Intel drives and participates in a wide array of education-related programs worldwide whose goals are to improve the quality of education and train students to be future technology leaders themselves. The next generation Intel "Rock Stars" could come from one of these programs. The Intel PhD Fellowship program focuses on research in Intel’s technical areas; Hardware Systems Technology and Design, Software Technology and Design, and Semiconductor Technology and Manufacturing. In 2010, 27 fellowships were awarded. This is a very prestigious award, and winning students are recognized as being tops in their areas of research.

Intel PhD Fellowship Winners

Ms. Jessy Baker, University of California, Berkeley
Thesis: Nanorod Photovoltaics: Self-assembly, Epitaxial junction formation, & Soft-lithography electrodes

Mr. Samer Barakat, Purdue University
Thesis: Interactive Visual Analysis of Ultrascale Flow Phenomena on Manycore Architectures

Mr. Lei Bi, Massachusetts Institute of Technology
Thesis: Magneto-optical Materials and Devices for on-chip Integrated Optical Isolator

Mr. Michael Buettner, University of Washington
Mr. Vladimir Bychkovsky, Massachusetts Institute of Technology

Thesis: Automatic and semi-automatic methods for photograph selection and adjustment

Mr. Chia-Ming Chang, Stanford University

Thesis: Integrated silicon photonics for optical interconnects and sensing applications

Ms. Marshini Chetty, Georgia Tech

Thesis: Surfacing Invisible Aspects of Domestic Networks to Affect Engagement with Infrastructure

Mr. Andrew DeOrio, University of Michigan

Thesis: Lifetime Correctness for Modern Multicore Processors

Mr. Elliott Fleming, Massachusetts Institute of Technology

Thesis: System architecture and high level synthesis

Mr. Julian Guzman, University of California, Berkeley

Thesis: Structure-Property Relationships of Ge and Ge-Alloy Nanoclusters Embedded in Silica

Mr. Jose Joao, University of Texas at Austin

Mr. Eric Keller, Princeton
Thesis: Improving Performance of Parallel Code on Asymmetric-CMPs with Combined Hardware-Software Solutions

Mr. Donnie Kim, UCLA

Thesis: A Router Hypervisor for Hosted Virtual Networks

Mr. Calvin King, Jr., Georgia Tech

Thesis: From positions to semantic locations: places we go and paths we take

Mr. Ariel Kleiner, University of California, Berkeley

Thesis: Thermal Management of Three-dimensional Integrated Circuits Using Inter-layer Liquid Cooling

Mr. Lucian Leahu, Cornell University

Thesis: Learning Rich, Efficient Models Based on Large Quantities of Data

Mr. Michael Lentine, Stanford University

Thesis: Rethinking the Role of Machine Representations in HCI

Mr. Mark Palatucci, Carnegie Mellon University


Thesis: Learning Methods for Thought Recognition
Mr. Jonathan Ragan-Kelley, Massachusetts Institute of Technology
Thesis: A braided parallel programming system for real-time graphics and heterogeneous applications

Mr. Arun Raman, Princeton
Thesis: Scalable Parallelism Extraction and Efficient Execution

Mr. Olatunji Ruwase, Carnegie Mellon University
Thesis: Dynamic binary analysis for guarding OS kernels from errors in unmodified device driver binaries

Ms. Rebecca Schaevitz, Stanford University
Thesis: Material properties of SiGe/Ge quantum wells for optoelectronic modulation

Mr. Shreyas Sen, Georgia Tech

Mr. Gabriel Takacs, Stanford University
Thesis: Mobile Augmented Reality

Mr. Steven Tin, Cornell University

Mr. Eitan Yaakobi, University of California, San Diego
Mr. Shuang Zhao, Cornell University

Thesis: Applications on beta-emitting radioisotope thin films for micropower and lithography