



## UCSD Hosted a Workshop to Explore the Potential of New Memory Technologies

UCSD hosted the 3rd annual Non-Volatile Memories Workshop (NVMW'12) on March 4th-6th. The workshop gathered scientists and engineers from around the world to discuss potential uses and impacts of the non-volatile, solid-state memories that help power today's mobile electronic devices and are shaping the future of high-performance and "cloud" computing. "These memories have the potential revolutionize how computers store and access data, but we don't fully understand how to make the best use of them. This workshop focuses attention on the remaining technical hurdles that stand in the way of realizing their potential," said Assistant Dr. Steven Swanson, one of the workshop's organizers. "We need to get everyone in the same room talking about these problems so we can address them quickly and efficiently." The workshop featured 33 technical presentations by leading researchers from the US, Singapore, Israel, and Japan on Monday and Tuesday, a keynote by Richard L. Coulson, Senior Fellow and director of the Storage Technologies Group at Intel, and a tutorial on Sunday by Steven R. Hetzler, Manager of Storage Architecture Research at IBM and an IBM Fellow. 188 people attended the workshop.

The workshop is a co-production of the Center for Magnetic Recording Research (<http://cmrr.ucsd.edu>), the Non-Volatile Systems Laboratory (<http://nvsl.ucsd.edu>), (part of the Computer Science and Engineering Department) and the UCSD's Calit2 (<http://calit2.net>). The workshop also enjoys the support of the National Science Foundation, Samsung, STEC, Western Digital, Fusion-I/O, Hewlett-Packard, IBM Research, LSI Logic, Marvell, and Microsoft Research. More information, including a detailed program is available at <http://nvmw.ucsd.edu/2012>.



## Michael Wei Receives NSF Graduate Research Fellowship

The National Science Foundation's Graduate Research Fellowship Program (GRFP) helps ensure the vitality of the human resource base of science and engineering in the United States and reinforces its diversity. The program recognizes and supports outstanding graduate students in NSF-supported science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees at accredited US institutions. CSE PhD student, Michael Wei received an NSF Graduate Research Fellowship. Michael works with Professor Steve Swanson in the non-volatile systems laboratory. The NSF awards these fellowships across all disciplines. They are very prestigious. Congratulations Michael!

## Andrew Kahng receives an \$800K NSF Grant



Professor Andrew B. Kahng has received a 3-year NSF grant for \$800K, in collaboration with the University of Michigan, to study IC CAD problems associated with 3D integration starting on July 1. He has also received a 3-year

SRC contract for \$300K, in collaboration with UCLA and supported by AMD, IBM and GlobalFoundries, to study the problems of over-design and adaptivity starting on April 1.



## GARY COTTRELL

Gary Cottrell is currently in Hong Kong, giving several talks at the University of

Hong Kong. He is traveling from March 31-April 8th.

## Faculty GPS

