Professor Kaustav Banerjee Receives 2015 IEEE Kiyo Tomiyasu Award

(Santa Barbara, CA) Kaustav Banerjee, professor of electrical and computer engineering at UC Santa Barbara, has been named co-recipient of the 2015 IEEE Kiyo Tomiyasu Award, with Professor Vivek Subramanian of UC Berkeley. The Kiyo Tomiyasu Award is a prestigious IEEE Technical Field Award that recognizes outstanding early to mid-career contributions to technologies holding the promise of innovative applications. It is one of the highest-level awards given by IEEE.

We are thrilled that Professor Banerjee has once again been recognized for his pioneering work and innovative and visionary technologies in the field of nanoelectronics, said UC Santa Barbara Chancellor Henry Yang. We know that, as an IEEE fellow and now a recipient of the IEEE Kiyo Tomiyasu Award, Professor Banerjee will continue to reach new heights in his cutting-edge research. We congratulate him wholeheartedly on this prestigious honor. He is making our campus proud.

The Tomiyasu Award recognizes Banerjee for his contributions to nanomaterials, devices, circuits, and CAD, enabling low-power and low-cost electronics. Banerjee’s research into low-power electronics, including 3-dimensional ICs and thermal-aware IC design, has found wide scale implementation in the semiconductor industry. His research group has also spearheaded the use of low-dimensional nanomaterials for overcoming power dissipation and other fundamental challenges in nanoscale devices, interconnects and sensors.

IEEE Field Awards are among the highest honors for an engineer that not only recognize outstanding te
chnical contributions but also high societal and economic impact,? said Rod Alferness, Dean of the College of Engineering. ?Professor Banerjee?s pioneering contributions to low power nanoelectronics are deserving of this prestigious honor.?

?An IEEE Field Award is one of the highest recognitions for an electrical engineer or computer scientist from their peers,? said Banerjee. ?I am indeed honored to join the illustrious group of engineers and scientists from our campus who have received a Field Award.? Banerjee is the Director of the Nanoelectronics Research Lab, and is affiliated with the California NanoSystems Institute and the Institute for Energy Efficiency at UCSB. He has been recognized with numerous honors including the Alexander von Humboldt Foundation Bessel Prize, election to IEEE Fellow and APS Fellow, IBM Faculty Award, and an Invitation Fellowship from the Japan Society for the Promotion of Science.

Banerjee is the first from UC Santa Barbara to receive the Kiyo Tomiyasu Award, bringing to 11 the number of faculty members from UCSB, two of whom are Nobel Prize winners, to be honored with an IEEE Technical Field Award. Professors Banerjee and Subramanian will be honored at the 2015 International Electron Devices Meeting (IEDM), IEEE?s flagship conference in semiconductors and electronics, to be held in Washington, DC in December.

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