

CSEE Research Review – Program
Friday, May 7, 2010
Technology Center, South Campus¹

Department of Computer Science and Electrical Engineering
University of Maryland, Baltimore County (UMBC)
www.cs.umbc.edu/CSEE/events/

*A celebration of research accomplishments by UMBC CSEE faculty and students in 2009–2010.
Free and open to the public (space limited to 125). Ample free parking.*

Reception (9:00am–9:20am), with coffee, orange juice, doughnuts

Opening Remarks, Charles Nicholas, Chair, Dept. of CSEE (9:20am–9:30am)

Session I (9:30am–10:40am) – Each talk is 20mins.

Curtis R. Menyuk, Computational Photonics Lab
A Completely New Way to Make Ultra-Short Pulses at Mid-Infrared Wavelengths

Zary Segall
Web, We, and W in $(n+1)G$

Han Dong (Advisor: Ray Chen), *Photonics Technology Lab* – *Award for best research by BS student*
Computer Visualization of Optical Network Behavior

Break (10:40am–11:00am)

Session II (11:00am–12:10noon)

Marie desJardins, MAPLE Lab
Modeling and Learning User Preferences over Sets of Objects

Chintan Patel
Analyzing a Chip's Power Supply: The Good, the Bad and the Ugly

Wesley Griffin (Advisor: Marc Olano), VANGOGH Lab – *Award for best research by MS student*
Real-Time GPU Surface Curvature Estimation

Free Lunch, in Lobby (12:10noon–1:00pm), with sandwiches, hot entree, salad, drinks, and brownies

Student Poster Session (1:00pm–2:10pm) – *vote for three best posters using Range Voting*

Session III (2:10pm–3:30pm)

Alan T. Sherman, Cyber Defense Lab
Scantegrity II at Takoma Park: The First End-to-End Binding Governmental Election with Ballot Privacy

Sourav Mukherjee (Advisor: Tim Oates), Coral Lab – *Honorable mention research by PhD student*
Stochastic Graph Grammars: Parameter Learning and Applications

Nicolle Correa (Advisor: Tulay Adali), MLSP Lab – *Award for best research by PhD student*
CCA for Data Fusion and Group Analysis: Applications to Medical Imaging Data

Student Poster Awards and Reception (3:30-3:45pm)

Adjourn (3:45pm)

Organizer: Alan T. Sherman, Emergency Standby Speaker: Tim Oates

¹ Directions: Take Gun Road off Rolling Road (Rt. 166). The UMBC “Satellite” Shuttle stops at South Campus.