2004 Asilomar Conference Session Schedule

Sunday Afternoon, November 7

2:00 - 7:00 PM	Registration – Main Lodge
7:00 - 9:00 PM	Welcoming Reception and Student Paper Contest Poster Session at Asilomar – Merrill Hall

Monday Morning, November 8

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	Radar and Remote Sensing	Randy Moses & Bin Yu
MA2b	Emerging Technologies	Graham Jullien
MA3b	Bioinformatics / Genomic Signal Processing	Gaurau Shaarma
MA4b	Power-Aware DSP Applications	Jeff Coleman
MA5b	Optical Communications and Networks	Leslie Rusch
MA6b	Application of Adaptive Filtering in Digital Communications	Rahul Singh
MA7b	Mathematical Models for Image Processing	Jonathan Manton

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

Monday Afternoon, November 8

1:30 - 5:10 PM AFTERNOON SESSIONS

MP1	Advanced Signal Processing in Biomedical Imaging	Mike Insana
MP2	Modulation and Detection	Tommy Guess
MP3	Adaptive Signal Processing	Louis Beex
MP4a	Radar Array Processing	Joe Guerci
MP4b	Space-time Coded/MIMO Radar	Frank Robey
MP5	OFDM	Ufuk Tureli
MP6	Image and Video Security, Retrieval, and Watermarking	Tom Lookabaugh
MP7	Speech and Audio Coding	Jerry Gibson
MP8a1	Digital System Implementation (Poster)	Neil Burgess
MP8a2	Image Processing for Biometrics (Poster)	Robert Ives
MP8b	Communications in Non-ideal Channels (Poster)	James Zeidler

Monday Evening, November 8

6:30 - 9:30 PM Conference Cocktail Social – Merrill Hall

2004 Asilomar Conference Session Schedule
(continued)

Tuesday Morning, November 9

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	Multi-scale Modeling of Biological Systems	Shayn Peirce
TA2a	Wireless Implementations	Joe Cavalloro
TA2b	High Performance Processing	Carlo Luschi
TA3a	Signal Processing for Agile Sensors	Darryl Morrell
TA3b	Applications of Multirate Systems and Filter Banks in Modern Communications	P. Vaidyanathan
TA4	MIMO/Space-time Coding	Robert Health
TA5	CDMA	Ubli Mitra
TA6	Adaptive Filter Theory	Scott Douglas
TA7	Mathematical Models for Signal Processing	Lang White
TA8a	Communications I (Poster)	Maite Brandt-Pearce
TA8b	Communications II (Poster)	Hui Liu

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

Tuesday Afternoon, November 9

1:30 - 5:10 PM AFTERNOON SESSIONS

TP1	Sensor Array and Relay Networks	Yingbo Hua
TP2	Computer Arithmetic	Milos Ercegovac
TP3	Sensor Networks	Rich Baraniuk & Mark Coat
TP4	Sonar and Acoustical Array Processing	Jim Pitton
TP5	Networks	J. M. Chung
TP6	UWB Communications	Dennis Goeckel
TP7	Image and Video Enhancement and Filtering	Tamal Bose
TP8a1	Biomedical Signal Processing (Poster)	Dana Brooks
TP8a2	Biomedical Image Processing (Poster)	Yibin Zheng
TP8a3	Signal Processing in Genomics and Proteonics (Poster)	Yibin Zheng
TP8a4	Radar Interpretation and Analysis (Poster)	Seth Silverstein
TP8b1	Image and Video Coding (Poster)	Sheila Hemami
TP8b2	Array Processing for Wireless Communications (Poster)	Murat Torlak
TP8b3	Speech Recognition (Poster)	Tina Kholer

Tuesday Evening, November 9

8:00 - 10:00 PM Bonfire next to Crocker Hall

2004 Asilomar Conference Session Schedule
(continued)

Wednesday Morning, November 10

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

8:30 AM - 12:10 PM MORNING SESSIONS

WA1	Advances in Biomedical Microscopy	Brian Helmke
WA2	VLSI	David Harris
WA3	Wireless	Narayan Mandayam
WA4	Array Processing Functions	Uf Tureli
WA5	FEC	Matt Valenti
WA6	Applications of Adaptive Filtering in Communications	Jamal Tuqan
WA7	Statistical Signal and Image Processing	Vaughan Clarkson
WA8a	DSP Applications (Poster)	Ralph Hippenstiel
WA8b1	Speech Processing (Poster)	Neeraj Magotra
WA8b2	Adaptive Array Processing, STAP (Poster)	Stephen Kogon

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

Poster session Sunday evening in Merrill Hall, judging 6:00 - 7:00 PM, papers to remain posted during Welcome Reception.

Category A – Communications Systems and Networking
"Code Design for the Relay Channel and Factor Graph Coding"
Mohammad Ali Khojastepour, Nasir Ahmed, and Behnaam Aazhang, Rice University

Category C – Array Processing and MIMO
"Uniform Channel Decmposition for MIMO Communications"
Yi Jiang and Jian Li, University of Florida
"On the Capacity of the Broadband Relay Networks"
Guoqing Li and Hui Liu, University of Washington

Category D - Biomedical Signal and Image Processing
"Automated Detection and Classification of Vascular Abnormalities in Diabelic Retinopathy"
Deepika Vallabha, Kamesh Namuduri, Ramprasath Dorairaj, Wichita State University and Hilary Thompson, Louisiana State University

Category E – Signal Processing Algorithms and Applications
"Maximum Likelihood Diffusive Source Localization Based on Binary Observations"
Yoav Levinbook and Tan Wong, University of Florida
"Detection Performance Limits of Channel Impaired Distributed Sensor Networks"
Qi Cheng, Biao Chen, Pramod Varshney, Syracuse University

Category F – Architecture and Implementation
"Optimal Tower Fields for Hyperelliptic Curve Cryptosystems"
Selcuk Baktir and Berk Sunar, Worchester Polytechnic Institute; Jan Pelzl, Thomas Wollinger, and Christof Paar, Ruhu University Bochum
"An Efficient 21.56Gbps AES Implementation on FPGA"
Xinmiao Zhang and Keshab Parhi, University of Minnesota

Category G – Speech, Image, and Video Processing
"A Generalisation of the Delogne-Kasa Method for Fitting Hyperspheres"
Emanuel Zelniker and Vaughan Clarkson, The University of Queensland
"Blind Image Deconvolution using Constrained Variance Maximization"
Dalong Li and Russell Mersereau, Georgia Institute of Technology; Steven Simske, Hewlett Packard