

Pradeep Lall

John and Anne MacFarlane Endowed Distinguished Professor & Director

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Biography



Pradeep Lall

John and Anne MacFarlane Endowed Distinguished Professor, Department of Mechanical Engineering

Courtesy Joint Appointment in Department of Electrical and Computer Engineering

Courtesy Joint Appointment in Department of Finance

Technical Council and Governing Council of NextFlex

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Pradeep Lall is the MacFarlane Endowed Distinguished Professor in the Department of Mechanical Engineering with a Courtesy Joint Appointment in the Department of Electrical and Computer Engineering and a Courtesy Joint Appointment in the Department of Finance. He serves on the Technical Council and Governing Council of NextFlex Manufacturing Institute, and is Director of the NSF Center for Advanced Vehicle and Extreme Environment Electronics at Auburn University. He is author and co-author of 2-books, 14 book chapters, and over 600 journal and conference papers in the field of semiconductor packaging, electronics design, reliability, safety, energy efficiency, and survivability. Dr. Lall is a fellow of the ASME, a fellow of the IEEE, a fellow of the NextFlex National Manufacturing Institute, and a fellow of the Alabama Academy of Science. He is recipient of the Auburn University Research Advisory Board's Advancement of Research and Scholarship Achievement Award, IEEE Sustained Outstanding Technical Contributions Award, NSF-IUCRC Association's Alex Schwarzkopf Award, Alabama Academy of Science Wright A, Gardner Award, IEEE Exceptional Technical Achievement Award, ASME-EPPD Applied Mechanics Award, SMTA's Member of Technical Distinction Award, Auburn University's Creative Research and Scholarship Award, SEC Faculty Achievement Award, Samuel Ginn College of Engineering Senior Faculty Research Award, Three-Motorola Outstanding Innovation Awards, Five-Motorola Engineering Awards, and over Thirty Best-Paper Awards at national and international conferences. Dr. Lall has served in several distinguished roles at national and international level including serving as member of National Academies Committee on Electronic Vehicle Controls, Member of the IEEE Reliability Society AdCom, IEEE Reliability Society Representative on the IEEE-USA Government Relations Council for R&D Policy, Chair of Congress Steering Committee for the ASME Congress, Member of the technical committee of the European Simulation Conference

Recent Posts

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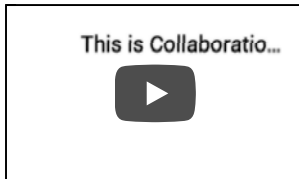
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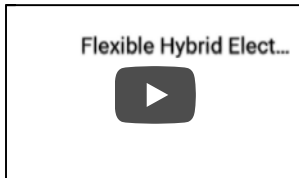
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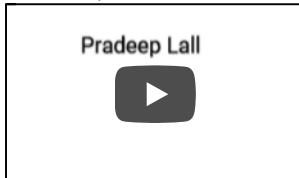
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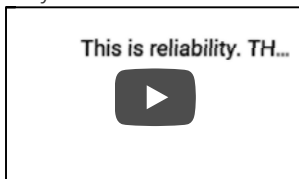
What is Flexible Electronics?
(source:
www.manufacturing.gov/fhe-mii.html)



Creative Research and Scholarship Award



Invention: Measurements using X-ray MicroCT



EuroSIME, Associate Editor for the IEEE Access Journal, and Associate Editor for the IEEE Transactions on Components and Packaging Technologies. Dr. Lall is the founding faculty advisor for the SMTA student chapter at Auburn University and member of the editorial advisory board for SMTA Journal. He received the M.S. and Ph.D. degrees in Mechanical Engineering from the University of Maryland and the M.B.A. from the Kellogg School of Management at Northwestern University.

Selected Awards and Honors

- Fellow of the NextFlex National Manufacturing Institute on Flexible Electronics (2019)
- Auburn University Research Advisory Board's Advancement of Research and Scholarship Achievement Award (2018).
- IEEE Sustained Outstanding Technical Contributions Award (2018)
- NSF-IUCRC Alex Schwarzkopf Prize for Technology Innovation (2016)
- Samuel-Ginn College of Engineering Senior Faculty Research Award (2016)
- Wright A. Gardner Award, Alabama Academy of Sciences (2016)
- IEEE-CPMT Exceptional Technical Achievement Award (2014)
- Fellow of the Alabama Academy of Sciences (2014)
- ASME Applied Mechanics Award, American Society of Mechanical Engineers, (2013)
- Recipient of Member of Technical Distinction Award, Surface Mount Technology Association, SMTA (2013).
- Creative Research and Scholarship Award, Auburn University (2013)
- SEC Faculty Achievement Award (2013)
- Fellow of IEEE (2012)
- Member, National Academies Committee, Electronic Vehicle Controls and Unintended Acceleration (2010)
- Fellow of the ASME, (2008).

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Nov 28,



Pradeep Lall, MacFarlane Endowed Professor at Auburn University, left, receiving the Outstanding Sustained Contributions Award from Avram Bar-Cohen, President of IEEE Electronic Packaging Society at ECTC 2018 in San Diego; eng.auburn.edu/news/2018/06/

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