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Samsung PhD Fellowship Program Recognizes Best and Brightest Student Innovators

Five outstanding graduate students at top U.S. universities are awarded funding and mentorships to advance their research.

SAN JOSE, May 12, 2016 — Samsung Electronics Co. Ltd. today recognized five of the best and brightest computer science and engineering students in the U.S. as it announced the inaugural class of the Samsung PhD Fellowship. Each student will receive a Fellowship award of \$50,000 as well as mentorship to support their ground-breaking research.

The new PhD Fellowship program rewards those who dare to innovate. Jointly sponsored by Samsung Semiconductor and the Samsung Strategy and Innovation Center (SSIC), the program recognizes outstanding Ph.D. students working in five areas: *Software and Memory System Solutions for Data Centers; Low-Power CPU and System IP Architecture and Designs; Advanced Semiconductor Devices, Materials and Simulation; Internet of Things; and Smart Machines.*

Samsung launched the Fellowship program with a call for partner universities to nominate outstanding students working on the above topics. Twelve of the best-qualified nominees were selected as Finalists and invited to showcase events at the new headquarters in Silicon Valley or at the Samsung Austin R&D Center. Each student Finalist presented his or her research proposal to an audience of Samsung engineers, Lab directors, and innovation leaders and met many of them for interviews as well. Following these events, the five Fellows were selected from this terrific group.

Each Fellow will be connected to an engineer from one of the Samsung Semiconductor or SSIC Labs in Silicon Valley or Austin. This mentor will provide an industry perspective on their research and will invite the student to join Samsung for an internship.

"We are thrilled to be supporting these outstanding students through our Fellowship program. Samsung strives to be a leader in the creation of new technology, and a great way to do that is by supporting basic research and PhD training," said Stefan Heuser, VP of Operations and Innovation for SSIC. "We were very impressed by the students nominated by the universities—all of them have made an impact in key areas of research. The Finalists were an even stronger group, and we are confident that they will become leaders in their fields. But the five Fellows are truly exceptional, and we look forward to working with them in the coming year. We thank the universities and all of the student nominees for their efforts and for their interest in our program."

Following are the five Samsung PhD Fellows for 2016-2017:

- Dinesh Jayaraman, "*Embodied Learning for Visual Recognition*"
Nominating professor: Kristen Grauman, University of Texas at Austin
- Jiajun Wu, "*Computational Perception of Physical Object Properties*"
Nominating professors: William Freeman and Joshua Tenenbaum, MIT
- Joy Arulraj, "*Rethinking Database Systems for Next-Generation Memory Technologies and Real-Time Analytics*"
Nominating professor: Andy Pavlo, Carnegie Mellon University

- Niranjini Rajagopal, "*Sensor Fusion and Automatic Infrastructure Mapping for Indoor Localization Systems*"
Nominating professors: Anthony Rowe and Bruno Sinopoli, Carnegie Mellon University
- Wooseok Lee, "*Exploring Future Mobile Heterogeneous Multicore System Architectures*"
Nominating professors: Lizy John and Andreas Gerstlauer, University of Texas at Austin

Nominations for next year's PhD Fellowship program will open in September 2016. Additional information about the Fellowship program can be found at: <http://www.samsung.com/us/labs/fellowship/index.html>

About the Samsung Strategy and Innovation Center

SSIC is a global organization with the core missions of open innovation in collaboration with entrepreneurs and strategic partners, investments in disruptive technologies and startups, and new business creation through M&A and partnerships. With offices in Silicon Valley, Korea, Israel, France and the U.K., SSIC's focus areas include cloud infrastructure, smart health, Internet of Things and smart machines.

About Samsung Semiconductor, Inc.

Samsung Semiconductor, Inc., based in a new state-of-the-art headquarters in the heart of Silicon Valley, is a multi-billion dollar subsidiary of Samsung Electronics Co., Ltd. The organization provides the world's most advanced technology for use in smartphones, consumer electronics, computing platforms, as well as servers and other data center infrastructure. Among the products developed and sold by Samsung Semiconductor are state-of-the-art memory, logic, solid state drives, LED components and LCD/OLED displays, which are enabling today's most efficient, connected digital devices. Samsung Semiconductor also has a research and innovation center with numerous labs contributing to research and product design in logic, memory, image sensors, displays and mobile technologies.

About Samsung Electronics Co. Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

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