UCSD
The University of California at San Diego

CMRR-SSD
Solid State Drive Program at the
Center for Magnetic Recording Research

Non-Volatile Systems Laboratory
Department of Computer Science and Engineering

Please join us at BOOTH 109

Exhibit Times:

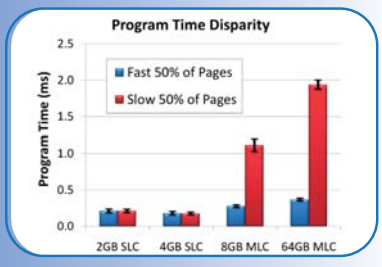
Wednesday, August 12
noon – 2:00 pm
5:30 – 7:30 pm

Thursday, August 13
noon – 2:00 pm

Four research presentations:

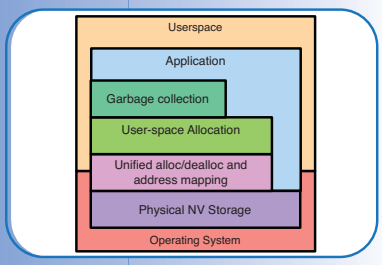
Tuesday, August 11, 8:40 am
Characterizing Flash Memory Devices

Ms. Laura Grupp
Non-Volatile Systems Laboratory (NVSL)
Department of Computer Science and Engineering
lgrupp@cs.ucsd.edu



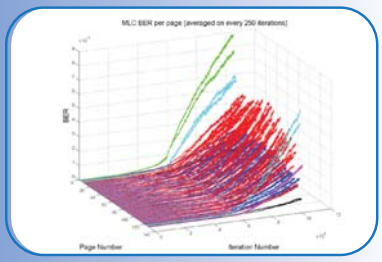
Thursday, August 13, 8:30 am
New Abstractions for Fast Non-Volatile Storage

Mr. Joel Coburn
Non-Volatile Systems Laboratory (NVSL)
Department of Computer Science and Engineering
jdcoburn@cs.ucsd.edu



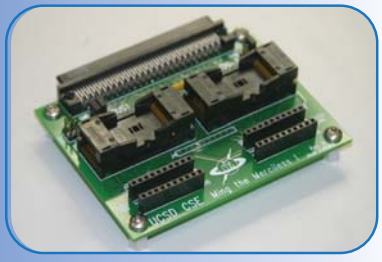
Thursday, August 13, 10:00 am
Error Correction Coding for Flash Memories

Mr. Eitan Yaakobi
Signal Transduction and Recording (STAR) Group
Center for Magnetic Recording Research (CMRR)
eyaakobi@ucsd.edu



Thursday, August 13, 2:00 pm
Secure Erasure of Flash Memory

Mr. Adrian Caulfield
Non-Volatile Systems Laboratory (NVSL)
Department of Computer Science and Engineering
acaulfie@cs.ucsd.edu



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Non-Volatile Memories Workshop

November 18-19, 2009
La Jolla, CA

UCSD
The University of California at San Diego

PROPOSED TOPICS:
Circuits and flash memories hardware
ECC and coding for flash memories
Flash memory systems
Flash memory architecture
Other non-volatile memories
Tutorials and panel discussions

Learn more and register at cmrr.ucsd.edu

Hosted by:

CMRR-SSD
Solid State Drive Program at the
Center for Magnetic Recording Research

Non-Volatile Systems Laboratory
Department of Computer Science and Engineering

Lead 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.

Lead 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.