2007 Asilomar Conference Session Schedule

Sunday Afternoon, November 4

2:00 - 7:00 PM	Registration – Main Lodge
5:00 - 6:30 PM	Student Paper Contest – Merrill Hall
7:00 - 9:00 PM	Welcoming Reception – Merrill Hall

Monday Morning, November 5

7:30 - 9:00 AM	Breakfast – Crocker Dining Hall
8:00 AM - 6:00 PM	Registration
8:15 - 9:45 AM	MA1a – Conference Opening and Plenary Session
9:45 - 10:15 AM	Coffee Social

10:15 - 12:00 PM   MORNING SESSIONS
MA1b   Signal Separation
MA2b   Genomic Signal Processing
MA3b   Analysis of Large Scale Communications Systems
MA4b   Challenges and Opportunities in MIMO Communications
MA5b   Integrated Algorithm and Architecture Implementation
MA6b   Adhoc Network Capacity
MA7b   Genomic Data Processing

12:00 - 1:00 PM   Lunch – Crocker Dining Hall

Monday Afternoon, November 5

1:30 - 5:10 PM   AFTERNOON SESSIONS
MP1   MIMO Radars
MP2a   Registration in Biomedical Imaging
MP2b   Image and Video Coding I
MP3   Cross-Layer Optimization in Wireless Resource Allocation
MP4   Multi-User MIMO Communications I
MP5   Computer Arithmetic
MP6   System Theory for Sensor Networks
MP7   Adaptive Signal Processing Using Higher-Order Arrays
MP8a1   Cooperative Communications (Poster)
MP8a2   Precoding for MIMO (Poster)
MP8a3   Image and Video Coding and Processing (Poster)
MP8a4   Topics in Speech, Image, and Signal Processing and Coding (Poster)
MP8b1   Statistical Signal Processing (Poster)
MP8b2   Biomedical and Genomic Signal Processing (Poster)

Monday Evening, November 5

6:30 - 9:30 PM   Conference Cocktail/Social – Merrill Hall
The Cocktail/Social takes the place of Monday's dinner. No charge for conference attendees or their guest.

2007 Asilomar Conference Session Schedule
(continued)

Tuesday Morning, November 6

7:30 - 9:00 AM	Breakfast – Crocker Dining Hall
8:00 AM - 5:00 PM	Registration

8:30 AM - 12:10 PM   MORNING SESSIONS
TA1   Non-Gaussian and Nonlinear Methods in Statistical Signal Processing
TA2   Spatio-Temporal Processing in Biomedical Imaging
TA3   Recent Advances in Cognitive Radio
TA4   Cooperative Diversity
TA5   Signal Processing for Structural Health Monitoring
TA6   Network Information Theory
TA7   Image and Video Coding II
TA8a1   Architectures (Poster)
TA8a2   Modulation, Detection, and Error Control Coding (Poster)
TA8a3   Interference Handing in Wireless Communications (Poster)
TA8b1   Multirate and Digital Signal Processing (Poster)
TA8b2   Performance Bounds (Poster)
TA8b3   Selected Topics in Wireless Communications (Poster)

12:00 - 1:00 PM   Lunch – Crocker Dining Hall

Tuesday Afternoon, November 6

1:30 - 5:10 PM   AFTERNOON SESSIONS
TP1   Underwater Acoustical Array Signal Processing
TP2   Cellular Image Analysis
TP3   Ultra Wideband Communications
TP4a   Estimation and Detection
TP4b   Array Signal Processing
TP5   Low-Power Methods
TP6a   Network Pricing
TP6b   Relay Channels
TP7a   Speech Coding, Processing and Transport
TP7b   Plenoptic Signal Processing
TP8a1   Advances in MIMO Communications (Poster)
TP8a2   MIMO Communication over Frequency Selective Channels (Poster)
TP8a3   Adaptive Systems and Processing (Poster)
TP8b1   Multi-user MIMO Communications II (Poster)
TP8b2   OFDM and Multi-Carrier Communications (Poster)
TP8b3   Estimations, Synchronization, and Equalization (Poster)

Tuesday Evening, November 6

8:00 - 10:00 PM   Bonfire at the fire pit next to Crocker Hall

2007 Asilomar Conference Session Schedule
(continued)

Wednesday Morning, November 7

7:30 - 9:00 AM	Breakfast – Crocker Dining Hall
8:00 AM - 12:00 PM	Registration – **Copyright Forms** must be turned in before the registration closes at 12:00 noon.

8:30 AM - 12:10 PM	MORNING SESSIONS

WA1a Source Localization and Imaging
WA1b Adaptive Radar Signal Processing
WA2a New Optical Techniques for Cancer Detection and Therapy
WA2b Signal Processing Techniques in Advanced MR Imaging
WA3a Wireless Optical Communications
WA3b Iterative Receiver Processing on Communication Systems
WA4 Feedback in MIMO Systems
WA5a Programmable and Reconfigurable Architectures
WA5b SOC Architectures
WA6a Radar Signal Processing
WA6b Signal Processing in Cognitive Radio Networks
WA7a Speech and Audio Coding
WA7b Wavelet and Filter Bank Methods for Image and Video Processing
WA8a1 Wireless Networks (Poster)
WA8a2 Sensor Networks (Poster)
WA8a3 Radar and Array Signal Processing (Poster)

12:00 - 1:00 PM	Lunch – Meal tickets may be purchased at registration desk. This meal is not included in the registration.

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"
Christipher 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