

# 2nd Annual Non-Volatile Memories Workshop

March 6-8, 2011  
La Jolla, CA



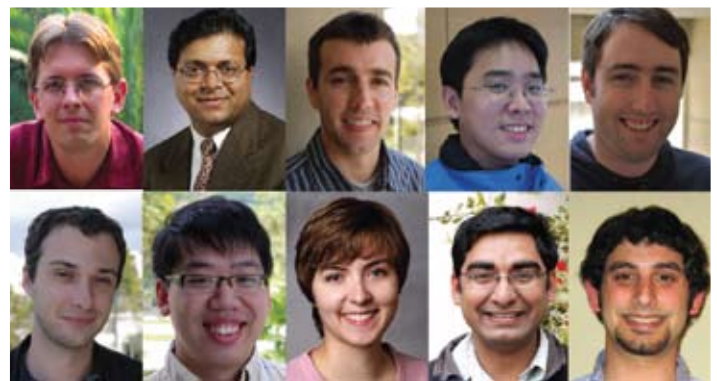
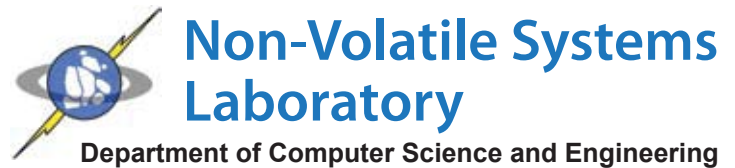
The UCSD Non-Volatile Memories Workshop is a unique showcase for outstanding work related to solid state, non-volatile memories. NVMW brings together researchers and engineers from disciplines ranging across memory devices, data encoding, systems architecture, applications, and more. NVMW 2010 attracted more than 130 academic and industrial researchers from 23 universities and national labs and 33 companies. Please join us for NVMW 2011!

## PROGRAM INCLUDES:

Circuits and non-volatile memory devices • Systems architecture  
Solid state storage systems • ECC and coding for flash memories  
Other non-volatile memories • Tutorials and panel discussions

**Learn more at [cmrr.ucsd.edu](http://cmrr.ucsd.edu)**

Hosted by:



### Led by Prof. Paul Siegel and Prof. Jack Wolf

The Center for Magnetic Recording Research (CMRR) is an interdisciplinary research organization at the University of California, San Diego. For more than two decades, CMRR has been a leader in fundamental and applied research in support of the advancement of magnetic data storage technology, a cornerstone of the modern information age. In cooperation with industry and government partners, the Center pursues a diverse program of forward-thinking research while producing highly trained graduate students and postdoctoral professionals. CMRR-SSD is a major new research initiative at UCSD, focusing on issues of reliability, security, data integrity, and system applications of solid-state, non-volatile storage.

### Led by Prof. Steve Swanson and Prof. Rajesh Gupta

The Non-Volatile Systems Laboratory (NVSL) at UCSD was founded in 2008 and focuses on developing hardware and software prototypes to understand the hardware, software, security, and reliability implications of non-volatile, solid-state memories. Our approach is to build hardware and software systems ranging from embedded storage arrays to flash-enabled high-performance clusters that allow us to characterize the challenges and test solutions on "real world" systems. We work with researchers at the Center for Magnetic Recording Research, the San Diego Super Computing Center, and within the Computer Science and Engineering Department to bring a wide range of expertise to bear on each of these issues.