

# Student Paper Contest

Merril Hall - Sunday, November 4, 2007

Judging starts at 6:30PM

(Listed in paper number order)

*“Knowledge-Aided Space-Time Adaptive Processing”*

**Xumin Zhu**, Jian Li, Petre Stoica, and Joseph R. Guerci

*“A Deterministic Method for Haplotype Inference”*

**Kuo-ching Liang** and Xiadong Wang, Columbia University

*“Rate Estimation Using Forward Adaptive Quantization: H.264 Fast Intra Mode Selection at High Data Rates”*

**Koohyar Minoo** and Truong Q. Nguyen, University of California, San Diego

*“Matrix Decomposition Architecture for MIMO Systems: Design and Implementation Trade-Offs”*

**Christoph Studer**, Patrick Blösch, Peter Friedli, and Andreas Burg, ETH Zurich

*“Multicarrier Broadcast and Unicast Hybrid Systems”*

**Hongxiang Li**, Bin Liu, and Hui Liu, University of Washington

*“Instruction Set Extensions for AES Processing on a Multithreaded Software Defined Radio Platform”*

**Christopher Jenkins**, Suman Mamidi, Michael Schulte, University of Wisconsin-Madison, and John Glossmer, Sandbridge Technologies

*“Real-Time MIMO Discrete Multitone Transceiver Testbed”*

**Alex Olson**, Aditya Chopra, Yousof Mortazavi, Ian Wong, and Brian Evans, University of Texas at Austin