Valas, Martan I. Herman and Linda. P. B. Katehi, ***Isolation in Three-dimensional Integrated circuits***, Microwave Symposium Digest, 2000 IEEE MTT-S International, Vol. 3, 2000, pp.1875-1878, Boston, MA, June 2000.
- CNF-267. K. Sabet, T. Ozdemir, J. Cheng, K. Sarabandi and L.P.B. Katehi, ***Modeling and Design of Reconfigurable Antenna Arrays Including MEMS Switches***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-268. D. Cheng, R. Simons and L.P.B. Katehi, ***Modeling and Characterization of Cavity Backed Circular Aperture Antenna with Suspended Stripline Probe Feed***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-269. L.P.B. Katehi and G.M. Rebeiz, ***RF MEMS and Si-Micromachined Circuits for High-Frequency Applications***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-270. E. Yasan and L.P.B. Katehi, ***Characterization of a Frequency Double Circuit Using an FEM-Based Method***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000.
- CNF-271. R. Reano, J. Whitaker and L.P.B. Katehi, ***Near-Field Characterization of Parasitic and Slotline Mode Coupling in Quasi-Optical Unit Cell via Electro-Optic Sampling***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000

- CNF-272. W. Chappell, M. Little, J. Shumpert and L.P.B. Katehi, ***Integration of Planar Antennas and Defect Resonators in Two-Dimensional EBG Substrates***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-273. T. Ozdemir, K. Sabet, P. Frantzis, K. Sarabandi, L. Katehi and J. Harvey, ***Artificial Dielectrics for Graded Index Lens Design***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-274. Costas D. Sarris, Linda P. B. Katehi and James F. Harvey, ***Mesh Truncation Methods for the Multiresolution Time Domain Technique***, Proceedings of 2000 International Conference of IEEE Antennas and Propagation Society, Salt Lake City, Utah, June 2000
- CNF-275. Dimitrios Peroulis, Sergio P. Pacheco, and Linda P. Katehi, ***RF MEMS for Wireless Communications Systems***, Proceedings of the International Conference on Microtechnologies, Vol. 2, pp. 25-27, Hanover, Germany , September 2000.
- CNF-276. Costas D. Sarris and Linda P. B. Katehi, ***On the Use of Wavelets for the Implementation of High Order Mesh Refinement in Time Domain Simulations***, Proceedings of the 30th European Microwave Conference, pp. 284-287, Paris, France, October 2000.
- CNF-277. Linda P. B. Katehi, Sergio P. Pacheco, and Dimitrios Peroulis, ***RF MEMS for Wireless Communications Systems***, Proceedings of the International Conference on Microtechnologies, vol. 2, pp. 25-27, Sept. 2000, Hannover, Germany (**Invited Paper**).
- CNF-278. Costas D. Sarris and Linda P. B. Katehi, ***Some Aspects of Dispersion Analysis of Multiresolution Time Domain Schemes***, Proceedings of 17th Annual Review of Progress in Applied Computational Electromagnetics, pp. 23-30, Monterey, CA, March 2001.
- CNF-279. Dimitrios Peroulis, Kamal Sarabandi, Barry S. Perlman, and Linda P. Katehi, ***Planar Reconfigurable Slot Antenna for Communications***, SPIE Proceedings of the 8th Annual International Symposium on Smart Structures and Materials, pp. 89-92, Newport Beach, CA , March 2001.
- CNF-280. K.F. Sabet, Jui-Ching Cheng, K. Sarabandi, L.P.B. Katehi, ***An Advanced Electromagnetic Tool for Design of Multilayer Printed Antenna Arrays***, Aerospace Conference, 2001, IEEE Proceedings. , Volume: 2 , 10-17 March 2001
Page(s): 2/757 -2/766.
- CNF-281. Dimitrios Peroulis, Sergio P. Pacheco, Kamal Sarabandi, and Linda P. Katehi, ***A Planar VHF Reconfigurable Slot Antenna***, Proceedings of the IEEE AP-S/URSI International Symposium, Vol. 1, pp. 154-157, Boston, MA , May 2001

- CNF-282. Costas D. Sarris and Linda P. B. Katehi, ***Fundamental Gridding Related Dispersion Effects in MRTD Schemes***, Proceedings of IEEE MTT-S International Microwave Symposium, pp. 749-752, Phoenix, AZ, May 2001.
- CNF-283. Costas D. Sarris and Linda P. B. Katehi, ***Development and Application of an Efficient FDTD/MRTD Numerical Interface***, Proceedings of 2001 IEEE MTT-S International Microwave Symposium, pp. 753-755, Phoenix, AZ, May 2001.
- CNF-284. Ronald M. Reano, Kyoung Yang, John F. Whitaker, Linda P.B. Katehi, ***Integrated Electro-Thermal Probe***, 2001 IEEE Microwave Theory and Techniques-S International Microwave Symposium Digest, May 2001, Page(s): 1523 -1526.
- CNF-285. L.-H. Lu, S. Mohammadi, G.E. Ponchak, P. Bhattacharya, L.P.B. Katehi, ***Design and Implementation of Micromachined Lumped Quadrature (90°) Hybrids***, Microwave Symposium Digest, 2001 IEEE MTT-S International , Volume: 2 , 20-25 May 2001, Page(s): 1285 -1288.
- CNF-286. William J. Chappell, Chris J. Reilly, John Halloran, and Linda P.B. Katehi, ***Development of Ceramic EBG Substrates***, URSI-B Symposium, 2001, Victoria, Canada, 2001
- CNF-287. Costas D. Sarris, Pawel Czarnul, Donghoon Chun, Karen Tomko, Edward S. Davidson, Linda P. B. Katehi, Barry Perlman, ***Time Domain Modeling for Large Scale Cosite Interference Problems Utilizing Wavelets and Parallel Computing***, Proceedings of DoD/HPCMO Users Conference, Biloxi, MS, June 2001.
- CNF-288. Pawel Czarnul, S. Venkatasubramanian, Costas D. Sarris, Shih-Hao Hung, Donghoon Chun, Karen Tomko, Edward S. Davidson, Linda P. B. Katehi, Barry Perlman, ***Locality Enhancement and Parallelization of an FDTD Simulation***, Proceedings of DoD/HPCMO Users Group Conference, Biloxi, MS, June 2001.
- CNF-289. Dimitrios Peroulis, Sergio P. Pacheco, Kamal Sarabandi, and Linda P. Katehi, ***Tunable Lumped Components with Applications to Reconfigurable MEMS Devices***, Proceedings of the IEEE MTT-S International Microwave Symposium, Vol. 1, pp. 341-344, Phoenix, AZ , June 2001
- CNF-290. Sergio P. Pacheco, Dimitrios Peroulis, Kamal Sarabandi, and Linda P. Katehi, ***MEMS Singel-Pole Double-Throw (SPDT) X and K-Band Switching Circuits***, Proceedings of the IEEE MTT-S International Microwave Symposium, Vol. 1, pp. 321-324, Phoenix, AZ , June 2001
- CNF-291. Costas D. Sarris, Karen Tomko, Pawel Czarnul, Shih-Hao Hung, Robert L. Robertson, Donghoon Chun, Edward S. Davidson, Linda P. B. Katehi, ***Multiresolution Time Domain Modeling for Large Scale Wireless Communication Problems***, Proceedings of IEEE Antennas and Propagation Symposium, Boston, MA, July 2001.

- CNF-292. Rainee N. Simons, Donghoon Chun, and Linda P.B. Katehi, ***Reconfigurable Array Antenna Using Microelectromechanical Systems (MEMS) Actuators***, IEEE AP-S International Symposium on Antennas and Propagation 2001, Boston MA, Volume: 3 , 8-13 July 2001, Page(s): 674 -677.
- CNF-293. Alex Margomenos, Dimitrios Peroulis, James P. Becker, and Linda P.B. Katehi, ***Novel Silicon Micromachined Package for RF MEMS Switches***, Silicon Monolithic Integrated Circuits in RF Systems, 2001. Digest of Papers. 2001 Topical Meeting on, 2001. pp. 33-36, Ann Arbor, MI, 12-14 September 2001, Page(s): 33 -36.
- CNF-294. Alex Margomenos, Dimitrios Peroulis, Katherine J. Herrick, and Linda P.B. Katehi, ***Silicon Micromachined Packages for RF MEMS Switches***, European Microwave Conference, 2001, pp. 100-103, London UK, September 2001.
- CNF-295. Dimitrios Peroulis, Sergio P. Pacheco, Kamal Sarabandi, and Linda P.B. Katehi, ***Alleviating the Adverse Effects of Residual Stress in RF MEMS Switches***, Proceedings of the European Microwave Symposium, Vol. 1, pp. 173-176, London UK, September 2001.
- CNF-296. Zhenqiang Ma, Saeed Mohammadi, Pallab Bhattacharya, Linda P. B. Katehi, George E. Ponchak, Samuel A. Alterovitz, Karl M. Strohm, Johann-Friedrich Luy, ***Si/SiGe Power Heterojunction Bipolar Transistors for Ku Band Applications***, Late news paper to 59th Device Research Conference Notre Dame Indiana June 25th-27th 2001.
- CNF-297. Zhenqiang Ma, Saeed Mohammadi, Pallab Bhattacharya, Linda P. B. Katehi, George E. Ponchak, Samuel A. Alterovitz, Karl M. Strohm, Johann-Friedrich Luy, ***A 350mW 12.6GHz Si/SiGe Power Heterojunction Bipolar Transistor***, IEDM 2001, Washington DC, June 2001.
- CNF-298. T. Ozdemir, K.F. Sabet, E. Yasan, M.C. Vega, J.L. Ebel, G.L. Creech, C.D. Lesniak, L.P.B. Katehi, K. Sarabandi, ***A Hybrid-Statistical Approach for Accurate Characterization of MEMS on Complex Platforms***, Antennas and Propagation Society, 2001 IEEE International Sym , Volume: 3 , 8-13 July 2001, Page(s): 666 -669.
- CNF-299. T. Ozdemir, K.F. Sabet, P. Frantzis, T. Chan, K. Sarabandi, L.P.B. Katehi, J.F. Harvey, ***Artificial Dielectrics for Mobile Antenna Design***, Antennas and Propagation Society, 2001 IEEE International Sym , Volume: 1 , 8-13 July 2001 Page(s): 434 -437.
- CNF-300. Rainee N. Simons, Kavita Goverdhanam and Linda P.B. Katehi, ***Novel Low Loss Wide-Band Multi-Port Integrated Circuit Technology for RF/Microwave Applications***, 3rd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, Ann Arbor, Michigan, September 2001, Page(s): 60 -63.
- CNF-301. Kavita Goverdhanam, Rainee N. Simons and Linda P.B. Katehi, ***Novel Vertical Interconnects with 180 Degree Phase Shift for Amplifiers, Filters, and Integrated***

- Antennas*, 3rd Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, Ann Arbor, Michigan, September 2001, Page(s): 201 -204.
- CNF-302. Zhenqiang Ma; S. Mohammadi, P. Bhattacharya, L.P.B. Katehi, S.A. Alterovitz, G.E. Ponchak, ***Power Performance of X-Band Si-Si_{0.75}Ge_{0.25}-Si HBTs***, Silicon Monolithic Integrated Circuits in RF Systems, 2001. Digest of Papers. 2001 Topical Meeting on , 12-14 Sept. 2001, Page(s): 170 -176.
- CNF-303. K.F. Sabet, T. Ozdemir, P. Frantzis, K. Sarabandi, L.P.B. Katehi, ***Compact Wireless Antennas Using an Artificial Dielectric Lens***, Aerospace Conference Proceedings, 2002. IEEE , Volume: 2 , 9-16 March 2002, Page(s): 2-931 -2-938 vol.2.
- CNF-304. Youngming Cai and Linda P.B. Katehi, ***Series Switch Compatible with CMOS Technology***, Digest of 2002 IEEE MTT-S International Microwave Symposium, Seattle, WA, June 2002.
- CNF-305. C. D. Sarris, Werner Thiel and Linda P.B. Katehi, ***Mixed Electromagnetic-Circuit Modeling for Rigorous Characterization of Cosite Interference in Wireless Communications Channels***, Review of Progress in Applied Electromagnetics, Digest of 2002 ACES Conference, Monterey, CA, March 2002.
- CNF-306. C. D. Sarris, L. P. B. Katehi, B. S. Perlman, ***Implementation of Dynamic Mesh Adaptivity in Wavelet-Based Time-Domain Simulations***, accepted for presentation in the 2002 Annual Review of Progress in Applied Computational Electromagnetics, ACES, Monterey, CA, March 2002.
- CNF-307. C. D. Sarris, L. P. B. Katehi, ***On the Application of Electromagnetic Boundary Conditions in Wavelet-Based Time-Domain Techniques***, Digest of the 2002 Progress in Electromagnetics Research Symposium, ACES, Monterey, CA, March 2002.
- CNF-308. Werner Thiel, Kelley Tornquist, Ronald Reano, and Linda P.B. Katehi, ***A Study of Thermal Effects in RF-MEM-Switches using a Time Domain Approach***, Digest of 2002 IEEE MTT-S International Microwave Symposium Digest, Seattle, WA, 2-7 June 2002, Page(s): 235 -238
- CNF-309. Werner Thiel and Linda P.B. Katehi, ***A Surface Impedance Approach for Modeling Multilayer Conductors in FDTD***, Digest of 2002 IEEE MTT-S International Microwave Symposium Digest, Seattle, WA, Volume: 2 , 2-7 June 2002, Page(s): 759 -762.
- CNF-310. Costas Sarris, Il-Suek Koh, Kamal Sarabandi, and Linda P. B. Katehi, ***A Hybrid Technique for Physics-Based Characterization of Cosite Interference for an Ad-hoc Network of VHF Transceivers in a Multi-Path Environment***, Digest of 2002 IEEE AP-S/URSI Conference, Austin Texas, June 2002.
- CNF-311. Ronald M. Reano, John F. Whitaker, and Linda P.B. Katehi, ***Resonant-cavity Magnetic-field Probe for Millimeter-wave Frequency Domain Spatial Field Mapping***, Digest of 2002 International Conference on Ultrafast Phenomena.

- CNF-312. R. M. Reano, W. Thiel, J.F. Whitaker, L.P.B. Katehi, ***Measured and simulated electric, magnetic, and thermal field distributions of a patch antenna operating at high power***, Antennas and Propagation Society International Symposium, 2002, IEEE , Volume: 2 , 16-21 June 2002, Page(s): 886 -889 vol.2.
- CNF-313. W. Chappell and L.P.B. Katehi, ***Composite Metamaterial Systems for Two Dimensional periodic structures***, Antennas and Propagation Society International Symposium, 2002. IEEE , Volume: 2 , 16-21 June 2002, Page(s): 384 -387 vol.2.
- CNF-314. Dimitrios Peroulis, Kamal Sarabandi, and Linda P.B. Katehi, ***Low Contact-Resistance Series MEMS Switches***, Digest of 2002 IEEE MTT-S International Microwave Symposium, Seattle, WA, 2-7 June 2002, Volume: 1 , Page(s): 223 - 226
- CNF-315. James P. Becker, Jack R. East, and Linda P.B. Katehi, ***Performance of a Silicon Micromachined Waveguide at W-Band***, submitted to IEEE MTT-S Transactions, January 2002.
- CNF-316. Yongshik Lee, J.P. Becker, J.R. East, L.P.B. Katehi, ***A Micromachined Finite Coplanar Line-to-Silicon Micromachined Waveguide Transition for Millimeter and Submillimeter Wave Applications***, Microwave Symposium Digest, 2002 IEEE MTT-S International , Volume: 3 , 2-7 June 2002, Page(s): 1871 -1874.
- CNF-317. W. Batty, C.E. Christoffersen, A.B. Yakovlev, John. F. Whitaker, M. Ozkar, S. Ortiz, Amir Mortazawi, Ronald M. Reano, Linda P.B. Katehi, C.M. Snowden and Michael B. Steer, ***Global Coupled EM-Electrical-Thermal Simulation and Experimental Validation for a Spatial Power Combining MMIC Array***, Digest of the 2002 IEEE MTT-S Int. Microwave Symposium, Seattle, WA, June 2002, Volume: 3 , 2-7 June 2002, Page(s): 2177 -2180
- CNF-318. Costas D. Sarris and Linda P. B. Katehi, ***Coupling Front Tracking and Wavelet Techniques for Fast Time Domain Simulations***, Digest of the 2002 IEEE MTT-S Int. Microwave Symposium, Seattle, WA, June 2002, Volume: 2 , 2-7 June 2002, Page(s): 747 -750.
- CNF-319. S. Mohammadi, Zhenqiang Ma, Jaehoon Park, P. Bhattacharya, L.P.B. Katehi, G.E. Ponchak, S.A. Alterovitz, K.M. Strohm, J.-F. Luy, ***SiGe/Si power HBTs for X- to K-band Applications***, Radio Frequency Integrated Circuits (RFIC) Symposium, 2002 IEEE , 2-4 June 2002, Page(s): 373 -376
- CNF-320. S. Mohammadi, Zhenqiang Ma, Jaehoon Park, P. Bhattacharya, L.P.B. Katehi, G.E. Ponchak, S.A. Alterovitz, K.M. Strohm, J.-F. Luy, ***SiGe/Si power HBTs for X- to K-band Applications***, Microwave Symposium Digest, 2002 IEEE MTT-S International , Volume: 1 , 2-7 June 2002, Page(s): 289 -292
- CNF-321. Rainee N. Simons, Donghoon Chun, and Linda P.B. Katehi, ***Polarization Reconfigurable Patch Antenna Using Microelectromechanical Systems (MEMS) Actuators***, Digest of the 2002 IEEE International Symposium on

Antennas and Propagation, San Antonio, TX, June 2002, Volume: 2 , 16-21
June 2002, Page(s): 6 -9.

- CNF-322. William Chappell, Xun Gong, and Professor Linda P.B. Katehi, ***Reduced Size Capacitive Defect EBG Resonators***, Digest of the 2002 IEEE MTT-S International Microwave Symposium, Seattle, WA.
- CNF-323. R.M. Reano, J.F. Whitaker, L.P.B. Katehi, ***Field-Tunable Probe for Combined Electric and Magnetic Field Measurements***, Microwave Symposium Digest, 2002 IEEE MTT-S International , Volume: 3 , 2-7 June 2002, Page(s): 1513 - 1516.
- CNF-324. Linda P.B. Katehi, ***Novel MEMS Devices and Silicon Micromachined Concepts for High Frequency Circuits***, Digest of the 2002 Symposium on Nano Device Technology, SNTD, Hinchu, Taiwan, R.O.C.
- CNF-325. Dimitris Peroulis, Alex Margomenos and Linda P.B. Katehi, ***RF MEMS and Si Micromachining in High Frequency Applications***, RAWCON 2002, (IEEE Radio and Wireless Conference, Boston, 11-14 August 2002, Page(s): 265 -268.
- CNF-326. Xun Gong, W.J. Chappell, L.P.B. Katehi, ***Reduced Size Capacitive Defect EBG Resonators***, Microwave Symposium Digest, 2002 IEEE MTT-S International , Volume: 2 , 2-7 June 2002, Page(s): 1091 -1094.
- CNF-327. Wai Y. Liu, Saeed Mohammadi, Linda P. S. Katehi and Michael B. Steer, ***Polymer-Membrane-Supported Fin-line Frequency Multipliers***, RAWCON 2002, (IEEE Radio and Wireless Conference, Boston, 11-14 August 2002, RAWCON 2002, Page(s): 281 -284.
- CNF-328. C. D. Sarris, W. Thiel, L.P.B. Katehi and B. S. Perlman, ***Hybrid Time-Domain Performance Analysis of Multi-Antenna Systems on Vehicular Platforms***, Digest of Microwave European Conference, Milan, Italy, September 2002.
- CNF-329. Linda P.B. Katehi, ***RF MEMS and Si Micromachining for High Frequency Applications***, Digest of 2002 MEMS Conference, Hilton Head, FL, June 2002.
- CNF-330. Linda P.B. Katehi, Katherine Herrick, and Tom Kihm, ***Interconnects for a Multi-Layer Three-dimensional Silicon Architecture***, Digest of 2002 URSI General Assembly, Netherlands, August, 2002.
- CNF-331. Linda P.B. Katehi and Barry Perlman, ***RF MEMS for High-Frequency Applications***, Digest of 2002 URSI General Assembly, Netherlands, August 2002.
- CNF-332. C.D. Sarris, W. Thiel, I.S. Koh, K. Sarabandi, L.P.B. Katehi and B.S. Perlman, ***Hybrid Time Domain Performance Analysis of Multi-Antenna Systems on Vehicular Platforms***, Digest of European Microwave Conference, pp. 1021-1024, September 23-27, 2002, Milan, Italy.
- CNF-333. W. Chappell, Chris Reiley, John Haloran and L.P.B. Katehi, ***High Frequency Applications of Two-Dimensional Periodic Structures***, Digest, European Microwave Conference, pp. 21-24, September 23-27, 2002, Milan, Italy.

- CNF-334. Alexandros Margomenos and Linda P.B. Katehi, ***DC to 40 GHz On-Wafer Package for RF MEMS Switches***, submitted for presentation in the Electrical Performance of Electronic Packaging Technical Committee, Monterey CA, 21-23 October 2002, Page(s): 91 -94
- CNF-335. Wai Y. Liu , Saeed Mohammadi, Linda P. B. Katehi, Hamed Khalkhali and Katsuo Kurabayashi, ***Polymer Micro-heat-pipe For InP/InGaAs Technologies***, EDMO2002- Electron Devices for Microwave and Optoelectronic Applications, 2002. EDMO 2002. The 10th IEEE International Symposium on , 18-19 Nov. 2002, Page(s): 143 -148
- CNF-336. Yongshik Lee and Linda P.B. Katehi, ***A Fully Packaged Finite Ground Coplanar Line-to-Silicon Micromachined Waveguide Transition***, Proceeding IEEE 9th Electrical Performance of Electronic Packaging Topical Meeting, p.p. 273-276, October 2002.
- CNF-337. Wai Y. Liu, S. Mohammadi, L.P.B. Katehi, M.B. Steer, ***Polymer-Membrane-Supported Fin-Line Frequency Multipliers***, Microwave and Millimeter Wave Technology, 2002. Proceedings. ICMMT 2002. 2002 3rd International Conference on , Aug. 17-19, 2002, Page(s): 154 -157
- CNF-338. Zhenqiang Ma, Saeed Mohammadi, Pallab Bhattacharya, Linda Katehi, Samuel A. Alterowitz, George E. Ponchak, Karl M. Strohm and Johann-Friedrich Luy, ***SiGe-Based Power HBTs for High-Frequency Microwave Power Amplification***, APMC2002, Kyoto, Japan, November 2002.
- CNF-339. Zhenqiang Ma, Saeed Mohammadi, Pallab Bhattacharya, Linda P. B. Katehi, Samuel A. Alterowitz, and George E. Ponchak, ***An 8.4 GHz SiGe/Si HBT-Based MMIC Power Amplifier***, Bipolar/BiCMOS Circuits and Technology Meeting, 2002, Proceedings of the 2002 , 29 Sept.-1 Oct. 2002, Page(s): 151 -154
- CNF-340. J.F. Whitaker, Kyoung Yang; R. Reano, L.P.B. Katehi, ***Electro-optic field mapping as a diagnostic tool for microwave circuits and antenna arrays***, Microwave Photonics, 2002. International Topical Meeting on , Nov 5-8, 2002, Page(s): 73 -76
- CNF-341. Linda P.B. Katehi and Dimitris Peroulis, ***Micro-Electrical-Mechanical Devices (MEMS) for RF Circuits***, GOMAC, 2003, March 31, 2003, Tampa, Florida.
- CNF-342. Werner Thiel, Kazem Sabet and Linda P.B. Katehi, ***A Hybrid MoM/FDTD technique for the Modeling of Multi-Antenna Systems on Vehicular Platforms for Wireless Communication Systems***, Digest of 2003 Advanced Computational Electromagnetics Symposium, Monterey, California, March 2003
- CNF-343. Peroulis, D.; Katehi, L.P.B.; ***A Novel Device for in Situ Experimental Characterization and Reliability Analysis of Dc-Contact RF MEMS switches*** TRANSDUCERS, Solid-State Sensors, Actuators and Microsystems, 12th International Conference on, 2003 , Volume: 1 Pages:867 – 870.

- CNF-344. Alexandros Margomenos, and Linda P. B. Katehi, ***Silicon Micromachined On-Wafer Package for RF MEMS***, 2003 Annual Collaborative Technology Alliance (CTA), ARL, Adelphi, Maryland, April 28-May 1, 2003.
- CNF-345. Wai Y. Liu, Saeed Mohammadi and Linda Katehi, ***Polymer Based Micro-heat-pipe for InP/InGaAs Technologies***, 2003 Annual Collaborative Technology Alliance (CTA), ARL, Adelphi, Maryland, April 28-May 1, 2003.
- CNF-346. Wai Y. Liu, Saeed Mohammadi and Linda Katehi, ***Polymer Micro-heat-pipe for InP/InGaAs Integrated Circuits***, Semiconductor Thermal Measurement and Management Symposium, 2003. Nineteenth Annual IEEE , March 11-13, 2003 Page(s): 82 -87.
- CNF-347. Michael Reiha, Tae-Young Choi, Jong-Hyeong Jeon, Saeed Mohammadi and Linda P.B. Katehi, ***High-Q Differential Inductors for RFIC Design***, TECHCON 2003, SRC, August 2003.
- CNF-348. Jayanthi Suryanarayanan, Wai Y. Liu, Jayesh Nath, Brian N. Johnson, Saeed Mohammadi, Linda P. B. Katehi and Michael B. Steer, ***Toroidal Inductors for Integrated Radio Frequency and Microwave Circuits***, Digest of the 2003 IEEE MTT-S International Symposium on Radio Frequency Integrated Circuits, Philadelphia, June 2003.
- CNF-349. Dimitrios Peroulis and Linda P. B. Katehi, ***Electrostatically-Tunable Analog RF MEMS Varactors with Measured Capacitance Range of 400%***, Digest of the 2003 IEEE International Symposium on Microwave Theory and Techniques, Philadelphia, June 2003.
- CNF-350. Werner Thiel, Linda P.B. Katehi and Kazem Sabet, ***A Hybrid Approach for Modeling Complex Antenna Systems on Vehicular Platforms***, Digest of the 2003 IEEE International Symposium on Microwave Theory and Techniques, Philadelphia, June 2003.
- CNF-351. Alexandros Margomenos, and Linda P. B. Katehi, ***High Frequency Parasitic Effects for On-Wafer Packaging of RF MEMS Switches***, Digest of the 2003 IEEE International Symposium on Microwave Theory and Techniques, Philadelphia, June 2003.
- CNF-352. William J. Chappell, Xun Gong, Linda P.B. Katehi , ***Narrow Ka Bandpass Filters Using Periodically Loaded Substrates***, Digest of the 2003 IEEE International Symposium on Microwave Theory and Techniques, Philadelphia, June 2003.
- CNF-353. Michael T. Reiha, Tae-Young Choi, Jong-Hyeong Jeon, Saeed Mohammadi and Linda P.B. Katehi, ***High-Q Differential Inductors for RFIC Design***, Digest of the 2003 European Microwave Conference, Munich, Germany, October 2003.
- CNF-354. Jong-Hyeong Jeon, E.J. Emigdio, M.T. Reiha, Saeed Mohammadi and Linda P.B. Katehi, ***The Effect of Low-K Dielectrics on RFIC Inductors***, Digest of the 2003 European Microwave Conference, Munich, Germany, October 2003

- CNF-355. Ronald M. Reano, Dimitrios Peroulis, and John F. Whitaker, ***Electro/thermal Measurements of RF MEMS Capacitive Switches***, Digest of the 2003 IEEE International Symposium on Microwave Theory and Techniques, Philadelphia, June 2003.
- CNF-356. Werner Thiel, Kazem Sabet and Linda P.B. Katehi, ***A Hybrid MoM/FDTD Approach for an Efficient Modeling of Complex Antennas on Mobile Platforms***, Digest of 2003 International Conference of the European Microwave Symposium, Munich, Germany, October 2003.
- CNF-357. H. Khalkhali, S. Mohammadi, L.P.B. Katehi, K. Kurabayashi, “ Design and Analysis of Micromachined Thermosyphon for Cooling of High-Power InP HBT Circuits”, ***IMECE*** 2003: 2003 ASME International Mechanical Engineering Congress, Washington, D.C., USA, November 15-21
- CNF-358. X. Gong, W. J. Chappell, L. P. Katehi, ***Embedded Radiating Filters in Metamaterial Substrates***, Digest of the 2003 IEEE International Symposium on Antennas and Propagation, Columbus, OH, June 2003.
- CNF-359. Yongming Cai and Linda Katehi, ***MEMS Shunt-Series Switch Complementary Circuit***, 2004, Wireless and Microwave Technology Conference 2004, April 14-15 2004, Clearwater, Florida.
- CNF-360. Y. Lee, J. East, L. P.B. Katehi, ***Micromachined Millimeter-Wave Power Combining Modules***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-361. X. Gong, L. P.B. Katehi and W. Chappell, ***Laser-Based Polymer Stereolithography of vertically Integrated Narrow Bandpass Filters Operating in the K-Band***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-362. X. Gong, A. Margomenos, W. Chappell and L.P.B. Katehi, ***High-Q Evanescent Mode Filters using Silicon Micromachining and Polymer Stereolithography (SL) Processing***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-363. L. I. Harle and L.P.B. Katehi, ***A Horizontally Integrated Micromachined Filter***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-364. D. Peroulis, L.P.B. Katehi and Y. Lu, ***Low Cost Highly Reliable Analog MEMS Varactors***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-365. D. H. Weon, J-H. Jeon, J-I. Kim, S. Mohammadi and L.P.B. Katehi, ***High-Q Integrated 3-D Inductors and Transformers for RHC Applications***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.

- CNF-366. K. Y. Lee, B. Johnson, P. Bhattacharya, S. Mohammadi and L. P.B. Katehi, ***High Yield Reduced Process Tolerance Self-Aligned Double Mesa Process Technology for SiGe Power Heterojunction Bipolar Transistors***, Digest of the 2004 IEEE International Symposium on Microwave Theory and Techniques, Forth Worth, Texas, June 7-12 2004.
- CNF-367. Linda P.B. Katehi et. al., ***A New Framework for Academic reform in Engineering Education***, 2004 ASEE Annual Conference and Exposition, June 20-23, 2004, Salt lake City, Utah.
- CNF-368. Xun Gong, Bosui Liu, Linda P.B. Katehi and William J. Chappell, ***Layer-by-Layer Stereolithography (SL) of Complex medium***, Digest of the 2004 IEEE International Symposium on Antennas and Propagation, Monterey, CA, June 2004, pp: 325-328.
- CNF-369. D. Peroulis, S. Mohammadi and L.P.B. Katehi, ***High-Q Integrated Passive Elements for High Frequency Applications***, Proceedings of the 2004 Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, 8-10 September 2004, Atlanta, GA, pp. 25-28.
- CNF-370. K-Y. Lee, B. N. Johnson, S. Mohammadi, P. K. Bhattacharya, L.P.B. Katehi and G. Ponchak, ***An 8.5 GHz SiGe-Based Amplifier Using Fully Self-Aligned Double Mesa SiGe HBTs***, Proceedings of the 2004 Topical Meeting on Silicon Monolithic Integrated Circuits in RF Systems, 8-10 September 2004, Atlanta, GA, pp. 311- 313.
- CNF-371. A. Margomenos, L.P.B. Katehi, ***Ultra-Wideband Three-Dimensional Transitions for On-Wafer Packages***, European Microwave Conference, September 2004.
- CNF-372. Linda P.B. Katehi, Dimitris Peroulis and Saeed Mohammadi, ***MEMS Devices and High-Q Micromachined Passives for High Performance, High-Frequency Circuits***, Asian Pacific Conference, Delhi, India, December 12-16, 2004
- CNF-373. Linda P.D. Katehi, ***Three-Dimensional Circuits for Compact, Reconfigurable, and Multifunctional Systems***, Invited Presentation, Jack S. Kilby Lecture Series, GOMACTech 2005, Intelligent Technologies, April 4-7, 2005, Las Vegas, Nevada.
- CNF-374. D. Peroulis, L.P.B. katehi, Y. Lu, ***Packaging Technology for RF MEMS Switches***, GOMACTech 2005, Intelligent Technologies, April 4-7, 2005, Las Vegas, Nevada.
- CNF-375. K. Herrick, A. Margomenos, R. Lahiji, Y. Lee, S. Mohammadi and L.P.B. Katehi, ***Packaging and Transitions for Intelligent Microsystems***, GOMACTech 2005, Intelligent Technologies, April 4-7, 2005, Las Vegas, Nevada.
- CNF-376. D. Weon, J. Kim, J. Jeon, S. Mohammadi and L.P.B. Katehi, ***High-Performance Micromachined Inductors on CMOS Substrate***, 2005 IEEE

International Microwave Symposium, June 12-17, 2005, Long Beach, California.

- CNF-377. J. Kim, D. Weon, J. Jeon, S. Mohammadi and L.P.B. Katehi, ***Design of Toroidal Inductors Using a Stress-Metal Technology***, 2005 IEEE International Microwave Symposium, June 12-17, 2005, Long Beach, California.
- CNF-378. Y. Lu, L.P.B. Katehi and D. Peroulis, ***A Novel MEMS Impedance Tuner Simultaneously Optimized for Maximum Impedance Range and Power Handling***, 2005 IEEE International Microwave Symposium, June 12-17, 2005, Long Beach, California.
- CNF-379. Barry Perlman, Linda Katehi, Arthur Ballato, Dimitris Peroulis and William Chappell, ***Nanotechnology and Active Thin Films, Miniaturization and High-Density Integration for Compact RF Components and Agile Systems***, 2005 U.S. Army Workshop "Advanced Active Thin Film Materials For The Next Generation Of Meso - Micro Scale Army Applications" Hilton Sandestin Beach Golf Resort & Spa Destin, FL, May 10-12, 2005.
- CNF-380. Linda Katehi, and Barry Perlman, ***Miniaturization and High-Density Integration for Compact RF System***, Mediterranean Microwave Symposium, MMS'2005, Athens, Greece in September 6-8, 2005.
- CNF-381. Saeed Mohammadi, Barry Perlman and Linda P.B. Katehi, ***High Performance Inductors on CMOS Substrate for High-Frequency Applications***, International Conference on Electromagnetics in Advanced Applications, ICEAA '05 and The European Electromagnetic Structures Conference, September 12-16, 2005, Torino, Italy,
- CNF-382. T.Y. Choi, H.I. Lee, L.P.B. Katehi and S. Mohammadi, ***A Low Phase Noise 10 GHz, VCO in 0.18 mm CMOS Process***, European Microwave Week 2005, October, Paris, France.
- CNF-383. R. Lahiji, K. Herrick, S. Mohammadi and L.P.B. Katehi, ***Low Loss Multi-Wafer Vertical Interconnects for Three-Dimensional Integrated Circuits***, European Microwave Week 2005, October, Paris, France.
- CNF-384. H.I. Lee, Y. Choi, S. Mohammadi and L.P.B. Katehi, ***An Extremely Low Power 2GHz CMOS LC VCO for Wireless Communication Applications***, European Microwave Week 2005, October, Paris, France.
- CNF-385. K.Y. Lee, S. Mohammadi, P. Bhattacharya and L.P.B. Katehi, ***Scalable Compact Model for Embedded Passive***, European Microwave Week 2005, October, Paris, France.
- CNF-386. Linda P.B. Katehi and Barry Perlman, ***Microwave Engineering Education – A US Perspective***, European Microwave Week 2005, October, Paris, France.
- CNF-387. Dae-Hee Weon, Linda P.B. Katehi, and Saeed Mohammadi ***3-D Integrated Inductors and Transformers on Liquid Crystal Polymer Substrate***, 2006 IEEE

International Microwave Symposium, June 12-17, 2006, San Francisco, California.

- CNF-388. R. R. Lahiji, K. J. Herrick, Y. Lee, A. Margomenos, S. Mohammadi, L. P. B. Katehi, ***Multi-wafer Vertical Interconnects for Three Dimensional Integrated Circuits***, IEEE Trans. on Microwave Theory & Techniques, Vol.54, pp.2699-2706, June 2006.
- CNF-389. Alexandros Margomenos, Adam Webb¹, Michael Thiel, and Linda P.B. Katehi, ***Silicon Micromachined Antennas for Digital Beam Forming Applications***, Mediterranean Microwave Symposium, MMS'2006, Genova, Italy, Genova, Italy, September 19-21, 2006.
- CNF-390. Alexandros Margomenos, Yongshik Lee, Alok Jain, Dimitris Peroulis, and Linda P.B. Katehi, ***Wideband Micromachined Transitions for MEMS Tunable High-Q Filters***, 2006 European Microwave Week, London, UK, 2006.
- CNF-391. Linda Katehi, Barry Perlman, William Chappell, Saeed Mohammadi, Michael Steer, ***Three-Dimensional Integration and On-Wafer Packaging for Heterogeneous Wafer-Scale Circuit Architectures***, 25th Army Science Conference, Orlando, FL, 27-30 November 2006.
- CNF-392. Linda Katehi and Dimitris Peroulis, ***RF MEMS Circuits for High-Frequency Applications***, Asian Pacific Conference, Tokyo Japan, December 12-15, 2006.
- CNF-393. Xin Wang, Linda P.B. Katehi, and Dimitrios Peroulis, ***Time-Domain Impedance Adaptors for Pulse-Based Systems with High Q RC Loads***, 2007 IEEE International Microwave Symposium, Honolulu, Hawaii, June 3-8, 2007.
- CNF-394. Xin Wang, Linda P.B. Katehi, and Dimitrios Peroulis, ***Time-Varying Matching Networks for Antennas in Pulse-Based Systems***, 2007 International Antennas and Propagations Symposium, Honolulu, Hawaii, June 11-15, 2007.
- CNF-395. Xin Wang, Linda Katehi, Dimitris Peroulis and Barry Perlman, ***Three Dimensional Integration and On-Wafer Packaging of Signal Centric Sensors for Ultra Wideband Systems***, 2007 International Antennas and Propagations Symposium, Honolulu, Hawaii, June 11-15, 2007.
- CNF-396. A. Jain, J. Munn, A. Kuo, K. Sabet, A. Margomenos, and L.P.B. Katehi, ***Manufacturable Wafer-Scale Microstrip Patch Antennas***, 2007 International Antennas and Propagations Symposium, Honolulu, Hawaii, June 11-15, 2007.
- CNF-397. Alexandros Margomenos, Yongshik Lee, Andrew Kuo, Alok Jain, Jiyun Munn, Kazem Sabet, Linda P.B. Katehi, ***K and Ka-Band Silicon Micromachined Evanescent Mode Resonators***, 2007 EuMC, Munich, Germany, October 2007.
- CNF-398. Rosa R. Lahiji, Hasan Sharifi, Saeed Mohammadi, Linda P.B. Katehi, ***On the Study of Paralene-N for Millimeter-Wave Integrated Circuits and Systems***, submitted to APM2007, October 2007.
- CNF-399. Linda P.B. Katehi, ***The US Public Research University: A Mission at Risk***, The World University Forum, Davos, Switzerland, January 26-29, 2008.

- CNF-400. Linda P.B. Katehi, ***The Role of Interdisciplinary Scholarship in the Public Research University: Barriers and Opportunities***, World University Forum, Davos, Switzerland, January 26-29, 2008.
- CNF-401. Linda P.B. Katehi, ***Advanced Component Architectures for Detection and Communication Systems***, IEEE Conference on Communication on the Move and Advanced Systems (COMCAS), Tel Aviv, May 10-14, 2008.
- CNF-402. Hao Han Hsu, Xin Wang, Xiaoguang Liu, Wesley Allen, Linda P.B. Katehi and Dimitrios Peroulis, ***Frequency- and Time-Domain Adaptive RF Front-Ends and Antennas***, , IEEE Conference on Communication on the Move and Advanced Systems (COMCAS), Tel Aviv, May 10-14, 2008.
- CNF-403. Linda P.B. Katehi, ***Aligning the Preparation of Graduate Students for Early Faculty Careers***, Madison, Wisconsin, June 5-6, 2008.
- CNF-404. Xiaoquanq Liu, L. Katehi and D. Peroulis, ***MEMS Liquid Metal Through-Wafer Microstrip-to-Microstrip Transition***, Microwave Symposium Digest, 2008, IEEE MTT-S International Symposium, June 2008, pp: 41-44.
- CNF-405. Linda P.B. Katehi and Stig Lanneskog, ***From Strategic Vision to Implementation: Leading Large Scale Change at the University of Illinois***, National Consortium for Continuous Improvement, Chicago, Illinois, July 11, 2008.
- CNF-406. K. Welty, L. Katehi and G. Pearson and M. Feder, ***Analysis of K-12 Engineering Education Curricula in the United States-A Preliminary Report***, Proceeding of the American Society for Engineering Education Annual Conference and Exposition, Pittsburg, PA, 2008.
- CNF-407. Xin Wang, L.P. Katehi and D. Peroulis, ***Time-Varying Matching for Receiving Wideband Pulse Through Electrically Small Antennas***, International Symposium of Antennas and Propagation Society, July 2008, pp.1-4.
- CNF-408. Xin Wang, Hao-Han Hsu, Xiaoguang Liu, Wesley N. Allen, Linda P. B. Katehi, and Dimitrios Peroulis, ***Frequency- and Time- Domain Adaptive RF Front-ends and Antennas***, 2008 IEEE International Conference on Microwaves, Communications, Antennas and Electronic Systems, Israel, Aug. 2008
- CNF-409. R. R. Lahiji, L. P.B. Katehi, S. Mohammadi, ***A Distributed Analogue CMOS Phase Shifter with Shielded Transmission Line***, 2008 Microwave Conference, 2008 EUMC, 38th European Conference, Oct. 2008, pp: 817-820.
- CNF-410. Rosa Lahiji, Hasan Sharifi, Saeed Mohammadi, and Linda Katehi, ***Low-Loss Coplanar Waveguide Transmission Lines and Vertical Interconnects on Multi-Layer Parylene-N***, IEEE, MTT-S, SiRF 2009, San Diego, January 2009, pp: 1-4.
- CNF-411. James Duderstadt, Gary Was, Robert McGrath, Mark Munro, Michael Contradini, Linda Katehi, Rick Shangraw and Andrea Sarzynski, ***Energy***

Discovery Innovation Institutes: A Step Toward America's Energy Sustainability, Washington DC: Brookings Institute, February, 2009.

- CNF-412. H. Sharifi, R. R. Lahiji, H.-C. Lin, P. D. Ye, S. Mohammadi, L. P. B. Katehi, *Characterization of Parylene-N as Flexible Substrate and Passivation Layer for Microwave and Millimeter-Wave Integrated Circuits*, IEEE Trans. on Advanced Packaging, Vol. 32, No. 1, pp. 84-92, Feb. 2009.
- CNF-413. Linda Katehi, *Modern International Research Groups: Networks and Infrastructure*, American Physical Society, 2009 AP-S Meeting, Vol 54, Number 4, May 2009, Denver, Colorado.
- CNF-414. R.R. Lahiji, H. Sharifi, L. Katehi, S. Mohammadi, *Design and Implementation of a Novel Three Dimensional CMOS Low Noise Amplifier with Transmission Lines on Paralyne-N*, 2009 Microwave Symposium Digest, 2009 MTT-S, IEEE MTT-S International, June 2009, pp: 589-592.
- CNF-415. Xiaoguang Liu, L. P.B. Katehi, W.J. Chappell and D. Peroulis, *A 3.4-6.2 GHz, Continuously Tunable Electrostatic MEMS Resonator with Quality Factor of 460-530*, 2009 Microwave Symposium Digest, 2009 MTT-S, IEEE MTT-S International, June 2009, pp: 1149-1152.
- CNF-416. Xin Wang, L.P.B. Katehi and D. Peroulis, *A Time Varying Matching Scheme for Pulse-Based High-Q Receivers*, 2009 Microwave Symposium Digest, 2009 MTT-S, IEEE MTT-S International, June 2009, pp: 837-840.
- CNF-417. Xiaoguang Liu, L. P.B. Katehi, W.J. Chappell and D. Peroulis, *Power Handling Capability of High-Q Evanescent Mode RF MEMS Resonators with Flexible Diaphragm*, 2009 Microwave Conference, APMC 2009, Asia Pacific, Dec 2009, pp: 194-197.
- CNF-418. Xiaoguang Liu, L. P.B. Katehi, and D. Peroulis, *Non-Toxic, Liquid Metal Microstrip Resonators*, 2009 Microwave Conference, APMC 2009, Asia Pacific, Dec 2009, pp: 131-134
- CNF-419. Linda P.B. Katehi, *Safeguarding the Future: A Call for Renewed Commitment to Public Higher Education in Challenging Economic Times*, The World University Forum, Davos, Switzerland, January 9-12, 2010.
- CNF-420. Xiaoguang Liu, Kenle Chen, Linda P. B. Katehi, William J. Chappell, and Dimitrios Peroulis, *System-level Characterization of Bias Noise Effects on Electrostatic RF MEMS Tunable Filters*, accepted to 2011 International Conference on Micro Electro Mechanical Systems (MEMS), Mexico, 2011.

