Association for Computing Machinery

Advancing Computing as a Science & Profession

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MOBICOM'14 REPRESENTS NEW GENERATION OF MOBILE COMPUTING RESEARCHERS

ACM Conference Program Ranges from Deep Research to Budding Startups

Maui, September 8, 2014 — MobiCom, the annual conference of ACM's Special Interest Group on Mobility of Systems, Users, Data and Computing (SIGMOBILE), is celebrating its 20th anniversary by highlighting the latest pioneering work in mobile computing and wireless networking. The conference, from Sept. 7-11 at the Westin Maui Resort and Spa, is one of ACM's most selective forums for the world's leading researchers on wireless networks and mobile systems. The foundational research presented at MobiCom often improves every aspect of mobile systems and wireless networks, and helps start up new businesses. Organizers have designed a program that celebrates its many accomplishments while maintaining its focus on deep research that speeds up translation of innovations to products with novel elements.

A key strength of MobiCom, demonstrating concepts with detailed prototypes, takes an upward slope with more peer-reviewed papers (36 selected out of 220 submitted) presented than ever before. These papers will demonstrate sophisticated, fully-operational prototypes in a highly anticipated contest. The conference also boasts a mobile app competition, thereby becoming a budding ground for innovations in the mobile app space.

The conference is taking a leadership role in shaping what academic institutions do with their innovations by holding a 'Startup Pitch Contest' to be judged by Silicon Valley venture capitalists and entrepreneurs. The event will evaluate multiple startup ideas, grill them the VC way, and invite the winner to their Silicon Valley offices for a pitch in front of the "shark pool."

To embolden rookie entrepreneurs, Sanjit Biswas will deliver the first keynote, "From Grad School to Startup to Acquisition." startup, Meraki Networks, was inspired by his MIT graduate research project Roofnet, presented in part at MobiCom '05. Meraki was acquired by Cisco in 2012.

The second keynoter is Jeff Gehlhaar, technology vice president for Qualcomm Research, on "The Future of Mobile Computing." He leads the engineering team developing Qualcomm's Zeroth processor for brain-inspired computing, pursuing fundamental research into machine learning, neural networks, spiking sensors and novel hardware and software architectures to support this next advance in computing.

Dr. Leonard Kleinrock, SIGMOBILE's 2014 Outstanding Contribution Award winner, will present a keynote address titled "Some of My Simple Results." A professor at UCLA, Kleinrock is considered a father of the Internet for developing the mathematical theory of packet networks, the technology underpinning the Internet. He is a recipient of numerous awards and honors including the National Medal of Science, the highest honor for achievement in science bestowed by the President of the United States.

The final keynoter is Kit Colbert, Chief Technology Officer of End-User Computing at VMware, on "BYOzzzz: Focusing on the Unsolved Challenges of Mobility, An Industry Perspective." He drives technical

strategy and advanced development of innovative solutions for VMware's desktop, social, and mobility products.

Conference panels include “Tackling Societal Grand Challenges with Mobile Computing,” and “Applying the Lessons Learnt for Navigating the Future - A Conversation with Pioneers.”

For conference registration and program information, go to http://www.sigmobile.org/mobicom/2014/.

About ACM SIGMOBILE

ACM SIGMOBILE www.sigmobile.org promotes research and development by bringing together researchers and practitioners and fostering interest in the mobility of systems, users, data, and computing. Its activities aim to expand the evolution of portable computers and wireless networks; support the convergence of mobility, computing, and information organization; and improve access, services, management, and applications for mobile computing and communications.

About ACM

ACM, the Association for Computing Machinery www.acm.org, is the world’s largest educational and scientific computing society, uniting computing educators, researchers and professionals to inspire dialogue, share resources and address the field’s challenges. ACM strengthens the computing profession’s collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.

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