

## University of California, Irvine Delegation Visit

Saturday, March 21 – Wednesday, March 25

### Leadership Bios

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#### **Prof. Gregory N. Washington**

The Stacey Nicholas Dean of Engineering

**The Henry Samueli School of Engineering, UC Irvine**

Dean Gregory N. Washington, Ph.D., joined The Henry Samueli School of Engineering in August 2011. Prior to his arrival at UC Irvine, he served as the interim dean for the College of Engineering at The Ohio State University, where he provided visionary leadership, oversight and management for one of the nation's largest and highest ranked engineering programs.

He joined the faculty at OSU in 1995, became the associate dean for research in 2005 and then was appointed interim dean in 2008. As a professor of mechanical engineering, his research is in the design and control of smart material systems, the design and control of hybrid electric vehicles and the design of smart electromagnetic systems.

Washington has been involved in multidomain research for the last 20 years. His core area of interest lies in the area of dynamic systems, with an emphasis on modeling and control of smart material systems and devices. He has been involved in the design and control of mechanically actuated antennas, advanced automotive systems incorporating smart materials, hybrid electric vehicles, and structural position and vibration control with smart materials.

He has conducted research for a host of organizations including the National Science Foundation (NSF), NASA, General Motors Company, the Air Force Research Laboratory and the U.S. Army Research Office; and has served as a member of the U.S. Air Force Scientific Advisory Board, NSF Engineering Advisory Committee, Institute for Defense Analyses and numerous other boards.

Washington accumulated a long list of research and teaching awards from OSU, including the Alumni Award for Distinguished Teaching, the Harrison Faculty Award for Excellence in Engineering Education and the Lumley Research Award. He also is the recipient of the NSF Faculty Early Career Development (CAREER) Award. Washington holds bachelors, masters and doctoral degrees in mechanical engineering from North Carolina State University.



### **Fadi J. Kurdahi**

Associate Dean for Graduate and Professional Studies  
Professor, Electrical Engineering and Computer Science  
Professor (Joint Appointment), Donald Bren School of Information and Computer Science

**UCI Samueli School of Engineering**

#### **Research Interests**

VLSI System Design and Design Automation of Digital Systems

**URL:** [www.eng.uci.edu/faculty/kurdahi/fadi.html](http://www.eng.uci.edu/faculty/kurdahi/fadi.html)

Fadi Kurdahi received his PhD from the University of Southern California in 1987. Since then, he has been a member of the faculty at the Department of Electrical & Computer Engineering at UCI, where he conducts research in the areas of Computer Aided Design of VLSI circuits, high-level synthesis, and design methodology of large scale systems, and serves as the Associate Director for the Center for Embedded Computer Systems (CECS).

He was Associate Editor for IEEE Transactions on Circuits and Systems II from 1993 to 1995, Area Editor in IEEE Design and Test for reconfigurable computing, and served as program chair, general chair or on program committees of several workshops, symposia and conferences in the area of CAD, VLSI, and system design. He received the best paper award for the IEEE Transactions on VLSI in 2002, the best paper award in 2006 at ISQED, and other distinguished paper awards at DAC, EuroDAC and ASP-DAC. He is a Fellow of the IEEE.



### **Mohammad Al Faruque**

Associate Professor, Electrical Engineering and Computer Science

**The Henry Samueli School of Engineering**

Mohammad Al Faruque is currently with the University of California Irvine (UCI), where he is an associate professor (with tenure) and directing the Cyber-Physical Systems Lab. Prof. Al Faruque is the recipient of the School of Engineering Mid-Career Faculty Award for Research 2019, the IEEE Technical Committee on Cyber-Physical Systems Early-Career Award 2018, and the IEEE CEDA Ernest S. Kuh Early Career Award 2016. He is also the recipient of the UCI Academic Senate Distinguished Early-Career Faculty Award for Research 2017 and the School of Engineering Early-Career Faculty Award for Research 2017. He served as an Emulex Career Development Chair from October 2012 till July 2015. Before, he was with Siemens Corporate Research and Technology in Princeton, NJ.

His current research is focused on the system-level design of Internet-of-Things (IoT), Embedded Systems, and Cyber-Physical-Systems (CPS) with special interests on design automation methodologies, data-driven modeling techniques including machine learning for

design, CPS security, etc. His work involves novel hardware and software design for various CPS application areas, including Industry 4.0 (manufacturing), smart-grid, and autonomous vehicles.

[The AICPS lab is currently looking for highly motivated Ph.D. students and postdoctoral researchers. If you are interested in the above-mentioned research areas and meet the admission criteria of UCI then contact [alfaruqu@uci.edu](mailto:alfaruqu@uci.edu)]

Prof. Al Faruque received his B.Sc. degree in Computer Science and Engineering (CSE) from Bangladesh University of Engineering and Technology (BUET) in 2002, and M.Sc. and Ph.D. degrees in Computer Science from Aachen Technical University and Karlsruhe Institute of Technology, Germany in 2004 and 2009, respectively. Prof. Al Faruque received the Thomas Alva Edison Patent Award 2016 from the Edison foundation, the 2016 DATE Best Paper Award, the 2015 DAC Best Paper Award, the 2009 IEEE/ACM William J. McCalla ICCAD Best Paper Award, the 2016 NDSS Distinguished Poster Award, the 2008 HiPEAC Paper Award, the 2015 Hellman Fellow Award, the 2015 Kane Kim Fellowship Award, the 2017 ICCAD Best Paper Award Nomination, the 2017 DAC Best Paper Award Nomination, the 2012 DATE Best IP Award Nomination, the 2005 DAC Best Paper Award Nomination, the EECS Professor of the year 2015-16 Award, and the 2015 UCI Chancellor's Award for Excellence in Fostering Undergraduate Research. Besides 100+ IEEE/ACM publications in the premier journals and conferences, Prof. Al Faruque holds 8 US patents.

Prof. Al Faruque is currently serving as the associate editors of the ACM Transactions on Design Automation on Electronics and Systems and the IEEE Design & Test. He is an IEEE senior member and an ACM senior member.



**Dr. Lily Wu, Ph.D.**

Director of Academic Innovation, Programs

**UCI Samueli School of Engineering**



**Robin Jeffers**

Senior Director, Undergraduate Student Affairs & Curriculum Accreditation  
Student Affairs Undergraduate

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