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Auditorium

Future Research Directions at HP Labs

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Abstract

HP Labs is the central research arm for Hewlett Packard Corporation. With 600 researchers in 23 labs in 7 worldwide locations, the mission of HP Labs is to perform fundamental research on areas that are beyond the roadmap of HP's current products and services. HP Labs has recently gone through a significant transformation with an emphasis on large-scale, collaborative, high-impact research, technology transfer to its commercial business units, and open innovation in partnership with universities, companies and government agencies. This talk will provide an overview of the future research directions at HP Labs around eight high-impact research themes: (1) Digital Commercial Print (2) Content Transformation (3) Immersive Interaction (4) Information Explosion (5) Analytics (6) Cloud Computing (7) Intelligent Infrastructure and (8) Sustainability.

Biography

Prith Banerjee is senior vice president of research at HP and director of HP Labs, the company's central research organization. In these roles, he assists the HP executive vice president of strategy and technology in charting technical strategies for the company, and he heads HP Labs, which has seven locations worldwide. Most recently, he was Dean of the College of Engineering at the University of Illinois at Chicago. He also is the founder, chairman and chief scientist of BIN-ACHIP Inc., a developer of products and services in electronic design automation. His research interests are in very-large-scale integration (VLSI) computer-aided design, parallel computing and compilers, and he is the author of about 300 research papers in these areas. Banerjee currently serves on the Computer Science Advisory Board of the National Academy of Engineering and the advisory board for the Anita Borg Institute for Women and Technology. He received a Bachelor of Technology in electronics and electrical engineering from the Indian Institute of Technology in Kharagpur, India in 1981, and a Master of Science and Ph.D. in electrical engineering from the University of Illinois at Urbana-Champaign in 1982 and 1984 respectively.

For the full-text of Prith Banerjee's biography please go to:
http://www.eecs.berkeley.edu/Colloquium/Archives/09-10/Fall2009/banerjee.shtml

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