

**FORTIETH
ASILOMAR CONFERENCE ON
SIGNALS, SYSTEMS AND
COMPUTERS**

**SS&C Conf. Corp.
P.O. Box 8236
Monterey, CA 93943**



October 29 - November 1, 2006
Asilomar Hotel and
Conference Grounds

In Cooperation with



**FORTIETH
ASILOMAR CONFERENCE ON
SIGNALS, SYSTEMS & COMPUTERS**

Organized in cooperation with

NAVAL POSTGRADUATE SCHOOL
Monterey, California

ATK MISSION RESEARCH
Monterey, California

and

IEEE SIGNAL PROCESSING SOCIETY

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Welcome from the General Chairman

Prof. Scott Acton, University of Virginia

Happy Birthday Asilomar! The Asilomar Conference on Signals, Systems and Computers is 40. The Asilomar Conference stands in stark contrast to its peer conferences in communications and signal processing. I cherish the relaxed atmosphere, the kitschy cabins on the striking Pacific coast, the family-style meals, and the high-quality interaction of the workshop-like sessions.

The Sydney Parker Memorial Lecture will be given by Professor Kim Mish, Presidential Professor of Structural Engineering at the University of Oklahoma. Dr. Mish will answer the question of “Why Structural Health Monitoring Needs Signal Processing Researchers.” After meeting Kim at Mickey Mantle’s Steakhouse (no kidding), I am confident that his talk will be both stimulating and challenging.

The conference includes a student paper contest that highlights the finalists who will present posters on Sunday evening. I hope that Asilomar will always be an inviting place for aspiring graduate students making their first conference presentations.

This year’s technical program features exciting advances in traditional and MIMO communication systems, networking, adaptive systems, array processing, biomedical signal and image processing, multi-rate processing, architectures, hardware implementation, and speech, image and video processing. The person who made this exciting program possible is Dr. Victor DeBrunner, Professor and Chair of ECE at Florida State University. Please join me in thanking Victor for his effort to make this a memorable, high quality conference. Victor recruited top-rate technical area chairs who, without exception, recruited session chairs and invited papers from the world’s top researchers in the area. Victor did a wonderful job of managing the 558 submitted papers (including 211 invited papers) and creating this year’s set of extraordinary sessions.

I would also like to thank the remainder of the Conference Committee, the Steering Committee and the Technical Area Chairs. Special thanks go to Dr. Monique Fargues, who knows all things Asilomar, and to Sue Netzorg, who has been the administrative force behind the program and the registration process for a number of years.

Enjoy Asilomar.

Scott Acton, University of Virginia, July 2006

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2006 Asilomar Conference Session Schedule

Sunday Afternoon, October 29

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, October 30

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	Capacity of Ad Hoc Networks
MA2b	MIMO Radar
MA3b	Temporal Analysis and Mining in Multimedia
MA4b	Advances in Medical Imaging
MA5b	DSP Architectures and Implementations
MA6b	MIMO Ad Hoc Networks
MA7b	Adaptive Systems for Communications

12:00 - 1:00 PM	Lunch – Crocker Dining Hall
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Monday Afternoon, October 30

1:30 - 5:10 PM	AFTERNOON SESSIONS
MP1a	Functional Imaging
MP1b	Advanced Optical Techniques for Biology
MP2	Multi-user Information Theory
MP3	Adaptive Filters
MP4	Sensor Networks
MP5	Computer Arithmetic
MP6	Multi-user MIMO Methods
MP7	Image and Video Processing
MP8a1	Performance Analysis for Communications (Poster)
MP8a2	Statistical Signal Processing and Applications I (Poster)
MP8b1	Biometrics and Security in Image Processing (Poster)
MP8b2	Wireless Networks (Poster)

Monday Evening, October 30

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.
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2006 Asilomar Conference Session Schedule (continued)

Tuesday Morning, October 31

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	Active Sensing and Waveform Diversity
TA2	MIMO Scheduling
TA3	Computer-aided Diagnosis
TA4	Applications of Multirate DSP
TA5	VLSI Digital Signal Processing
TA6	MIMO Channel Modeling
TA7	Models for Image and Video Processing
TA8a1	Adaptive Systems and Algorithms (Poster)
TA8a2	Video Coding and Analysis (Poster)
TA8a3	Speech and Audio Processing (Poster)
TA8b1	DSP Applications and Systems (Poster)
TA8b2	Statistical Signal Processing and Applications II (Poster)
TA8b3	Space-Time Coding (Poster)

12:00 - 1:00 PM	Lunch – Crocker Dining Hall
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Tuesday Afternoon, October 31

1:30 - 5:10 PM	AFTERNOON SESSIONS
TP1	Topics in Speech Processing for Next Generation Systems
TP2	Resource Allocation in Networks
TP3a	Sparse Adaptive Systems
TP3b	Blind Source Separation
TP4	Detection and Estimation
TP5	Integrated Algorithms and Architectures
TP6	MIMO Systems with Limited Feedback
TP7a	Advanced Beamforming in Medical Imaging
TP7b	Remote Sensing
TP8a1	MIMO Systems (Poster)
TP8a2	Numerical Processing (Poster)
TP8b1	OFDM (Poster)
TP8b2	Biomedical Applications (Poster)

Tuesday Evening, October 31

8:00 - 10:00 PM	Bonfire at the fire pit next to Crocker Hall
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2006 Asilomar Conference Session Schedule

(continued)

Wednesday Morning, November 1

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	Geospatial Image Processing
WA1b	Super-resolution Image and Video Enhancement
WA2a	Distributed Optimization in Wireless Communications
WA2b	Emerging Applications of Communication Theory
WA3a	Clinical and Pharmaceutical Imaging
WA3b	Biomedical Signal and Image Processing
WA4	Nonlinear Filtering and Target Tracking
WA5a	Reconfigurable Computing
WA5b	Low Power Techniques
WA6	MIMO Equalization
WA7a	Audio Coding and Processing
WA7b	Wireless Networks
WA8a1	Coding, Decoding, and Receiver Design (Poster)
WA8a2	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

Poster session Sunday, October 29, in Merrill Hall. Setup begins at 4:00PM. Judging begins at 5:00PM. Posters remain for the duration of the Welcoming Reception.

Category A – Communications Systems and Networking
“Joint Design and Separation Principle for Opportunistic Spectrum Access”
Yunxia Chen, University of California, Davis; Qing Zhao, University of California, Davis; Ananthram Swami, Army Research Laboratory

Category B – Adaptive Systems and Processing
“Steady-State Performance Comparison of Bayesian and Standard Adaptive Filtering”
Tayeb Sadiki, Dirk T. M. Slock, Eurocom Institute, Sophia Antipolis, France

Category C – Array Processing and Statistical Signal Processing
“Topology for Global Average Consensus”
Soumya Kar, Carnegie Mellon University; Jose Moura, Carnegie Mellon University

Category D – Biomedical Signal and Image Processing
“Particle Filter Tracking of Multiple Rolling Leukocytes in Vivo”
Jing Cui, University of Virginia; Scott Acton, University of Virginia; Zongli Lin, University of Virginia

Category F – Architecture and Implementation
“Real-Time Processing of Ultrasound Images with Speckle Reducing Anisotropic Diffusion”
Wenqian Wu, University of Virginia; Scott Acton, University of Virginia; John Lach, University of Virginia

Category G – Speech, Video and Audio Processing
“Video Modeling via Spatio-Temporal Adaptive Localized Learning (STALL)”
Yunfei Zheng, West Virginia University; Xin Li, West Virginia University

2006 Asilomar Conference Session Schedule

Coffee breaks will be at 10:10 AM and 3:10 PM, except on Monday morning when refreshments will be served outside Merrill Hall from 9:45-10:15 AM.

Monday, October 30

CONFERENCE OPENING AND PLENARY SESSION 8:30 – 9:45 AM

1. Welcome from the General Chairperson:

Prof. Scott Acton
University of Virginia

2. Session MA1a Sidney Parker Memorial Lecture for the
2006 Asilomar Conference

Kyran Daniel John Mish
Presidential Professor of Structural Engineering
Director, Fears Structural Engineering Laboratory
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The University of Oklahoma
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Why Structural Health Monitoring Needs Signal Processing Researchers

Abstract

Structural health monitoring has become one of the most important research venues in the engineering profession. The need to evaluate the current health of critical structures, including levees, pipelines, dams, tunnels and high-rise buildings, is a capability that is essential for timely societal response to extreme events such as earthquakes, hurricanes, tornados, or terrorist attacks. Much of the current research in structural health monitoring is based on classical structural dynamics techniques, which serve to limit the applicability of the monitoring effort to relatively low levels of damage. These constraints are in substantial part due to the nature of how structural engineers idealize mechanical systems,

including serious oversimplifications on the nature of transient response. Electrical engineering curricula stress an understanding of systems analysis and transient response that is often much more relevant towards understanding the dynamic response of large structures. Hence the field of electrical engineering offers great advantages for advancing the state of the art of structural health monitoring in areas ranging from sensor design to signal processing, and electrical engineering sensibilities are essential for successful research efforts in this all-important engineering field.

Biography

Kyran (Kim) Mish received his B.S. in Mathematics, his M.S. in Structural Mechanics, and his Ph.D. in Computational Mechanics, all from the University of California, Davis, in 1981, 1985, and 1987, respectively. He is currently a Presidential Professor of Structural Engineering and Director of the Fears Structural Engineering Laboratory at the University of Oklahoma, where he does work in structural mechanics and computational engineering. He has a productive history in engineering practice, including service as a faculty member at the University of California at Davis, professional practice as a bridge engineer in California, and management experience as the founding director of the Center for Computational Engineering at Lawrence Livermore National Laboratory. His current research efforts are in earthquake engineering and national security venues.

**Program of 2006
Asilomar Conference
on
Signals, Systems, and Computers**

**Technical Program Chairman
Victor DeBrunner
Florida State University**

Session MA1b Capacity of Ad Hoc Networks

Chair: *Jeff Andrews*

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|--------|---|----------|
| MA1b-1 | Regularity, Interference, and Capacity of Large Ad Hoc Networks
<i>Martin Haenggi, Radha Krishna Ganti, University of Notre Dame</i> | 10:15 AM |
| MA1b-2 | On the link Ergodic Capacity of MIMO MANETs using Cooperation
<i>Renato Moraes, Federal University of Santa Catarina; Hamid Sadjadpour, J. J. Garcia-Luna-Aceves, University of California, Santa Cruz</i> | 10:40 AM |
| MA1b-3 | Transmission capacity of wireless ad hoc networks with channel variations
<i>Steven Weber, Drexel University; Jeffrey Andrews, University of Texas at Austin</i> | 11:05 AM |
| MA1b-4 | Two-Scale Wireless Networks
<i>Radhika Gowaikar, Babak Hassibi, California Institute of Technology</i> | 11:30 AM |
| MA1b-5 | Loss and Jitter in Communication Networks - An Information Theoretic Perspective
<i>Syed Jafar, University of California, Irvine</i> | 11:55 AM |

Session MA2b MIMO Radar

Chair: *Jian Li*

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|--------|---|----------|
| MA2b-1 | Coherent Multiple-Input Multiple-Output Radar with Transmit and Receive Adaptivity
<i>Frank C. Robey, Scott Coutts, Massachusetts Institute of Technology Lincoln Laboratory</i> | 10:15 AM |
| MA2b-2 | High Resolution Capabilities of MIMO-Radar
<i>Nikolaus Lehmann, Alexander Haimovich, New Jersey Institute of Technology; Rick Blum, Lehigh University; Len Cimini, University of Delaware</i> | 10:40 AM |
| MA2b-3 | On Probing Pulse Design for MIMO Radar
<i>Jian Li, University of Florida; Petre Stoica, Uppsala University; Yao Xie, University of Florida</i> | 11:05 AM |
| MA2b-4 | MIMO Radar Ambiguity Functions
<i>Geoffrey San Antonio, Daniel Fuhrmann, Washington University in St. Louis</i> | 11:30 AM |
| MA2b-5 | Combined Generalized Likelihood Ratio Processing Method for Multistatic Radar Systems
<i>Amin G. Jaffer, Bruce W. Evans, Raytheon Space and Airborne Systems; Peter Zulch, Air Force Research Laboratory; Muralidhar Rangaswamy, USAF AFRL</i> | 11:55 AM |

Session MA3b Temporal Analysis and Mining in Multimedia

Chair: *Lexing Xie*

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|--------|---|----------|
| MA3b-1 | Multicue segmentation of spoken conversations
<i>S. Basu, S. Gupta, Microsoft Research</i> | 10:15 AM |
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MA3b-2	Modeling speech dynamics with probabilistic graphical models <i>M. Reyes-Gomez, N. Jovic, Microsoft Research; D. Ellis, Columbia University</i>	10:40 AM
MA3b-3	Guided multimedia pattern mining <i>Lexing Xie, Shahram Ebadollahi, IBM Research</i>	11:05 AM
MA3b-4	The Computational Extraction of Spatio-Temporal Phrasing Structures in Solo Multimodal Dance <i>Vidharani Dyaberi, Hari Sundaram, Thanassis Rikakis, Jodi James, Gang Qian, Arizona State University</i>	11:30 AM
MA3b-5	Merging Segmentations of Low-level and Mid-level Time Series for Audio Class Discovery <i>Regunathan Radhakrishnan, Ajay Divakaran, Mitsubishi Electric Research Labs.</i>	11:55 AM

Session MA4b Advances in Medical Imaging

Chair: Rohit Bhargava

MA4b-1	Distinguished photons: advances in multispectral imaging approaches for in-vivo fluorescence imaging <i>James Mansfield, Richard Levenson, CRI</i>	10:15 AM
MA4b-2	Optical Sectioning of Live Cells via Hyperspectral Confocal Fluorescence Imaging <i>David Haaland, Howland Jones, Michael Sinclair, Roberto Rebeil, David Melgaard, Sandia National Laboratories</i>	10:40 AM
MA4b-3	Infrared and Raman Micro-Spectroscopy of Cells: Toward an Understanding of the Spectral Features that Distinguish Normal from Cancerous Cells. <i>Max Diem, Northeastern University</i>	11:05 AM
MA4b-4	Multimodal microscopy for im vivo imaging of tissue microstructure <i>Stavros Demos, Lawrence Livermore National Laboratory</i>	11:30 AM
MA4b-5	Data processing for tissue histopathology using IR spectral data <i>Rohit Bhargava, Frances Keith, Rong Kong, Anusha Priya, University of Illinois at Urbana-Champaign</i>	11:55 AM

Session MA5a DSP Architectures and Implementations

Chair: Joseph R. Cavallaro

MA5a-1	Automatic floating-point to fixed-point transformations <i>Kyungtae Han, Alex G. Olson, Brian L. Evans, University of Texas at Austin</i>	10:15 AM
MA5a-2	Transport Triggered Architecture Processor for Mixed-Radix FFT <i>Teemu Pitkänen, Risto Mäkinen, Jari Heikkinen, Tero Partanen, Jarmo Takala, Tampere University of Technology</i>	10:40 AM

MA5a-3	Technology Driven DSP Architecture Optimization within a High-Level Block Diagram Based Design Flow <i>Dejan Markovic, Brian Richards, Robert Brodersen, University of California, Berkeley</i>	11:05 AM
MA5a-4	FPGA Implementation of Dynamic Threshold Sphere Detection for MIMO Systems <i>Kiarash Amiri, Joseph R. Cavallaro, Rice University</i>	11:30 AM
MA5a-5	Structured Interleavers and Decoder Architectures for Zigzag Codes <i>Tejas Bhatt, Victor Stoltzman, Nokia Inc.</i>	11:55 AM

Session MA6b MIMO Ad hoc Networks

Chair: Jim Zeidler

MA6b-1	Medium Access Control for Multi-Antenna Networks using Multi-User Coding <i>Christopher Shaw, Christian Peel, A. Lee Swindlehurst, Brigham Young University</i>	10:15 AM
MA6b-2	Performance of Transmit Precoding in Time-Varying Point-to-Point and Multi-User MIMO Channels <i>Adam Anderson, James Zeidler, University of California, San Diego; Michael Jensen, Brigham Young Univeristy</i>	10:40 AM
MA6b-3	Exploiting Diversity Gain in MIMO Equipped Ad hoc Networks <i>Ece Gelal, Gentian Jakllari, Srikanth Krishnamurthy, University of California, Riverside</i>	11:05 AM
MA6b-4	Distributed link scheduling, power control and routing for multi-hop wireless MIMO networks <i>Yih-Hao Lin, Rene Cruz, Larry Milstein, Tara Javidi, University of California, San Diego</i>	11:30 AM
MA6b-5	Improving Channel Access Scheduling with Opportunistic Cooperation Among MIMO Nodes <i>J. J. Garcia-Luna-Aceves, Hamid Sadjadpour, X. Wang, University of California, Santa Cruz</i>	11:55 AM

Session MA7b Adaptive Systems for Communications

Chair: Stephan Weiss

MA7b-1	Low Complexity Equalizers for HSDPA UMTS Mode <i>Christian Mehlfuehrer, Markus Rupp, Technical University of Vienna</i>	10:15 AM
MA7b-2	A Scheme for Fast Joint Estimation of Data Symbols and Doubly Dispersive Channel Coefficients <i>Philip Schniter, Sungjun Hwang, The Ohio State University</i>	10:40 AM
MA7b-3	Interference Suppression in Turbo-MIMO Systems <i>Edward S Warner, Ian K Proudler, Malcolm D. Macleod, Qinetiq Ltd</i>	11:05 AM

MA7b-4	Affine Projection Algorithm Based Direct Adaptations for Adaptive Nonlinear Predistorters <i>Dayong Zhou, Victor DeBrunner, University of Oklahoma</i>	11:30 AM
MA7b-5	Adaptive Receivers for Space-Time Spreading over Dispersive Channels <i>Samir Bendoukha, University of Strathclyde; Mahmoud Hadeef, Queen Mary, University of London; Stephan Weiss, University of Strathclyde</i>	11:55 AM

Session MP1a Functional Imaging

Chair: *Dana Brooks*

MP1a-1	Array Response Kernel for EEG in Four-Shell Ellipsoidal Geometry <i>David Gutierrez, CINVESTAV; Arye Nehorai, Washington University in St. Louis</i>	1:30 PM
MP1a-2	Fast and Efficient Stored Matrix Techniques for Optical Tomography <i>Guangzhi Cao, Charles A. Bouman, Kevin J. Webb, Purdue University</i>	1:55 PM
MP1a-3	Kernel methods for analysis of functional neuroimages <i>Ana Lukic, Miles Wernick, Illinois Institute of Technology; Nikolas Galatsanos, University of Ioannina; Yongyi Yang, Illinois Institute of Technology; Stephen Strother, The Roman Institute and University of Toronto</i>	2:20 PM
MP1a-4	Controlling Dimensionality in a Systems Approach to Dynamic Multimodal Functional Brain Imaging <i>Srinivas Laxminarayan, Northeastern University; Solomon Diamond, Massachusetts General Hospital; Gilead Tadmor, Eric Miller, Northeastern University; David Boas, Massachusetts General Hospital; Dana H. Brooks, Northeastern University</i>	2:45 PM

Session MP1b Advanced Optical Techniques for Biology

Chair: *Brian Helmke*

MP1b-1	“RoboLase”: A robotic laser scissors and tweezers microscope <i>Michael Berns, University of California, Irvine; Linda Shi, Jaclyn Nascimento, University of California, San Diego; Nicole Wakida, Alexander Dvornikov, University of California, Irvine; Norman Baker, University of California, San Diego; Elliot Botvinick, University of California, Irvine</i>	3:30 PM
MP1b-2	Tracking actin-based movements with light <i>Daniel Fletcher, University of California, Berkeley</i>	3:55 PM
MP1b-3	Whole-cell flagellum-based motility studied using back focal plane interferometry in a laser trap transducer <i>William Guilford, Laura Aust, University of Virginia; Karen Bernd, Davidson College</i>	4:20 PM

MP1b-4	Spatiotemporal Analysis of Actin Ruffling Dynamics in Living Cells <i>Lawrence Huang, Brian P. Helmke, University of Virginia</i>	4:45 PM
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Session MP2 Multi-user Information Theory

Chair: *Sriram Vishwanath*

MP2-1	Scalable Feedback Protocol Asymptotically Achieving Broadcast Channel Sum-capacity <i>Chan-Soo Hwang, John M. Cioffi, Stanford University</i>	1:30 PM
MP2-2	Energy Allocation, Relay Selection and Ordering in Orthogonal Relay Networks <i>Jesús Gómez-Vilardebó, CTTC; Ana I. Perez-Neira, Universitat Politècnica de Catalunya</i>	1:55 PM
MP2-3	On the Sum-Rate of Broadcast Channels with Outdated 1-Bit Feedback <i>Bo Niu, Osvaldo Simeone, Oren Somekh, Alexander Haimovich, New Jersey Institute of Technology</i>	2:20 PM
MP2-4	Spectrum-Sensing Opportunistic Wireless Relay Networks: Outage and Diversity Performance <i>Kyoungwhan Lee, Aylin Yener, Pennsylvania State University</i>	2:45 PM
	BREAK	3:10 PM
MP2-5	On the distortion exponent of some layered transmission schemes <i>Kapil Bhattad, Krishna Narayanan, Texas A&M University; Giuseppe Caire, University of Southern California</i>	3:30 PM
MP2-6	New results on source and channel coding error exponents with respect to end-to-end delay <i>Anant Sahai, University of California, Berkeley</i>	3:55 PM
MP2-7	On Noisy Feedback in Networks <i>Michael Gastpar, University of California, Berkeley</i>	4:20 PM
MP2-8	Non-collaborative cognitive co-existence in wireless networks <i>Syed Jafar, University of California, Irvine</i>	4:45 PM

Session MP3 Adaptive Filters

Chair: *Milos Doroslovacki*

MP3-1	Convergence analysis of the LMS algorithm under slowly varying conditions using the Langevin equation <i>Simon Haykin, McMaster University</i>	1:30 PM
MP3-2	Distributed recursive least-squares strategies over adaptive networks <i>Ali H. Sayed, Cassio G. Lopes, University of California, Los Angeles</i>	1:55 PM
MP3-3	Convergence and performance issues for autocorrelation based adaptive channel shortening <i>John MacLaren Walsh, Cornell University; Richard K. Martin, Air Force Institute of Technology; C. Richard Johnson, Jr., Cornell University</i>	2:20 PM

MP3-4	Convergence of proportionate-type LMS adaptive filters and choice of gain matrix <i>Milos Doroslovacki, George Washington University; Hongyang Deng, Acoustic Technologies Inc.; Kevin Wagner, Naval Research Laboratory</i>	2:45 PM
	BREAK	3:10 PM
MP3-5	Mean-Square Performance Analysis of the Normalized Subband Adaptive Filter <i>Kong-Aik Lee, Institute for Infocomm Research; Woon-Seng Gan, Nanyang Technological University; Sen-Maw Kuo, Northern Illinois University</i>	3:30 PM
MP3-6	Steady-State Performance Comparison of Bayesian and Standard Adaptive Filtering <i>Tayeb Sadiki, Dirk T. M. Slock, Institut Eurecom</i>	3:55 PM
MP3-7	An Interval-based Algorithm for Adaptive IIR Filters <i>Senanu Ocloo, William Edmonson, North Carolina State University</i>	4:20 PM
MP3-8	Optimization in the complex domain and the widely-linear LMS adaptive filters <i>Tulay Adali, Hualiang Li, Nicolle Correa, Haleh Safavi, University of Maryland, Baltimore County</i>	4:45 PM

Session MP4 Sensor Networks

Chair: *Venu Veeravalli*

MP4-1	Cross-Layer Optimization and Information Assurance in Decentralized Detection over Wireless Sensor Networks <i>Lingjia Liu, Jean-Francois Chamberland, Texas A&M University</i>	1:30 PM
MP4-2	Topology for Global Average Consensus <i>Soumya Kar, Jose M.F. Moura, Carnegie Mellon University</i>	1:55 PM
MP4-3	Distributed Inference in the Presence of Byzantine Sensors <i>Stefano Marano, Vincenzo Matta, University of Salerno; Lang Tong, Cornell University</i>	2:20 PM
MP4-4	Smart sleeping strategies for localization and tracking in sensor networks <i>Jason Fuemmeler, Venugopal Veeravalli, University of Illinois at Urbana-Champaign</i>	2:45 PM
	BREAK	3:10 PM
MP4-5	Channel Aware Particle Filtering for Tracking in Sensor Networks <i>Onur Ozdemir, Ruixin Niu, Pramod Varshney, Syracuse University</i>	3:30 PM
MP4-6	Fundamental bounds to Distributed Detection with Limited Sensing Range <i>Venkatesh Saligrama, Shuchin Aeron, Erhan Ermis, Boston University</i>	3:55 PM

MP4-7	Multicluster ALLIANCES: A High Throughput and Energy Efficient Approach for Wireless Sensor Networks <i>A. Elanchezian, H. Yang, J. C. de Oliveira, Athina P. Petropulu, Drexel University</i>	4:20 PM
MP4-8	Multi-Channel Smart Antennas in Wireless Ad Hoc Networks <i>Yimin Zhang, Moeness Amin, Villanova University</i>	4:45 PM

Session MP5 Computer Arithmetic

Chair: *Earl E. Swartzlander, Jr.*

MP5-1	A Radix-10 Combinational Multiplier <i>Tomas Lang, University of California, Irvine; Alberto Nannarelli, Danish Technical University</i>	1:30 PM
MP5-2	On the Design of an On-line Complex Householder Transform <i>Robert McIlhenny, California State University, Northridge; Milos Ercegovac, University of California, Los Angeles</i>	1:55 PM
MP5-3	Adaptive CORDIC Algorithm <i>Terence Rodrigues, Earl Swartzlander, University of Texas at Austin</i>	2:20 PM
MP5-4	Generating function approximations at compile time <i>Jean-Michel Muller, CNRS/LIP</i>	2:45 PM
	BREAK	3:10 PM
MP5-5	16-bit Binary Multiplication Using High Radix Analog Digits <i>Mitra Mirhassani, Majid Ahmadi, University of Windsor; Graham Jullien, University of Calgary</i>	3:30 PM
MP5-6	Arithmetic Processor for Solving Tri-Diagonal Systems of Linear Equations <i>Milos Ercegovac, University of California, Los Angeles; Jean-Michel Muller, ENS Lyon</i>	3:55 PM
MP5-7	Improving Floating-Point Performance by Not Fusing Multiply-Add <i>David Lutz, Chris Hinds, ARM</i>	4:20 PM
MP5-8	Arithmetic Units for Software Defined Radio <i>Michael Schulte, Suman Mamidi, Christopher Jenkins, Emily Blem, University of Wisconsin-Madison; John Glossner, Sandbridge Technologies</i>	4:45 PM

Session MP6 Multi-user MIMO Methods

Chair: *Xiaodong Wang*

MP6-1	Coverage Spectral Efficiency of Cellular Systems with Cooperative Base Stations <i>Yifan Liang, Taesang Yoo, Andrea Goldsmith, Stanford University</i>	1:30 PM
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MP6-2	Achievable rates of MIMO downlink beamforming with non-perfect CSI: a comparison between “quantized” and “analog” feedback <i>Nihar Jindal, University of Minnesota; Mari Kobayashi, Centro Tecnológico Telecomunicaciones Cataluña; Giuseppe Caire, University of Southern California</i>	1:55 PM	BREAK	3:10 PM	
MP6-3	How Much Training is Required for Multiuser MIMO? <i>Thomas Marzetta, Bell Laboratories, Lucent Technologies</i>	2:20 PM	MP7-5	On Local Computation of Wavelet Coefficients in the Dual-Tree Complex Wavelet Transform <i>Iman El-Shehaby, Trac D. Tran, The Johns Hopkins University</i>	3:30 PM
MP6-4	Multiuser Diversity - Multiplexing Tradeoff in MIMO Broadcast Channels with Limited Feedback <i>Marios Kountouris, France Telecom R&D; Ruben de Francisco, David Gesbert, Dirk T. M. Slock, Institut Eurecom; Thomas Salzer, France Telecom R&D</i>	2:45 PM	MP7-6	Registration of Surfaces to 3D Images Using Rigid Body Surfaces <i>Bing Li, University of Virginia; Steven Millington, Medical University of Vienna; Donald Anderson, University of Iowa; Scott T. Acton, University of Virginia</i>	3:55 PM
	BREAK	3:10 PM	MP7-7	3D Motion Estimation from Three Orthographic Views without Matching Constraints or Brightness Gradients <i>Stefan Lehmann, Andrew Bradley, University of Queensland</i>	4:20 PM
MP6-5	Calculus for MIMO Multiuser Performance Measures <i>Holger Boche, Eduard Jorsweick, Aydin Sezgin, Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institut</i>	3:30 PM	MP7-8	A Subspace Method for Fourier Based Image Registration <i>Min Xu, Pramod Varshney, Syracuse University</i>	4:45 PM
MP6-6	MSE Based Optimization of Multiuser MIMO MAC with Partial CSI <i>Xi Zhang, Eduard Jorswieck, Björn Ottersten, Royal Institute of Technology (KTH); Arogyaswami Paulraj, Stanford University</i>	3:55 PM	Session MP8a1 Performance Analysis for Communications		
MP6-7	Some Results on the Asymptotic Downlink Capacity of MIMO Multi-user Networks <i>Raul de Lacerda, Mérouane Debbah, Institut Eurecom</i>	4:20 PM	MP8a1-1	Simulation and Analysis of 2.4 GHz Propagation in a Medium-Size Conference Room <i>Dennis R. Morgan, Jonathan Ling, Bell Laboratories, Lucent Technologies</i>	
MP6-8	Jointly Optimized MIMO Multiuser Precoding System with Channel Mismatch <i>Kyeong Jin Kim, Nokia Inc.; Charlie Zhang, Motorola Inc.</i>	4:45 PM	MP8a1-2	Vandermonde-form Preserving Matrices And The Generalized Signal Richness Preservation Problem <i>Borching Su, P. P. Vaidyanathan, California Institute of Technology</i>	
Session MP7 Image and Video Processing			MP8a1-3	Low Complexity Simulation Algorithm for TH-UWB MMSE RAKE Receiver <i>Marina Marjanovic, Polytechnical University of Madrid</i>	
Chair: <i>Trac Tran</i>			MP8a1-4	On the Duality of Layered Transmission for Fading and Packet Erasure Channels <i>Farzad Etemadi, Hamid Jafarkhani, University of California, Irvine</i>	
MP7-1	Optimal Tilings for Image and Video Compression <i>Kai-Lung Hua, Ilya Pollak, Mary Comer, Purdue University</i>	1:30 PM	MP8a1-5	An Achievable Rate Region for Interference Channels with Common Information <i>Jinhua Jiang, Yan Xin, Garg Hari Krishna, National University of Singapore</i>	
MP7-2	Prediction of High Resolution Data from a Coded Low Resolution Grid within the Context of SRC <i>Andrew Segall, Sharp Laboratories of America</i>	1:55 PM	MP8a1-6	Random Projections for Sparse Channel Estimation and Equalization <i>Benjamin Friedlander, University of California, Santa Cruz</i>	
MP7-3	Three-Dimensional Subband Coding of Video with 3-D BCWT <i>Linning Ye, Jiangling Guo, Tanja Karp, Brian Nutter, Sunanda Mitra, Texas Tech University</i>	2:20 PM	MP8a1-7	Fast Convergence with Q-expectation in EM-based Blind Iterative Detection <i>Wenbin Guo, Shuguang Cui, University of Arizona</i>	
MP7-4	Multidimensional Nonsubsampled Hourglass Filter Banks: Geometry of Passband Support and Filter Design <i>Yue Lu, Minh N. Do, University of Illinois at Urbana-Champaign</i>	2:45 PM	MP8a1-8	A Comparison of Indoor and Outdoor Spatial Correlation Measurements at 2.4 GHz <i>Leslie Wood, William Hodgkiss, University of California, San Diego</i>	

- MP8a1-9 On the Dual Decomposition Based Sum Capacity Maximization for Vector Broadcast Channel
Marian Codreanu, Markku Juntti, Matti Latva-aho, University of Oulu
- MP8a1-10 Ergodicity of Wireless Channels and Temporal Prediction
Yogananda Isukapalli, Bhaskar Rao, University of California, San Diego
- MP8a1-11 Strict Convexity of the QoS Feasible Region for Log-Convex Interference Functions
Martin Schubert, Holger Boche, Slawomir Stanczak, Fraunhofer Institute for Telecommunications - Heinrich-Hertz-Institut
- MP8a1-12 Design of Multi-Carrier Modulation for Doubly Selective Channels Based on a Complexity-Constrained Achievable Rate Metric
Sibasish Das, Philip Schniter, The Ohio State University
- MP8a1-13 Shift Orthogonal Phase Modulation Tutorial
Douglas Hermes, Frank Kragh, Naval Postgraduate School
- MP8a1-14 Performance Characterization of Random Proximity Sensor Networks
Agostino Capponi, California Institute of Technology; Lance Kaplan, U.S. Army Research Laboratory; Concetta Pilotto, California Institute of Technology
- MP8a1-15 Fading Broadcast Channels with One-Sided Feedback
Rajiv Agarwal, John M. Cioffi, Stanford University
- MP8a1-16 Performance of Pre- and Post Equalization for FSK Signals in the Presence of Multipath Environments
Shu-Ting Lee, Sally Wood, Santa Clara University; Michael Ready, John Treichler, Applied Signal Technology, Inc

Session MP8a2 Statistical Signal Processing and Applications I

Chair: *Rabi Madan*

- MP8a2-1 Chirplet Signal Decomposition for Echo Detection and Estimation
Logan Sorenson, Yufeng Lu, Fernando Martinez Vallina, Jafar Saniie, Illinois Institute of Technology
- MP8a2-2 Enhanced Simultaneous Camera Calibration and Path Estimation
Melanie Rudoy, Charles Rohrs, Massachusetts Institute of Technology
- MP8a2-3 Multi-Pitch Estimation using Harmonic MUSIC
Mads Græsbøll Christensen, Aalborg University; Andreas Jakobsson, Karlstad University; Søren Holdt Jensen, Aalborg University
- MP8a2-4 Joint Detection and Localization in Sensor Networks Based on Local Decisions
Ruixin Niu, Pramod Varshney, Syracuse University

- MP8a2-5 Consensus-Based Distributed Estimation of Random Signals with Wireless Sensor Networks
Ioannis Schizas, Georgios B. Giannakis, University of Minnesota
- MP8a2-6 A Novel Dynamic Filter Switching Algorithm to Track People using Acoustic Sensors
Himanshu Shah, Darryl Morrell, Arizona State University
- MP8a2-7 An Algorithm for Estimating Bridge Deflection from Accelerometer Measurements
Richard Vaccaro, Mayrai Gindy, University of Rhode Island; Hani Nassif, Rutgers, The State University of New Jersey; Jana Velde, University of Rhode Island
- MP8a2-8 Chirp classification using hidden Markov models
Charles Creusere, Nikil Balachandran, New Mexico State University
- MP8a2-9 New Non-Stationary Target Feature Identification and Detection Techniques
Lawrence Marple, Oregon State University; Muralidhar Rangaswamy, Air Force Research Laboratory
- MP8a2-10 Passive Acoustic Detection of Divers Using Single Hydrophone
Xiaoling Chen, Tureli Uf, Stevens Institute of Technology
- MP8a2-11 Signal Processing for Optical Power Spectrum Monitoring
Chia-Yin Che, Centre for Ultra-Broadband Information Networks; Robin J. Evans, National ICT Australia (NICTA)
- MP8a2-12 Performance Capabilities of UWB Localization and Tracking Systems
Divya Rao, Richard Barton, University of Houston
- MP8a2-13 Instantaneous Frequency Estimation Using Sequential Bayesian Techniques
Ying Li, Antonia Papandreou-Suppappola, Darryl Morrell, Arizona State University
- MP8a2-14 Wavelet Based Structure Damage Detection
Alessio Medda, Victor DeBrunner, Kyran Mish, University of Oklahoma
- MP8a2-15 Fast Iterative Maximum-Likelihood Algorithm (FIMLA) for Multipath Mitigation in GPS Receivers
Mohamed Sahnoudi, Moeness Amin, Villanova University
- MP8a2-16 A Geometric Approach to Multi-Stage Detection
Ananya Sen Gupta Sen Gupta, Andrew Singer, University of Illinois at Urbana-Champaign

Session MP8b1 Biometrics and Security in Image Processing

Chair: *Robert Ives*

- MP8b1-1 Face Recognition Using Gabor Wavelets
Vinay Kumar, Global Academy of Technology; Shreyas B S, B.M.S College of Engineering

- MP8b1-2 Adaptive fingerprint binarization by frequency domain analysis
Josef Strom Bartunek, Mikael Nilsson, Jorgen Nordberg, Ingvar Claesson, Blekinge Institute of Technology
- MP8b1-3 Non-Orthogonal Iris Recognition Using a One-Dimensional Approach
Ruth Gaunt, Robert W. Ives, Delores Etter, U.S. Naval Academy
- MP8b1-4 Image Preprocessing for Non-Orthogonal Iris Recognition
Lauren R. Kennell, Robert W. Ives, Randy P. Broussard, U.S. Naval Academy
- MP8b1-5 Colluder Detection for Nonlinear Collusion Attacks
Yingwei Yao, University of Illinois at Chicago
- MP8b1-6 Biometrics for Human Face Reconstruction in 3D
Frédérique Robert-Inacio, L2MP-ISEN Toulon; Frédéric Caudal, Cédric Rousset, ISEN Toulon
- MP8b1-7 Uncooled Infrared Imaging Face Recognition using Kernel-based Feature Vector Selection
Ioannis Alexandropoulos, Monique Fargues, Naval Postgraduate School

Session MP8b2 Wireless Networks

- MP8b2-1 Time-Delay Set-Selection
William Clarkson, Dale Joachim, Tulane University
- MP8b2-2 Digital Notch Filters - A Number Theoretic Approach
Siwoo Noh, Fred Taylor, University of Florida
- MP8b2-3 Low-SNR analysis of cellular systems with cooperative base stations and mobiles
Oswaldo Simeone, Oren Somekh, Yeheskel Bar-Ness, New Jersey Institute of Technology; Umberto Spagnolini, Politecnico di Milano
- MP8b2-4 Spectrally Efficient Cooperative Diversity Protocols for Wireless Networks
Tharm Ratnarajah, Mathini Sellathurai, Queen's University Belfast
- MP8b2-5 Outage-Optimal Transmission Strategies for Rayleigh Fading Relay Channels
Yonglan Zhu, Yan Xin, Pooi-Yuen Kam, National University of Singapore
- MP8b2-6 Low Complexity Multiuser MIMO Scheduling with Channel Decompositio
Xiaojie Zhang, Jungwoo Lee, Seoul National University
- MP8b2-7 Upper Bounds on the Ergodic and Outage Capacities of Relay Networks Using UWB Links
Zolfa Zeinalpour-Yazdi, Telecommunications Research Center Vienna (ftw.); Masoumeh Nasiri-Kenari, Sharif University of Technology; Joachim Wehinger, Christoph Mecklenbräuker, Telecommunications Research Center Vienna (ftw.)
- MP8b2-8 On Interface Rate Allocation for a Fiber Aided Wireless Network Architecture
Siddharth Ray, Muriel Medard, Lizhong Zheng, Massachusetts Institute of Technology

- MP8b2-9 OFDM2A: A Centralized Resource Allocation Policy for Multi-hop Cellular Backhaul
Ozgur Oyman, Intel Corporation
- MP8b2-10 Cooperative Transmission Protocol With Full Diversity and Low Complexity Iterative Detection
Sajid Ahmed, Zhiguo Ding, Tharm Ratnarajah, Colin Cowan, Queen's University Belfast
- MP8b2-11 Outage Capacity of Two-Phase Space-Time Coded Cooperative Multicasting
Aitor del Coso, CTTC; Oswaldo Simeone, Yeheskel Bar-Ness, New Jersey Institute of Technology; Christian Ibars, CTTC
- MP8b2-12 Distributed MIMO for Cellular Networks with Multihop Transmission Protocols
Ingmar Hammerström, Marc Kuhn, Armin Wittneben, ETH-Zurich
- MP8b2-13 Rate-Diversity Trade-offs in Interference Channels with and without Cooperation
Chaitanya Rao, Babak Hassibi, California Institute of Technology
- MP8b2-14 Two-way Communication for IEEE 802.11n WLANs using Decode and Forward Relays
Marc Kuhn, Azadeh Etefagh, Ingmar Hammerström, Armin Wittneben, ETH-Zurich
- MP8b2-15 Low Complexity Adaptive Modulation for 802.11n Beamforming Systems
Pengfei Xia, Huaning Niu, Chiu Ngo, Samsung Electronics
- MP8b2-16 Lifetime Maximization for Joint Estimation in Wireless Sensor Networks
Bing Hwa Cheng, University of California, Los Angeles; Aria Nosratinia, University of Texas at Dallas; Kung Yao, University of California, Los Angeles
- MP8b2-17 Joint Design and Separation Principle for Opportunistic Spectrum Access
Yunxia Chen, Qing Zhao, University of California, Davis; Ananthram Swami, Army Research Laboratory
- MP8b2-18 Initial Synchronization for 802.16e Downlink
Tejas Bhatt, Vishwas Sundaramurthy, Nokia Inc.; Jianzhong (Charlie) Zhang, Motorola Inc.; Dennis McCain, Nokia Inc.
- MP8b2-19 An Achievable Rate Region for a Multiuser Half Duplex Two-Way Channel
Debashis Dash, Ahmad Khoshnevis, Ashutosh Sabharwal, Rice University
- MP8b2-20 Interference-Aware Scheduling and Routing in Unstructured Wireless Networks
Joseph Thomas, University of Maryland
- MP8b2-21 Synchronization and Performance of a Cooperative Pulse Transmission Algorithm for a Wireless Network of Active Sensors
T. Owens Walker III, Murali Tummala, J. Bret Michael, Naval Postgraduate School

MP8b2-22	A Systematic Construction of LDPC Codes for Relay Channel in Time-Division mode <i>Alexandre de Baynast, Arnab Chakrabarti, Ashutosh Sabharwal, Behnaam Aazhang, Rice University</i>	
MP8b2-23	A New Bound on the Outage Probability of Orthogonal Space-time Coded Systems with Antenna Selection <i>Shahab Sanayei, ArrayComm LLC</i>	
MP8b2-24	Resolving Wireless Collisions in Random Access Networks <i>Frank Prihoda, Athina P. Petropulu, Drexel University</i>	

Session TA1

Active Sensing and Waveform Diversity

Chair: *Antonia P.-S*

TA1-1	Adaptive Waveform Design for a Multi-Antenna Radar System <i>Benjamin Friedlander, University of California, Santa Cruz</i>	8:30 AM
TA1-2	Virtual Array Processing for Active Sensing <i>Louis Scharf, Colorado State University; Ali Pezeshki, Princeton University</i>	8:55 AM
TA1-3	Sequential Detection of a Target in Compound-Gaussian Clutter <i>Jiang Wang, Arye Nehorai, Washington University in St. Louis</i>	9:20 AM
TA1-4	A Subspace-Based Approach to Sea Clutter Suppression For Improved Target Detection <i>Sandeep Sira, Douglas Cochran, Antonia Papandreou-Suppappola, Darryl Morrell, Arizona State University; William Moran, University of Melbourne; Stephen Howard, Defense Science and Technology Organization</i>	9:45 AM
	BREAK	10:10 AM
TA1-5	Polarization Diversity for Radar Detection <i>Robert Calderbank, Princeton University; Stephen Howard, Defense Science and Technology Organization; William Moran, University of Melbourne; Ali Pezeshki, Princeton University; Michael Zoltowski, Purdue University</i>	10:30 AM
TA1-6	Spatial Transmit Processing using Long-Term Channel Statistics and Pilot Signaling on Selected Antennas <i>David Hammarwall, Björn Ottersten, Royal Institute of Technology (KTH)</i>	10:55 AM
TA1-7	Superimposed vs. Conventional Pilots for Channel Estimation <i>Aditya Jagannatham, Bhaskar Rao, University of California, San Diego</i>	11:20 AM
TA1-8	Asymptotic Noise Analysis of Time Reversal Detection <i>Yuanwei Jin, Jose M.F. Moura, Carnegie Mellon University</i>	11:45 AM

Session TA2

MIMO Scheduling

Chair: *Elif Uysal-Biyikoglu*

TA2-1	Dirty Paper Coding vs. Linear Precoding for MIMO Broadcast Channels <i>Juyul Lee, Nihar Jindal, University of Minnesota</i>	8:30 AM
TA2-2	Quantizer Design for Feedback in MIMO Broadcasting Systems <i>Charles Swannack, Massachusetts Institute of Technology; Elif Uysal-Biyikoglu, The Ohio State University; Gregory Wornell, Massachusetts Institute of Technology</i>	8:55 AM
TA2-3	On User Selection for Multiple Antenna Wireless Networks with Contention-Based Feedback and Delay Constraints <i>Seung Young Park, David Love, Purdue University; Daeyoung Park, Samsung Electronics</i>	9:20 AM
TA2-4	Opportunistic Feedback for the MIMO Downlink with Linear Receivers <i>Taiwen Tang, Robert W. Heath Jr., University of Texas at Austin; Sunghyun Cho, Samsung Advanced Institute of Technology</i>	9:45 AM
	BREAK	10:10 AM
TA2-5	Differentiated rate scheduling for MIMO broadcast channels with estimation errors <i>Babak Hassibi, Ali Vakili, Amir F. Dana, California Institute of Technology</i>	10:30 AM
TA2-6	A Beamforming and Combining Strategy for MIMO-OFDM over Doubly Selective Channels <i>Sibasish Das, Philip Schniter, The Ohio State University</i>	10:55 AM
TA2-7	Spatial and Temporal Power Allocation for MISO Systems with Delayed Feedback <i>Venkata Sreekanta Reddy Annapureddy, Srikrishna Bhashyam, Indian Institute of Technology Madras</i>	11:20 AM
TA2-8	An Efficient MAC Protocol for MIMO-OFDM Ad hoc Networks <i>Duong Hoang, Ronald A. Iltis, University of California, Santa Barbara</i>	11:45 AM

Session TA3

Computer-aided Diagnosis

Chair: *Mia K. Markey*

TA3-1	Computer Aided Diagnosis in Mammography: Its Development and Early Challenges <i>Brian Dolan, University of California, San Francisco</i>	8:30 AM
TA3-2	Registration of DCE MR Images for Computer-aided Diagnosis of Breast Cancer <i>Qiu Wu, University of Texas at Austin; Gary Whitman, University of Texas M. D. Anderson Cancer Center; Donald Fussell, Mia Markey, University of Texas at Austin</i>	8:55 AM

TA3-3	Adaptive and Robust Techniques (ART) for Thermoacoustic Tomography in Breast Cancer Detection <i>Yao Xie, Bin Guo, Jian Li, University of Florida; Geng Ku, Lihong Wang, Texas A&M University</i>	9:20 AM
TA3-4	Atherosclerotic Plaque Motion Analysis from Ultrasound Videos <i>Sergio E. Murillo, Marios S. Pattichis, University of New Mexico; Christos Loizou, Intercollege Limassol Campus; Constantinos S. Pattichis, University of Cyprus; Efthymoulos Kyriacou, Cyprus Institute of Neurology and Genetics; Anthony G. Constantinides, Andrew Nicolaides, Imperial College</i>	9:45 AM
	BREAK	10:10 AM
TA3-5	Tumor Classification in Histological Images of Prostate Using Color Texture <i>Ali Tabesh, Mikhail Teverovskiy, Aureon Laboratories, Inc.</i>	10:30 AM
TA3-6	Gene Expression Based CNS Tumor Prototype for Automatic Tumor Detection <i>Atiqul Islam, Khan Iftekharuddin, E. Olusegun George, University of Memphis</i>	10:55 AM
TA3-7	Estimating Respiratory Parameters using Intra-Arterial Partial Pressure Measurements <i>Aleksandar Jeremic, Kenneth Tan, McMaster University</i>	11:20 AM
TA3-8	Particle Filter Tracking of Multiple Rolling Leukocytes in Vivo <i>Jing Cui, Scott T. Acton, Zongli Lin, University of Virginia</i>	11:45 AM

Session TA4 Applications of Multirate DSP

Chair: *Chuck Creusere*

TA4-1	Double Density Complex Wavelet Based Image Cartoon-Texture Decomposition <i>Gary hewer, Wei Kuo, Grant Hanson, Frederick Sickman, NAVAIR</i>	8:30 AM
TA4-2	Analysis of multi-rate filters and signal design for projected image superimposition <i>Amir Said, Hewlett Packard</i>	8:55 AM
TA4-3	Analyzing Reversible Lapped Transformations using RENG Probing <i>Charles Creusere, V. Mahitha Prasad, New Mexico State University</i>	9:20 AM
TA4-4	Symmetry-preserving Lattice Vector Quantization for Reversible Half Sample Symmetric FIR Filter Bands <i>Christopher M. Brislawn, Brendt Wohlberg, Los Alamos National Laboratory</i>	9:45 AM
	BREAK	10:10 AM
TA4-5	Video Processing Using the 3-Dimensional Surfacelet Transform <i>Yue Lu, Minh N. Do, University of Illinois at Urbana-Champaign</i>	10:30 AM

TA4-6	A Precoding and Equalisation Design Based on Oversampled Filter Banks for Dispersive Channels with Correlated Noise} <i>Chunguang Liu, Chi Hieu Ta, Stephan Weiss, University of Strathclyde</i>	10:55 AM
TA4-7	Efficient Implementation of FIR Filter Based Rational Sampling Rate Converters Using Constant Matrix Multiplication <i>Oscar Gustafsson, Hakan Johansson, Linkoping University</i>	11:20 AM
TA4-8	An Iterative Weighted Norm Algorithm for Total Variation Regularization <i>Paul Rodriguez, Brendt Wohlberg, Los Alamos National Laboratory</i>	11:45 AM

Session TA5 VLSI Digital Signal Processing

Chair: *W. Kenneth Jenkins*

TA5-1	Arithmetic for VLSI Signal Processing <i>Earl Swartzlander, University of Texas at Austin</i>	8:30 AM
TA5-2	VLSI Architectures for JPEG 2000 EBCOT: Design Techniques and Challenges <i>Yijun Li, Magdy Bayoumi, University of Louisiana at Lafayette</i>	8:55 AM
TA5-3	An architectural comparison of Reed-Solomon soft-decoding algorithms <i>Arshad Ahmed, Naresh Shanbhag, Ralf Koetter, University of Illinois at Urbana-Champaign</i>	9:20 AM
TA5-4	An Exploration of Hardware Architectures for Face Detection <i>Kevin Irick, Pennsylvania State University; Theocharis Theocharides, University of Cyprus; Vijaykrishnan Narayanan, Mary Jane Irwin, Pennsylvania State University</i>	9:45 AM
	BREAK	10:10 AM
TA5-5	High Performance VLSI Signal Processing Using Multiple Base Representations <i>Graham Jullien, Vassil Dimitrov, University of Calgary; Roberto Muscedere, University of Windsor</i>	10:30 AM
TA5-6	Fault Tolerance in Adaptive VLSI Signal Processors Subject to Fixed and Transient Hardware Errors <i>Kenneth Jenkins, Siddharth Pal, Jagdish Sabarad, Pennsylvania State University</i>	10:55 AM
TA5-7	Truncated Multiplication with Symmetric Correction <i>Hyuk Park, Earl Swartzlander, University of Texas at Austin</i>	11:20 AM
TA5-8	Fixed-Width Multi-Level Recursive Multipliers <i>Kevin Biswas, Huapeng Wu, Majid Ahmadi, University of Windsor</i>	11:45 AM

Session TA6 MIMO Channel Modeling

Chair: *Visa Koivunen*

TA6-1	State-Space Modeling and Propagation Parameter Tracking: Multitarget tracking based approach <i>Jussi Salmi, Andreas Richter, Visa Koivunen, Helsinki University of Technology</i>	8:30 AM
TA6-2	On Doubly-Dispersive MIMO Channels <i>Gerald Matz, Technische Universitaet Wien</i>	8:55 AM
TA6-3	The Contribution of Distributed Diffuse Scattering in Radio Channels to Channel Capacity: Estimation and Modelling <i>Andreas Richter, Helsinki University of Technology</i>	9:20 AM
TA6-4	Detecting Specular Propagation Paths in the Presence of Distributed Scattering in Angle and Delay Domains <i>Cássio Ribeiro, Nokia Institute of Technology; Andreas Richter, Visa Koivunen, Helsinki University of Technology</i> BREAK	9:45 AM 10:10 AM
TA6-5	Evaluation of propagation parameter estimation results based on realistic channels <i>Markus Landmann, Reiner S. Thoma, Ilmenau University of Technology</i>	10:30 AM
TA6-6	MIMO Cross Polarisation Channel Characterisation and Performance of Turbo MIMO Concepts in Measured Indoor and Outdoor Environments <i>Christian Schneider, Markus Landmann, Reiner S. Thoma, Ilmenau University of Technology</i>	10:55 AM
TA6-7	A Novel Wideband MIMO Channel Model and McMaster’s Wideband MIMO Software Defined Radio <i>Nelson Costa, Simon Haykin, McMaster University</i>	11:20 AM
TA6-8	Higher Order SVD based Subspace Estimation to Improve Multi-Dimensional Parameter Estimation Algorithms <i>Florian Roemer, Martin Haardt, Ilmenau University of Technology</i>	11:45 AM

**Session TA7 Models for Image and Video
Processing**

Chair: *Ilya Pollak*

TA7-1	Quality-aware video streaming in wireless mesh networks with optima dynamic routing and time allocation <i>H-P Shiang, D. Krishnaswamy, M. van der Schaar, University of California, Los Angeles</i>	8:30 AM
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TA7-2	Optimally sparse image representations using shearlets. <i>Demetrio Labate, North Carolina State University; Wang- Q Lim, Washington University; Glenn Easley, System Planning Corporation</i>	8:55 AM
TA7-3	Video Modeling via Spatio-Temporal Adaptive Localized Learning (STALL) <i>Yunfei Zheng, Xin Li, West Virginia University</i>	9:20 AM
TA7-4	Statistical Analysis of Shape Matching Using Distribution of Distances <i>Mireille Boutin, Mary Comer, Purdue University</i> BREAK	9:45 AM 10:10 AM
TA7-5	Standard-Compliant Integer DCT and IDCT Based on the Lifting Scheme <i>LJIE LIU, Trac D. Tran, Johns Hopkins University</i>	10:30 AM
TA7-6	Nonlinear Dimensionality Reduction on 3-D Protein Image Analysis <i>Guisong Wang, Jason Kinser, George Mason University</i>	10:55 AM
TA7-7	Shoreline Detection in Images for Autonomous Boat Navigation <i>Anbumani Subramanian, Xiaojin Gong, Chris Wyatt, Virginia Polytechnic Institute and State University</i>	11:20 AM
TA7-8	New Block-Based Local-Texture-Dependent Correlation Model of Digitized Natural Video <i>Jing Hu, UC Santa Barbara; Jerry D. Gibson, University of California, Santa Barbara</i>	11:45 AM

Session TA8a1 Adaptive Systems and Algorithms

Chair: *Dennis Morgan*

TA8a1-1	Metrics for Target Tracking <i>Dave Swarder, University of California, San Diego; John Boyd, Cubic Defense Systems; Gary Hutchins, Naval Postgraduate School; Robert Elliott, University of Calgary</i>	
TA8a1-2	An Adaptive RLS MIMO Equalizer Algorithm for HSDPA <i>Dennis R. Morgan, Bell Laboratories, Lucent Technologies</i>	
TA8a1-3	Variable Step Size Adaptive Sub-sample Delay Estimation Using a Quadrature Phase Detector <i>Yan Shi, Southwest Jiaotong University; Adam Zielinski, University of Victoria</i>	
TA8a1-4	Constrained MMSE for Improved Detection <i>Benjamin Friedlander, University of California, Santa Cruz</i>	
TA8a1-5	New Technique for Attenuation of Narrow-Band Interference With Applications in Control and Communications Systems <i>Michael Soderstrand, City College of Moore; Louis Johnson, Oklahoma State University; Steven Phillips, SPC Consulting</i>	
TA8a1-6	A kernel-based RLS algorithm for nonlinear adaptive filtering using sparse approximation theory <i>Cédric Richard, University of Tech. Troyes</i>	

- TA8a1-7 Adaptive Arrays for Broadband Communications in the Presence of Co-Channel Interference
Xiayu Zheng, University of Florida; Petre Stoica, Uppsala University; Jian Li, University of Florida; Renbiao Wu, Civil Aviation University of China
- TA8a1-8 An Adaptive Cellular Network for Subspace Extraction
Heinz Koepl, University of California, Berkeley
- TA8a1-9 Adaptive Carrier Tracking for Direct-to-Earth Mars Communications
Cassio Lopes, University of California, Los Angeles; Edgar Satorius, Jet Propulsion Laboratory - NASA; Ali H. Sayed, University of California, Los Angeles

Session TA8a2 Video Coding and Analysis

Chair: *Pamela Cosman*

- TA8a2-1 Achieving Diagnostic Losslessness Within a Region-Of-Interest Based on a Group-of-Pictures Rate Control Algorithm with Encoding Parameter Updates
Sira Rao, Nikil Jayant, Georgia Institute of Technology
- TA8a2-2 An H.264/AVC video coder based on Multiple Description Scalar Quantizer
Ottavio Campana, Roberto Contiero, University of Padova
- TA8a2-3 High-Speed Error Resilient Stereoscopic Video Coder
Jian-Hung Lin, Keshab K. Parhi, University of Minnesota
- TA8a2-4 Partial-Order Bit-Allocation Schemes for Low Rate Quantization
Sean Ramprasad, DoCoMo USA Labs
- TA8a2-5 Estimating the complex index of refraction and view angle of an object using multiple polarization measurements
Vimal Thilak, Charles Creusere, David Voelz, New Mexico State University
- TA8a2-6 Efficient Motion Accuracy Search for Global Motion Vector Coding
Gokce Dane, Thomson Corporate Research; Truong Nguyen, University of California, San Diego
- TA8a2-7 Hiddenness control of hidden Markov models and application to objective speech quality and isolated-word speech recognition
Gaurav Talwar, Robert Kubichek, Hongkang Liang, University of Wyoming
- TA8a2-8 A Video Analysis for Detecting Eye Blinking using a High-Speed Camera
Kazuo Ohzeki, Bunhin Ryo, Shibaura Institute of Technology
- TA8a2-9 Low Complexity Scalable Video Coding
Cheolhong An, Truong Nguyen, University of California, San Diego
- TA8a2-10 An Algorithm for Intra-Frame Video Coding Based on Continuous-Valued Syndromes
Lorenzo Cappellari, Gian Antonio Mian, University of Padova

- TA8a2-11 Motion Vector Field Manipulation for Complexity Reduction in Scalable Video Coding
Meng-Ping Kao, Truong Nguyen, University of California, San Diego
- TA8a2-12 Source and Channel coding trade-offs for a pulsed quality video encoder
Vijay Chellappa, Pamela Cosman, Geoffrey Voelker, University of California, San Diego
- TA8a2-13 Region-based fusion of IR and night vision images
Khin C. Chow, Monique Fargues, Alfred Cooper, Naval Postgraduate School

Session TA8a3 Speech and Audio Processing

Chair: *Chris Kyriakakis*

- TA8a3-1 Packet Loss Concealment for Multichannel Audio Using the Multiband Source/Filter Model
Kiki Karadimou, Athanasios Mouchtaris, Panagiotis Tsakalides, Foundation for Research and Technology-Hellas (FORTH)
- TA8a3-2 Binaural Model Based Adaptive Binaural Noise Reduction
Chris Kyriakakis, Hesu Huang, University of Southern California
- TA8a3-3 Multichannel matching pursuit and applications to spatial audio coding
Michael Goodwin, Creative Advanced Technology Center
- TA8a3-4 Laguerre-Based Linear Prediction Using Perceptual Biasing
Arijit Biswas, Technische Universiteit Eindhoven; Albertus C. den Brinker, Philips Research Laboratories
- TA8a3-5 Speech Unit Selection Based on Matching Pursuit
Mehdi Hosseinpour, Mohamad R. Nezami Ranjbar, Mahmoud Mousavinejad, ITRC
- TA8a3-6 Variable Order Harmonic Sinusoidal Parameter Estimation for Speech and Audio Signals
Mads Græsbøll Christensen, Søren Holdt Jensen, Aalborg University
- TA8a3-7 The Effect of DC Biasing on Nonlinear Compensation of Small Loudspeakers
Khosrow Lashkari, DoCoMo USA Labs
- TA8a3-8 Room Acoustic Response Modeling and Equalization with Linear Predictive Coding and Parametric Filters for Speech and Audio Enhancement
Sunil Bharitkar, Audyssey Labs. / University of Southern California; Yun Zhang, Audyssey Labs.; Chris Kyriakakis, University of Southern California / Audyssey Labs.
- TA8a3-9 Singer-Dependent Falsetto Detection for Live Vocal Processing Based on Support Vector Classification
Gautham Mysore, Ryan Cassidy, Julius Smith, Stanford University
- TA8a3-10 Classification using Hermite Basis Functions
Christopher Lowrie, Florida Institute of Technology

Session TA8b1 DSP Applications and Systems

Chair: *Edgar Satorius*

- TA8b1-1 A High Throughput Beamforming Architecture for MIMO Systems
Melissa Duarte, Ashutosh Sabharwal, Rice University; Chris Dick, Raghu Rao, Xilinx Inc.
- TA8b1-2 Automated Hardware IP Generation for Digital Signal Processing Applications
Ramsey Hourani, Youngsoo Kim, Winsor Alexander, North Carolina State University
- TA8b1-3 Performance Evaluation of Two LMMSE Detectors in a MIMO-OFDM Hardware Testbed
Markus Myllylä, University of Oulu; Matti Limingoja, Aaron Byman, Elektrobit Ltd.; Joseph R. Cavallaro, Rice University; Markku Juntti, University of Oulu
- TA8b1-4 Optimized Viterbi Decoder for Low Data Rate Systems
Domenico Bianchi, Gian Carlo Cardarilli, Andrea Del Re, Marco Re, University of Rome Tor Vergata
- TA8b1-5 Implementation of Polyphase Channelizers for Multirate Signal Analysis
Edgar Satorius, Jet Propulsion Laboratory - NASA; Ying-Wah Wu, Brian LaRocca, U.S. Army I2WD
- TA8b1-6 Soft Sphere Detection with Bounded Search for High-Throughput MIMO Receivers
Predrag Radosavljevic, Joseph R. Cavallaro, Rice University
- TA8b1-7 Efficient Implementation of DFT over $GF(q^m)$
Huapeng Wu, University of Windsor
- TA8b1-8 The area and latency tradeoffs of binary bit-parallel BCH decoders for prospective nanoelectronics memories
Dmitri Strukov, Stony Brook Univeristy
- TA8b1-9 Zero-copy Queues for Native Signal Processing Using the Virtual Memory System
Gregory Allen, Brian L. Evans, University of Texas at Austin
- TA8b1-10 Decoding of Array LDPC Codes using On-The-Fly Computation
Kiran Gunnam, Weihuang Wang, Euncheol Kim, Gwan Choi, Texas A&M University; Mark Yeary, University of Oklahoma
- TA8b1-11 Real-Time QRD-Based Beamforming on an FPGA Platform
Chris Dick, Xilinx Inc.; fred harris, Dragan Vucetic, San Diego State University; Miroslav Pajic, Signum Concepts
- TA8b1-12 A New Side Channel Resistant Scalar Point Multiplication Method for Binary Elliptic Curves
Aaron Cohen, Keshab K. Parhi, University of Minnesota

Session TA8b2 Statistical Signal Processing and Applications II

- TA8b2-1 A Fast Generalized Likelihood Ratio Test For Single-Sinusoid Detection
Jeffrey Klein, ATK Mission Research

- TA8b2-2 Maximum Likelihood Estimation of Range of Polynomial Amplitude Modulated Complex Scatterers
Theagenis Abatzoglou, Raytheon Space and Airborne Systems 10:55 AM
- TA8b2-3 Output-Energy Filters in Noncoherent Pulse-Event Detection
Gerald Cain, DSP Creations Limited; Anush Yardim, University of Westminster; Bobby Mughal, DSP Creations Limited 11:20 AM
- TA8b2-4 Optimal Signal Selection for FIR Matched Filtering in Pole-Only Noise
Gerald Cain, DSP Creations Limited; Anush Yardim, University of Westminster; Mehboob Mughal, DSP Creations Limited 11:45 AM
- TA8b2-5 BREAK 10:10 AM
- TA8b2-5 Cramer Rao Lower Bound for Blind Timing Offset Estimation of a Two-channel Time-interleaved A/D Converter
Steve Huang, Bernard Levy, University of California, Davis 12:10 PM
- TA8b2-6 Estimation of the Number of Sources Present in Instantaneous and Anechoic Mixtures
Bing Hwa Cheng, HRL Laboratories; Shubha Kadambe, Office of Naval Research; Wesley Dwelly, Vinh Adams, Raytheon 12:35 PM
- TA8b2-7 Computational Efficient Transceiver Optimization for Multiuser MIMO Systems: Power Minimization with User-MMSE Requirements
Shuying Shi, Martin Schubert, Holger Boche, Fraunhofer German-Sino Lab for Mobile Communications MCI 1:00 PM
- TA8b2-8 Throughput Analysis of Diversity and Multiplexing Schemes for MIMO-SIC OFDM systems
Aydin Sezgin, Malte Schellmann, Volker Jungnickel, Fraunhofer Institute for Telecommunications - Heinrich-Hertz-Institut; Elena Costa, Siemens AG 1:25 PM
- TA8b2-9 Accounting for Number of Sources Uncertainty in Blind Source Separation.
Hichem Snoussi, UTT; Mahieddine Ichir, Ali Mohammad-Djafari, L2S 1:50 PM
- TA8b2-10 Frequency Offset Effects on Maximin Algorithm with a Step-Length Estimation Technique
Hyuck Kwon, Dong-Hyeuk Yang, Wichita State University 2:15 PM

Session TA8b3 Space-Time Coding

- TA8b3-1 Design of Distributed Randomized Space-Time Coding schemes for Cooperative Communication
Stefano Savazzi, Umberto Spagnolini, Politecnico di Milano
- TA8b3-2 Direct Space-Time $GF(q)$ LDPC Modulation
Adam Margetts, Keith Forsythe, Daniel Bliss, Massachusetts Institute of Technology Lincoln Laboratory

TA8b3-3	Analytical BER Analysis of Space Time Block Coded Systems over Frequency Selective Rician Fading Channels <i>Tung Lai, University of Calgary; Tuan Tran, McGill University; Abu Sesay, University of Calgary</i>	BREAK	3:10 PM
TA8b3-4	An Alternative Filter Bank View for Real Orthogonal STBC in Frequency Selective Channel <i>Ka Shun Carson Pun, Truong Nguyen, University of California, San Diego</i>	TP1-5	Multiple Description for Audio Packet Networks - A Comparative Study <i>W. Bastiaan Kleijn, Royal Institute of Technology (KTH); Jan Skoglund, Global IP Sound</i>
TA8b3-5	Hierarchical Diversity-Embedding Space-Time Block Coding <i>K.M. Zahidul Islam, Naofal Al-Dhahir, University of Texas at Dallas</i>	TP1-6	Voice Communications over Tandem Wireline IP and WLAN Connections <i>Jerry D. Gibson, Bo Wei, Sayantan Choudhury, University of California, Santa Barbara</i>
TA8b3-6	Asymptotic Behavior of Extended Alamouti Schemes for large number of receive antennas <i>Markus Rupp, Vienna University of Technology; Christoph Mecklenbräuker, Forschungszentrum Telekommunikation Wien</i>	TP1-7	Enhanced Partitioned Stereo Residual Echo Estimation <i>Stefan Goetze, University of Bremen; Markus Kallinger, Carl von Ossietzky-University Oldenburg; Karl-Dirk Kammeyer, University of Bremen; Alfred Mertins, Carl von Ossietzky-University Oldenburg</i>
TA8b3-7	On Improving 4x4 Space-Time Codes <i>Frederique Oggier, California Institute of Technology; Gregory Berhuy, University of Southampton</i>	TP1-8	Model-based eigenspectrum estimation for speech enhancement <i>Vinesh Bhunjun, Mike Brookes, Patrick A. Naylor, Imperial College London</i>
TA8b3-8	On Precoding for High Spatial Rate Space Time Codes <i>Erik Stauffer, Mohamad Charafeddine, Arogyaswami Paulraj, Stanford University</i>		
TA8b3-9	Differential Diversity-Embedding Space-Time Block Coding <i>Payam Rabiei, Naofal Al-Dhahir, University of Texas at Dallas</i>		
TA8b3-10	A Systematic Approach to the Design of Space-Time Block Coded MIMO Systems <i>Jo-Yen Nieh, Murali Tummala, Patrick Vincent, Naval Postgraduate School</i>		

Session TP1

Topics in Speech Processing for Next Generation Systems

Chair: Sean Ramprashad

TP1-1	MOSx and Voice Outage Rate in Wireless Communications <i>Sayantan Choudhury, Niranjan Shetty, Jerry D. Gibson, University of California, Santa Barbara</i>	1:30 PM
TP1-2	Distortion tradeoffs of different Layered Speech and Media Transmission Techniques over Wireless MIMO Systems <i>Sean Ramprashad, Christine Pepin, Ulas Kozat, DoCoMo USA Labs</i>	1:55 PM
TP1-3	BroadVoice®16: A PacketCable Speech Coding Standard for Cable Telephony <i>Raymond (Juin-Hwey) Chen, Jes Thyssen, Broadcom Corporation</i>	2:20 PM
TP1-4	Microphone array for spatial sound analysis and reconstruction <i>Jens Meyer, Gary W. Elko, mh acoustics</i>	2:45 PM

Session TP2

Resource Allocation in Networks

Chair: Mingyan Liu

TP2-1	Optimal Sleep Scheduling of a Wireless Sensor Node <i>David Shuman, Mingyan Liu, University of Michigan</i>	1:30 PM
TP2-2	Power Allocation in Linear and Tree WSN Topologies <i>Gautam Thattai, Urbashi Mitra, University of Southern California</i>	1:55 PM
TP2-3	Optimal Scheduling for OFDMA Systems <i>Rajeev Agrawal, Motorola Inc.; Randall Berry, Northwestern University; Jianwei Huang, Princeton University; Vijay Subramanian, Motorola Inc.</i>	2:20 PM
TP2-4	Uplink Power Allocation in Multicarrier Wireless Networks with Interference Cancellation <i>Christopher Lott, Donna Ghosh, QUALCOMM Inc.</i>	2:45 PM
	BREAK	3:10 PM
TP2-5	Delay Optimal Transmission Scheduling under Energy and Deadline Constraints <i>Bahadir Sarikaya, Sennur Ulukus, University of Maryland</i>	3:30 PM
TP2-6	Stability analysis of the cognitive interference channel <i>Oswaldo Simeone, Yeheskel Bar-Ness, New Jersey Institute of Technology; Umberto Spagnolini, Politecnico di Milano</i>	3:55 PM
TP2-7	Game Theoretic Approach to Joint CDMA Codeword and Power Adaptation <i>Catalin Lacatus, Dimitrie C. Popescu, University of Texas at San Antonio</i>	4:20 PM

TP2-8 A General Optimization Framework for 4:45 PM
Stochastic Routing in Wireless Multi-hop Networks
Alejandro Ribeiro, Zhi-Quan (Tom) Luo, University of Minnesota; Nikos Sidiropoulos, Technical University of Crete; Georgios B. Giannakis, University of Minnesota

Session TP3a Sparse Adaptive Systems

Chair: *Steven Grant*

TP3a-1 Attacking the Slow Final Convergence Rate 1:30 PM
of PNLMS
Ashrith Deshpande, Steven L. Grant, University of Missouri-Rolla

TP3a-2 Efficient use of sparse adaptive filters 1:55 PM
Andy W. H. Khong, Patrick A. Naylor, Imperial College

TP3a-3 Proportionate Adaptation and Partial Updates 2:20 PM
in Constrained Adaptive Filters
Richard K. Martin, Air Force Institute of Technology

TP3a-4 Adaptive NLMS Partial Crosstalk 2:45 PM
Cancellation in Digital Subscriber Lines
John Homer, Mandar Gujrathi, University of Queensland; Raphael Cendrillon, Marvell Hong Kong Ltd; Vaughan Clarkson, University of Queensland; Marc Moonen, Katholieke Universiteit Leuven

Session TP3b Blind Source Separation

Chair: *Shoji Makino*

TP3b-1 Independent Vector Analysis 3:30 PM
Taesu Kim, KAIST; Intae Lee, Te-Won Lee, University of California, San Diego

TP3b-2 Recognition of convolutive speech mixtures 3:55 PM
by missing feature techniques for ICA
Dorothea Kolossa, TU Berlin; Hiroshi Sawada, NTT Corporation; Ramon Fernandez Astudillo, Reinhold Orglmeister, TU Berlin; Shoji Makino, NTT Corporation

TP3b-3 Convolutive Demixing with Sparse Discrete 4:20 PM
Prior Models for Markov Sources
Justinian Rosca, Siemens Corporate Research

TP3b-4 Blind separation and localization of speeches 4:45 PM
in a meeting situation
Hiroshi Sawada, Shoko Araki, Ryo Mukai, Shoji Makino, NTT Corporation

Session TP4 Detection and Estimation

Chair: *Yonina Eldar*

TP4-1 Parameter estimation in linear models based 1:30 PM
on outage probability minimization
Sergiy Vorobyov, Darmstadt University of Technology; Yonina Eldar, Israel Institut of Technology - Technion; Alex Gershman, Darmstadt University of Technology

TP4-2 Investigation of Some Bias and MSE Issues 1:55 PM
in Block-Component-wise Conditionally Unbiased LMMSE
Mahdi Triki, Dirk T. M. Slock, Institut Eurecom

TP4-3 Causal cyclic Wiener filtering 2:20 PM
Mark Spurbeck, deceased (2002); Peter Schreier, University of Newcastle; Louis Scharf, Colorado State University

TP4-4 A Chebyshev Center Estimator in 2:45 PM
Regularized Regression with Bounded Noise
Yonina Eldar, Amir Beck, Technion

BREAK 3:10 PM

TP4-5 Compressive Sampling for Signal 3:30 PM
Classification
Jarvis Haupt, University of Wisconsin-Madison; Rui Castro, Rice University; Robert Nowak, University of Wisconsin-Madison

TP4-6 Channel Estimation in the Presence of 3:55 PM
Communications Impairments
Qiyue Zou, Alireza Tarighat, Ali H. Sayed, University of California, Los Angeles

TP4-7 Single Differential Modulation and Detection 4:20 PM
for MPSK in the Presence of Unknown Frequency Offset
Jianhua Liu, Embry-Riddle Aeronautical University; Petre Stoica, Uppsala University; Marvin Simon, Jet Propulsion Laboratory - NASA; Jian Li, University of Florida

TP4-8 Maximum Likelihood Covariance Estimation 4:45 PM
with a Condition Number Constraint
Joong Ho Won, Seung-Jean Kim, Stanford Univeristy

Session TP5 Integrated Algorithms and Architectures

Chair: *John Lach*

TP5-1 Model-based Mapping of Image Registration 1:30 PM
Applications onto Configurable Hardware
Yashwanth Hemaraj, Mainak Sen, University of Maryland, College Park; Raj Shekhar, Shuvra Bhattacharyya, University of Maryland, Baltimore County

TP5-2 Real-Time Processing of Ultrasound Images 1:55 PM
with Speckle Reducing Anisotropic Diffusion
Wengian Wu, Scott T. Acton, John Lach, University of Virginia

TP5-3 A multi-input multiplier unit suitable for 2:20 PM
adaptive DSP algorithm implementations
Yunhua Wang, Linda DeBrunner, Victor DeBrunner, Dayong Zhou, University of Oklahoma

TP5-4 Constraints Aided Modeling and Validation 2:45 PM
in Metropolis Framework
Guang Yang, University of California, Berkeley; Harry Hsieh, Alberto Sangiovanni-Vincentelli, University of California, Riverside; Xi Chen, Novas; Felice Balarin, Cadence

	BREAK	3:10 PM
TP5-5	Data-driven techniques for energy-efficient video processing <i>Vasily Moshnyaga, Fukuoka University</i>	3:30 PM
TP5-6	Power-performance optimal DSP architectures and ASIC implementation <i>Farhana Sheikh, Melinda Ler, Radu Zlatanovici, University of California, Berkeley; Dejan Markovic, University of California, Los Angeles; Borivoje Nikolic, University of California, Berkeley</i>	3:55 PM
TP5-7	A General Hardware/Software Codesign Methodology for Embedded Signal Processing and Multimedia Workloads <i>Michael Brogioli, Predrag Radosavljevic, Joseph R. Cavallaro, Rice University</i>	4:20 PM
TP5-8	Design and Implementation of an Energy Efficient Multimedia Playback System <i>Zhijian Lu, John Lach, Kevin Skadron, Mircea Stan, University of Virginia</i>	4:45 PM

Session TP6 MIMO Systems with Limited Feedback

Chair: *Bhaskar Rao*

TP6-1	Space-Time Coding and Beamforming Using Noisy Rate-Limited Feedback <i>Siavash Ekbatani, Hamid Jafarkhani, University of California, Irvine</i>	1:30 PM
TP6-2	MIMO Broadcast Channels with Digital Channel Feedback <i>Nihar Jindal, University of Minnesota</i>	1:55 PM
TP6-3	Coordinated Precoding for Multi-user MIMO Communication with Limited Feedforward <i>Chan-Byoung Chae, University of Texas at Austin; David Mazzarese, Samsung Electronics; Robert W. Heath Jr., University of Texas at Austin</i>	2:20 PM
TP6-4	Energy-Efficient MISO Systems Using Adaptive Modulation and Coding <i>Antonio G. Marques, Universidad Rey Juan Carlos; Xin Wang, Georgios B. Giannakis, University of Minnesota</i>	2:45 PM
	BREAK	3:10 PM
TP6-5	Analysis of MIMO Systems with Finite-Rate Channel State Information Feedback <i>Jun Zheng, Bhaskar Rao, University of California, San Diego</i>	3:30 PM
TP6-6	Optimum Power Allocation in Fading MIMO Multiple Access Channels with Partial CSI at the Transmitters <i>Alkan Soysal, Sennur Ulukus, University of Maryland</i>	3:55 PM
TP6-7	Limited Feedback Unitary Matrix applied to MIMO dmin-based Precoder <i>Jonathan Letessier, Baptiste Vrigneau, Philippe Rostaing, Gilles Burel, LEST - University of Brest</i>	4:20 PM

TP6-8	Zero-Forcing Beamforming with Semiorthogonal User Selection Modified for Reducing Feedback Information <i>Eun-Hee Shin, Dongwoo Kim, Hanyang University</i>	4:45 PM
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Session TP7a Advanced Beamforming in Medical Imaging

Chair: *Francesco Viola*

TP7a-1	Near-Field, Broadband Adaptive Beamforming for Ultrasound Imaging <i>Francesco Viola, William Walker, University of Virginia</i>	1:30 PM
TP7a-2	Real-time synthetic aperture imaging: opportunities and challenges <i>Svetoslav Nikolov, Jørgen Jensen, Borislav Tomov, Technical University of Denmark</i>	1:55 PM
TP7a-3	Parametric Ultrasonic Imaging Using Linear Arrays for Breast Cancer Detection <i>Pai-Chi Li, Sheng-Wen Huang, Cheng-Han Chang, National Taiwan University</i>	2:20 PM
TP7a-4	MIMO Radar Medical Imaging <i>Daniel Bliss, Keith Forsythe, Massachusetts Institute of Technology</i>	2:45 PM

Session TP7b Remote Sensing

Chair: *Randy Moses*

TP7b-1	Inferring Dynamic Dependency with Applications to Link Analysis <i>Michael Siracusa, John Fisher III, Massachusetts Institute of Technology</i>	3:30 PM
TP7b-2	Optimal Geometry Designs for Unconstrained and Topologically-Constrained Multistatic Sensors <i>Ryan Fogle, Brian Rigling, Wright State University</i>	3:55 PM
TP7b-3	Shape Estimation and Object Classification in Images Using Geometric Priors <i>Shantanu Joshi, Anuj Srivastava, Florida State University</i>	4:20 PM
TP7b-4	Enhanced Imaging over Complete Circular Apertures <i>E. Ertin, L. C. Potter, R. Moses, The Ohio State University</i>	4:45 PM

Session TP8a1 MIMO Systems

TP8a1-1	Analysis of a MISO Pre-BLAST-DFE Technique for Decentralized Receivers <i>Patrick Amihhood, Elias Masry, Laurence Milstein, John Proakis, University of California, San Diego</i>	
TP8a1-2	Uplink Multiuser MIMO Transceiver Design with Transmitting Beamforming under Power Constraints <i>Songnan Xi, Michael Zoltowski, Purdue University</i>	
TP8a1-3	Precoding for Multiple Antenna Broadcast Channels with Channel Mismatch <i>Amir Dabbagh, David Love, Purdue University</i>	

- TP8a1-4 Frame Error Rate Analysis of Coded MIMO Systems with Spatial Multiplexing
Mikko Vehkaperä, Markku Juntti, University of Oulu
- TP8a1-5 Statistical comparison between max-dmin, max-SNR and MMSE precoders
Baptiste Vrigneau, Jonathan Letessier, Philippe Rostaing, LEST-UMR CNRS 6165; Ludovic Collin, E3I2-EA3876; Gilles Burel, LEST-UMR CNRS 6165
- TP8a1-6 Max-dmin precoder performances in a polarity diversity MIMO channel
Baptiste Vrigneau, Jonathan Letessier, Philippe Rostaing, LEST-UMR CNRS 6165; Ludovic Collin, E3I2-EA3876
- TP8a1-7 Blind Equalization of Frequency Selective MIMO Systems via Statistical and Trellis-Based Methods
Ansgar Scherb, Karl-Dirk Kammeyer, University Bremen; Tianbin Wo, Peter Hoeher, University Kiel
- TP8a1-8 Diversity-Multiplexing Tradeoff of GMD/UCD with Antenna Selection
Yi Jiang, Mahesh Varanasi, University of Colorado at Boulder
- TP8a1-9 Estimation of Frequency-Selective Block-Fading MIMO Channels Using PARAFAC Modeling and Alternating Least Squares
André de Almeida, Gérard Favier, Laboratoire I3S/CNRS; João Cesar Mota, Wireless Telecom Research Group (GTEL)
- TP8a1-10 Rate-Maximized Switching Between Spatial Transmission Modes
Malte Schellmann, Volker Jungnickel, Aydin Sezgin, Fraunhofer Institute for Telecommunications - Heinrich-Hertz-Institut; Elena Costa, Siemens AG
- TP8a1-11 Modified V-BLAST Symbol Detection Under Channel Uncertainties for MIMO Systems
Hyun Jong Yang, Joohwan Chun, Korea Advanced Institute of Science and Technology
- TP8a1-12 Diversity and Multiplexing Switching in 802.11n MIMO Systems
Huaning Niu, Chiu Ngo, Samsung Electronics
- TP8a1-13 BER Approximation for Extended V-BLAST Codes with Selection Combining
In-Ho Lee, Dongwoo Kim, Hanyang University
- TP8a1-14 End-to-End BER Performance of Cooperative MIMO Transmission with Antenna Selection in Rayleigh Fading
Jung-Bin Kim, Dongwoo Kim, Hanyang University
- TP8a1-15 Robust ZF Receiver Design in V-BLAST for Imperfect MIMO Channels
Jiansong Chen, Xiaoli Yu, University of Southern California
- TP8a1-16 An Efficient QRD-M Algorithm Using Partial Decision Feedback Detection
Kihwan Jeon, Hyounkuk Kim, Hyunchol Park, Information and Communications University

- TP8a1-17 Lattice Reduction Aided MIMO Detectors with Quantization Error Correction
Jaehong Kim, Namshik Kim, Hyunchol Park, Information and Communications University
- TP8a1-18 ARQ strategies for spatially multiplexed MIMO systems
Elisabeth de Carvalho, Petar Popovski, Aalborg University
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Elisabeth de Carvalho, Aalborg University

Session TP8a2 Numerical Processing

Chair: *David Harris*

- TP8a2-1 Quotient Pipelined Very High Radix Scalable Montgomery Multipliers
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Ashkan Hosseinzadeh Namin, Huapeng Wu, Majid Ahmadi, University of Windsor
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- TP8a2-9 High-Throughput Radix-4 LogMAP Turbo Decoder Architecture
Yuping Zhang, Keshab K. Parhi, University of Minnesota
- TP8a2-10 Experiments for Decimal Floating-Point Division by Recurrence
Ivan Castellanos, James E. Stine, Oklahoma State University
- TP8a2-11 Power and Area Efficient Squarer Design
Kyung-Ju Cho, Chonbuk National University
- TP8a2-12 Fault-Tolerant Reversible Circuits
Behrooz Parhami, University of California, Santa Barbara

- TP8a2-13 Optimizing Parametric Generators for Formally Verified VLSI Circuits
Peter-Michael Seidel, Southern Methodist University;
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- TP8b1-1 Improved Active-Set Tone Reservation for Complex-baseband PAR Reduction in OFDM System
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- TP8b1-2 A High-Performance Double Differential OFDM UWB Receiver
Samia Islam, Naofal Al-Dhahir, University of Texas at Dallas
- TP8b1-3 OFDMA-based broadcasting and access hybrid network
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- TP8b1-4 Error Probability Analysis of Peak Signaling over Fading Channels
Mustafa Gursoy, University of Nebraska-Lincoln
- TP8b1-5 Experimental Evaluation and Demonstration of Acoustic OFDM
Yusuke Nakashima, Hosei Matsuoka, Takeshi Yoshimura, NTT DoCoMo Inc.
- TP8b1-6 Iterative Joint Detection and Decoding for MIMO-OFDM Wireless Communications
Keun Chul Hwang, Sungwoo Park, Moon June, Soon Young Yoon, Samsung Electronics
- TP8b1-7 On the Optimality of OFDMA MIMO Channels
Hongxiang Li, Hui Liu, University of Washington
- TP8b1-8 Single-Sideband OFDM for Cellular Systems
Giridhar Mandyam, Nokia Inc.
- TP8b1-9 Low-Complexity Time-Domain ICI Equalization for OFDM Communications over Rapidly Varying Channels
Tomasz Hrycak, University of Vienna; Gerald Matz, Vienna University of Technology
- TP8b1-10 Iterative MAP Multi-User OFDM over Rapidly-Varying Frequency-Selective Channels
Thomas Ketseoglou, Andrew Tom, California State Polytechnic University, Pomona
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- TP8b1-12 Blind Sampling Clock Offset Estimation in OFDM Systems Based on Second Order Statistics
Amine Laourine, INRS-EMT; Alex Stephenne, Ericsson; Sofiene Affes, INRS-EMT
- TP8b1-13 Performance Analysis of a Channel Estimator using Linear Interpolation for OFDM Systems
Athanasios Doukas, Grigorios Kalivas, University of Patras

- TP8b1-14 Using Cyclic Prefix to Mitigate Carrier Frequency and Timing Asynchronism in Cooperative OFDM Transmissions
Xiaohua Li, Fan Ng, State University of New York at Binghamton
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- TP8b1-17 Achievable Outage Rates with Improved Decoding of Multiband OFDM Under Channel Estimation Errors
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- TP8b1-18 MMSE Detector for OFDM-based UWB Systems
Prasad Yaddanapudi, Dimitrie C. Popescu, University of Texas at San Antonio
- TP8b1-19 Interference Mitigation Through Interference Avoidance
Suman Das, Harish Viswanathan, Bell Laboratories, Lucent Technologies
- TP8b1-20 Multiuser Scheduling using Equal Power in Allocated Subcarriers for OFDM Uplink
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- TP8b1-21 On the Performance of Spatial Modulation OFDM
Sudharsan Ganesan, Raed Mesleh, Harald Haas, International University Bremen; Chang Wook Ahn, Sangboh Yun, Samsung Advanced Institute of Technology
- TP8b1-22 Error Vector Magnitude Analysis for OFDM Systems
Chunming Zhao, G. Tong Zhou, Georgia Institute of Technology
- TP8b1-23 Vector transform-based OFDM
Todor Cooklev, San Francisco State University; Pierre Siohan, France Telecom

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Chair: *Marios Pattichis*

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Scott Evans, Steve Markham, Andrew Torres, GE Research; Antonis Kourtidis, Douglas Conklin, University at Albany
- TP8b2-2 FPGA-Based Full Parallel Implementation Particle Detection
Jianfei Yang, Kyushu Institute of Technology

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TP8b2-6	Design of Multiple Bandpass Filters with Integer Coefficients for a Microcontroller Environment with an Emphasis on Applications in Wearable Tremor Analysis <i>Harry Powell, John Lach, University of Virginia</i>	
TP8b2-7	Assessing Joint Time-Frequency Methods in the Detection of Dysfunctional Movement <i>Mark A. Hanson, John Lach, University of Virginia</i>	
TP8b2-8	The Filtered Spectral Rotation Measure <i>Ahmad Rushdi, Jamal Tuqan, University of California, Davis</i>	
TP8b2-9	A study of parallel MRI reconstruction approaches for sub-sampled partial-Fourier parallel-coil acquisition schemes <i>Carlos Zacarias Almarcha, Technical University of Catalonia; W. Scott Hoge, Brigham and Women's Hospital; Dana H. Brooks, Northeastern University</i>	

Session WA1a Geospatial Image Processing

Chair: *Jim Fowler*

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WA1a-2	An efficient and highly parallel hyperspectral imagery compression scheme based on distributed source coding <i>Ngai-Man Cheung, Antonio Ortega, University of Southern California</i>	8:55 AM
WA1a-3	Three-dimensional SPIHT Coding of Hyperspectral Images with Random Access and Resolution Scalability <i>Emmanuel Christophe, CNES / Alcatel Alenia Space / Onera; William A. Pearlman, Rensselaer Polytechnic Institute</i>	9:20 AM
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Session WA1b Superresolution Image and Video Enhancement

Chair: *Peyman Milanfar & Sina Farsiu*

WA1b-1	Super-resolution Image Reconstruction Algorithms For Steerable Arrays of Sub-imagers <i>Sally Wood, Hseuh-Ban Lan, Santa Clara University; Dinesh Rajan, Marc Christensen, Southern Methodist University</i>	10:30 AM
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WA1b-3	Image Registration, Blind Deblurring and Super-Resolution of an Aliased Video Sequence Using Adaptive Kernel Regression <i>Hiroyuki Takeda, Sina Farsiu, Peyman Milanfar, University of California, Santa Cruz</i>	11:20 AM
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Session WA2a Distributed Optimization in Wireless Communications

Chair: *Hesham El-Gamal*

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WA2a-4	Distributed resource allocation and scheduling in OFDMA wireless networks. <i>Xiangping Qin, Boston University; Randall Berry, Northwestern University</i>	9:45 AM

Session WA2b Emerging Applications of Communication Theory

Chair: *Olgica Milenkovic*

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WA2b-2	Error-Correcting Mechanisms in DNA Self-Assembly <i>Manish Gupta, Navin Kashyap, Queen's University</i>	10:55 AM

WA2b-3	A Recursive Filter Algorithm for State Estimation from Simultaneously Recorded Continuous-Valued, Point Process and Binary Observations <i>Todd Coleman, University of Illinois at Urbana-Champaign; Emery Brown, MIT; Mass. General Hospital; Harvard Medical School</i>	11:20 AM
WA2b-4	Enumeration of RNA secondary structures: a constrained coding approach <i>Olgica Milenkovic, University of Colorado at Boulder; Emina Soljanin, Bell Laboratories, Lucent Technologies</i>	11:45 AM

Session WA3a Clinical and Pharmaceutical Imaging

Chair: *Jasjit Suri*

WA3a-1	A robust strategy for breast lesion classification in ultrasound image volumes <i>Paulo Sérgio Rodrigues, Gilson Antônio Giraldi, Ruey-Feng Chang, Jasjit Suri, National Laboratory for Scientific Computing</i>	8:30 AM
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Session WA3b Biomedical Signal and Image Processing

Chair: *Khan M. Iftekharuddin*

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WA3b-3	Brain Tumor Detection in MRI: Methodology and Statistical Validation <i>Khan Iftekharuddin, Jing Zheng, Atiqul Islam, University of Memphis; Robert Ogg, Fred Lanningham, St. Jude Children's Hospital</i>	11:20 AM
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Session WA4 Nonlinear Filtering and Target Tracking

Chair: *Keh-Ping Dunn*

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Session WA5a Reconfigurable Computing

Chair: *Chris Dick*

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Session WA5b Low Power Techniques

Chair: *Braden Phillips*

WA5b-1	Automatic Generation of Low-Power Circuits for the Evaluation of Polynomials <i>Arnaud Tisserand, LIRMM, CNRS-UM2</i>	10:30 AM
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WA6-6	Diversity Aspects of Linear and Decision-Feedback Equalizers for Frequency-Selective Multi-Antenna Channels <i>Dirk T. M. Slock, Institut Eurecom</i>	10:55 AM
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Session WA7a Audio Coding and Processing

Chair: *Susanto Rahardja*

WA7a-1	A study on the best wavelet for lossy audio compression <i>R. Capabianco Guido, Universidade de Sao Paulo</i>	8:30 AM
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WA7a-4	Performance-complexity tradeoffs of the MPEG-4 ALS lossless coding standard <i>T. Moriya, N. Harado, Y. Kamamoto, NTT Corporation</i>	9:45 AM

Session WA7b Wireless Networks

Chair: *Kostas Psounis*

WA7b-1	On Functional Compression <i>Deavavrat Shah, Massachusetts Institute of Technology</i>	10:30 AM
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WA8a1-1	Improvements To Ordered Statistics Decoding Algorithm <i>Hon Fah Chong, Hari Krishna Garg, National University of Singapore</i>	
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Christoph Studer, Andreas Burg, Wolfgang Fichtner, ETH-Zurich
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- WA8a2-3 Adaptive Antenna Algorithms Using Successively Re-encoded Data for GSM
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- WA8a2-4 Calibrating an array with scan dependent errors using a sparse grid
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David R. Keller, Todd K. Moon, Jacob H. Gunther, Utah State University

WA8a2-14 “Eye Array” Sound Source Localization
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Al-Dhahir, Naofal.....	TA8b3.5	Bhatt, Tejas.....	WA6.8
Al-Dhahir, Naofal.....	TA8b3.9	Bhattacharyya, Shuvra.....	TP5.1
Al-Dhahir, Naofal.....	TP8b1.2	Bhattad, Kapil.....	MP2.5
Alexander, Winsor.....	TA8b1.2	Bhunjun, Vinesh.....	TP1.8
Alexander, Winsor.....	TP8b2.4	Bianchi, Domenico.....	TA8b1.4
Alexandropoulos, Ioannis.....	MP8b1.7	Biswas, Arijit.....	TA8a3.4
Alghassi, Hedayat.....	WA8a2.14	Biswas, Kevin.....	TA5.8
Allen, Gregory.....	TA8b1.9	Blem, Emily.....	MP5.8
Almarcha, Carlos Zacarias.....	TP8b2.9	Bliss, Daniel.....	TA8b3.2
Amariuca, George.....	WA8a1.5	Bliss, Daniel.....	TP7a.4
Amihood, Patrick.....	TP8a1.1	Blum, Rick.....	MA2b.2
Amin, Moeness.....	MP4.8	Boas, David.....	MP1a.4
Amin, Moeness.....	MP8a2.15	Boche, Holger.....	MP6.5
Amin, Moeness.....	WA8a2.16	Boche, Holger.....	MP8a1.11
Amiri, Kiarash.....	MA5a.4	Boche, Holger.....	TA8b2.7
An, Cheolhong.....	TA8a2.9	Bölcskei, Helmut.....	WA6.1
Anderson, Adam.....	MA6b.2	Botvinick, Elliot.....	MP1b.1
Anderson, Donald.....	MP7.6	Bouman, Charles A.....	MP1a.2
Andrews, Jeffrey.....	MA1b.3	Boutin, Mireille.....	TA7.4
Annapureddy, Venkata Sreekantha Reddy.....	TA2.7	Boyd, John.....	TA8a1.1
Araki, Shoko.....	TP3b.4	Boyd, Stephen.....	WA8a2.9
Aust, Laura.....	MP1b.3	Bradley, Andrew.....	MP7.7
B S, Shreyas.....	MP8b1.1	Brankov, Jovan G.....	WA3b.1
		Brislaw, Christopher M.....	TA4.4
		Brodersen, Robert.....	MA5a.3

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Brodersen, Robert.....	WA5a.3	Cheng, Bing Hwa.....	MP8b2.16	Dalal, Ishaan.....	TP8b2.5	Elancheziyan, A.....	MP4.7
Broglioli, Michael.....	TP5.7	Cheng, Bing Hwa.....	TA8b2.6	Dana, Amir F.	TA2.5	Eldar, Yonina.....	TP4.4
Brookes, Mike.....	TP1.8	Cheung, Ngai-Man	WA1a.2	Dane, Gokce.....	TA8a2.6	Eldar, Yonina.....	TP4.1
Brooks, Dana H.....	MP1a.4	Chiu, Bernard.....	WA3a.3	Das, Sibasish.....	MP8a1.12	Elko, Gary W.	TP1.4
Brooks, Dana H.....	TP8b2.9	Cho, Kyung-Ju.....	TP8a2.11	Das, Sibasish.....	TA2.6	Elliott, Robert.....	TA8a1.1
Broussard, Randy P.	MP8b1.4	Cho, Sunghyun.....	TA2.4	Das, Suman.....	TP8b1.19	Ellis, D.	MA3b.2
Brown, Emery.....	WA2b.3	Choi, David.....	WA4.4	Dash, Debashis.....	MP8b2.19	El-Shehaby, Iman.....	MP7.5
Bugallo, Monica F.....	WA4.1	Choi, Gwan.....	TA8b1.10	Datta, Ramyanshu.....	TP8a2.5	Ercegovac, Milos.....	MP5.6
Burel, Gilles.....	TP6.7	Chong, Chee-Yee.....	WA4.7	Daum, Fred.....	WA4.5	Ercegovac, Milos.....	MP5.2
Burel, Gilles.....	TP8a1.5	Chong, Hon Fah.....	WA8a1.1	de Almeida, André.....	TP8a1.9	Ermis, Erhan.....	MP4.6
Burel, Gilles.....	WA8a1.2	Choudhury, Sayantan.....	TP1.1	de Baynast, Alexandre.....	MP8b2.22	Ertin, E.....	TP7b.4
Burel, Gilles.....	WA8a1.3	Choudhury, Sayantan.....	TP1.6	de Carvalho, Elisabeth.....	TP8a1.18	Etemadi, Farzad.....	MP8a1.4
Burg, Andreas.....	WA6.1	Chow, Khin C.....	TA8a2.13	de Carvalho, Elisabeth.....	TP8a1.19	Ettefagh, Azadeh.....	MP8b2.14
Burg, Andreas.....	WA8a1.8	Christensen, Marc.....	WA1b.1	de Francisco, Ruben.....	MP6.4	Etter, Delores.....	MP8b1.3
Burgess, Neil.....	WA5b.3	Christophe, Emmanuel.....	WA1a.3	de Lacerda, Raul.....	MP6.7	Evans, Brian L.....	MA5a.1
Byman, Aaron.....	TA8b1.3	Chun, Joohwan.....	TP8a1.11	de Oliveira, J. C.....	MP4.7	Evans, Brian L.....	TA8b1.9
Cabric, Danijela.....	WA5a.3	Cimini, Len.....	MA2b.2	Debbah, Mérouane.....	MP6.7	Evans, Bruce W.....	MA2b.5
Cain, Gerald.....	TA8b2.3	Cioffi, John M.....	MP2.1	DeBrunner, Linda.....	TP5.3	Evans, Robin J.....	MP8a2.11
Cain, Gerald.....	TA8b2.4	Cioffi, John M.....	MP8a1.15	DeBrunner, Victor.....	MA7b.4	Evans, Scott.....	TP8b2.1
Caire, Giuseppe.....	MP2.5	Claesson, Ingvar.....	MP8b1.2	DeBrunner, Victor.....	MP8a2.14	Fargues, Monique.....	MP8b1.7
Caire, Giuseppe.....	MP6.2	Clarkson, Vaughan.....	TP3a.4	DeBrunner, Victor.....	TP5.3	Fargues, Monique.....	TA8a2.13
Calderbank, Robert.....	TA1.5	Clarkson, William.....	MP8b2.1	del Coso, Aitor.....	MP8b2.11	Farsiu, Sina.....	WA1b.3
Campana, Ottavio.....	TA8a2.2	Cochran, Douglas.....	TA1.4	Del Re, Andrea.....	TA8b1.4	Favier, Gérard.....	TP8a1.9
Cao, Guangzhi.....	MP1a.2	Codreanu, Marian.....	MP8a1.9	Del Re, Andrea.....	TP8a2.8	Feng, Bing.....	WA3b.1
Capabianco Guido, R.....	WA7a.1	Cohen, Aaron.....	TA8b1.12	Demos, Stavros.....	MA4b.4	Fenster, Aaron.....	WA3a.4
Cappellari, Lorenzo.....	TA8a2.10	Cole, Peter.....	WA5b.2	den Brinker, Albertus C.....	TA8a3.4	Fenster, Aaron.....	WA3a.3
Capponi, Agostino.....	MP8a1.14	Coleman, Todd.....	WA2b.3	Deng, Hongyang.....	MP3.4	Fernandez Astudillo, Ramon.....	TP3b.2
Cardarilli, Gian Carlo.....	TA8b1.4	Collin, Ludovic.....	TP8a1.5	Deshpande, Ashrith.....	TP3a.1	Fertl, Peter.....	TP8b1.11
Cardarilli, Gian Carlo.....	TP8a2.8	Collin, Ludovic.....	TP8a1.6	Diamond, Solomon.....	MP1a.4	Fichtner, Wolfgang.....	WA8a1.8
Cassidy, Ryan.....	TA8a3.9	Comer, Mary.....	MP7.1	Dick, Chris.....	TA8b1.1	Fisher III, John.....	TP7b.1
Castellanos, Ivan.....	TP8a2.10	Comer, Mary.....	TA7.4	Dick, Chris.....	TA8b1.11	Fletcher, Daniel.....	MP1b.2
Castro, Rui.....	TP4.5	Conklin, Douglas.....	TP8b2.1	Dick, Chris.....	WA5a.4	Fogle, Ryan.....	TP7b.2
Caudal, Frédéric.....	MP8b1.6	Constantinides, Anthony G.....	TA3.4	Diem, Max.....	MA4b.3	Foroosh, H.....	WA1b.2
Cavallaro, Joseph R.....	MA5a.4	Contiero, Roberto.....	TA8a2.2	Dimitrov, Vassil.....	TA5.5	Forster, Philippe.....	WA8a2.7
Cavallaro, Joseph R.....	TA8b1.3	Cooklev, Todor.....	TP8b1.23	Ding, Zhiguo.....	MP8b2.10	Forsythe, Keith.....	TA8b3.2
Cavallaro, Joseph R.....	TA8b1.6	Cooper, Alfred.....	TA8a2.13	Divakaran, Ajay.....	MA3b.5	Forsythe, Keith.....	TP7a.4
Cavallaro, Joseph R.....	TP5.7	Correa, Nicole.....	MP3.8	Djuric, Petar M.....	WA4.1	Forsythe, Keith.....	WA8a2.8
Cendrillon, Raphael.....	TP3a.4	Cosman, Pamela.....	TA8a2.12	Do, Minh N.....	MP7.4	Fowler, James.....	WA1a.1
Chae, Chan-Byoung.....	TP6.3	Costa, Elena.....	TA8b2.8	Do, Minh N.....	TA4.5	Fox, Emily.....	WA4.4
Chakrabarti, Arnab.....	MP8b2.22	Costa, Elena.....	TP8a1.10	Dogandzic, Aleksandar.....	WA8a2.2	Friedlander, Benjamin.....	MP8a1.6
Chamberland, Jean-Francois.....	MP4.1	Costa, Nelson.....	TA6.7	Dolan, Brian.....	TA3.1	Friedlander, Benjamin.....	TA1.1
Champaneria, Nisha.....	WA8a1.10	Coutts, Scott.....	MA2b.1	Doroslovacki, Milos.....	MP3.4	Friedlander, Benjamin.....	TA8a1.4
Chang, Cheng-Han.....	TP7a.3	Cowan, Colin.....	MP8b2.10	Doukas, Athanasios.....	TP8b1.13	Fuemmeler, Jason.....	MP4.4
Chang, Ruey-Feng.....	WA3a.1	Cowan, Colin.....	WA6.7	Duarte, Melissa.....	TA8b1.1	Fuhrmann, Daniel.....	MA2b.4
Charafeddine, Mohamad.....	TA8b3.8	Cox, Henry.....	WA8a2.10	Duhamel, Pierre.....	TP8b1.17	Fussell, Donald.....	TA3.2
Che, Chia-Yin.....	MP8a2.11	Creusere, Charles.....	MP8a2.8	Dvornikov, Alexander.....	MP1b.1	Galatsanos, Nikolas.....	MP1a.3
Chellappa, Vijay.....	TA8a2.12	Creusere, Charles.....	TA4.3	Dwelly, Wesley.....	TA8b2.6	Gan, Woon-Seng.....	MP3.5
Chen, Chun-yang.....	WA8a2.1	Creusere, Charles.....	TA8a2.5	Dyaberi, Vidyarani.....	MA3b.4	Ganesan, Sudharsan.....	TP8b1.21
Chen, Jiansong.....	TP8a1.15	Cruz, Rene.....	MA6b.4	Easley, Glenn.....	TA7.2	Ganti, Radha Krishna.....	MA1b.1
Chen, Raymond (Juin-Hwey).....	TP1.3	Cui, Jing.....	TA3.8	Ebadollahi, Shahram.....	MA3b.3	Garcia-Luna-Aceves, J. J.....	MA1b.2
Chen, Xi.....	TP5.4	Cui, Shuguang.....	MP8a1.7	Edmonson, William.....	MP3.7	Garcia-Luna-Aceves, J. J.....	MA6b.5
Chen, Xiaoling.....	MP8a2.10	Cui, Shuguang.....	WA8a1.12	Edmonson, William.....	TP8b2.4	Garg, Hari Krishna.....	WA8a1.1
Chen, Yunxia.....	MP8b2.17	Dabbagh, Amir.....	TP8a1.3	Ekbatani, Siavash.....	TP6.1	Gastpar, Michael.....	MP2.7

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Gaunt, Ruth	MP8b1.3	Haenggi, Martin	MA1b.1
Gautier, Roland	WA8a1.2	Haimovich, Alexander.....	MA2b.2
Gautier, Roland	WA8a1.3	Haimovich, Alexander.....	MP2.3
Gelal, Ece	MA6b.3	Hammarwall, David	TA1.6
George, E. Olusegun.....	TA3.6	Hammerström, Ingmar.....	MP8b2.12
Gershman, Alex.....	TP4.1	Hammerström, Ingmar.....	MP8b2.14
Gesbert, David.....	MP6.4	Han, Kyungtae.....	MA5a.1
Ghosh, Donna	TP2.4	Hang, H-M	WA7a.2
Giannakis, Georgios B.....	MP8a2.5	Hanson, Grant	TA4.1
Giannakis, Georgios B.....	TP2.8	Hanson, Mark A	TP8b2.7
Giannakis, Georgios B.....	TP6.4	Harado, N.	WA7a.4
Gibson, Jerry D.....	TA7.8	Hari Krishna, Garg.....	MP8a1.5
Gibson, Jerry D.....	TP1.1	Harris, David.....	TP8a2.1
Gibson, Jerry D.....	TP1.6	Harris, fred	TA8b1.11
Gilliam, Andrew D.....	WA3b.4	Hassibi, Babak.....	MA1b.4
Gindy, Mayrai	MP8a2.7	Hassibi, Babak.....	MP8b2.13
Giovanidis, Anastasios	TP8b1.20	Hassibi, Babak.....	TA2.5
Giraldi, Gilson Antônio.....	WA3a.1	Hatke, Gary	WA8a2.8
Glossner, John	MP5.8	Haupt, Jarvis.....	TP4.5
Goens, M. Beth.....	WA3b.2	Haustein, Thomas	TP8b1.20
Goetze, Stefan.....	TP1.7	Haykin, Simon	MP3.1
Goldsmith, Andrea.....	MP6.1	Haykin, Simon	TA6.7
Gómez-Vilardebó, Jesús	MP2.2	Heath Jr., Robert W.....	TA2.4
Gong, Xiaojin	TA7.7	Heath Jr., Robert W.....	TP6.3
Gooch, Richard.....	WA8a2.3	Heikkinen, Jari	MA5a.2
Goodwin, Michael	TA8a3.3	Helmke, Brian P.....	MP1b.4
Gowaikar, Radhika	MA1b.4	Hemaraj, Yashwanth	TP5.1
Grad, Johannes	WA5b.4	Hermes, Douglas.....	MP8a1.13
Græsbøll Christensen, Mads.....	MP8a2.3	hewer, Gary	TA4.1
Græsbøll Christensen, Mads.....	TA8a3.6	Hinds, Chris.....	MP5.7
Grant, Steven L	TP3a.1	Hoang, Duong	TA2.8
Gravier, Erwan	WA3b.1	Hodgkiss, William	MP8a1.8
Griesbach, Jacob.....	WA8a2.5	Hodgkiss, William	WA4.2
Guilford, William	MP1b.3	Hoeher, Peter	TP8a1.7
Gujrathi, Mandar.....	TP3a.4	Hoge, W. Scott	TP8b2.9
Gunnam, Kiran	TA8b1.10	Holdt Jensen, Søren.....	MP8a2.3
Gunther, Jacob H.	WA8a1.10	Holdt Jensen, Søren.....	TA8a3.6
Gunther, Jacob H.	WA8a2.13	Homer, John	TP3a.4
Guo, Bin.....	TA3.3	Hong, Yi.....	WA6.4
Guo, Jiangling.....	MP7.3	Hossack, John A.....	WA3b.4
Guo, Wenbin.....	MP8a1.7	Hosseinpour, Mehdi.....	TA8a3.5
Gupta, Manish	WA2b.2	Hosseinzadeh Namin, Ashkan ...	TP8a2.7
Gupta, S.	MA3b.1	Hou, Jilei.....	WA8a1.4
Gupta, Siddharth	WA5a.4	Hourani, Ramsey.....	TA8b1.2
Gursoy, Mustafa	TP8b1.4	Howard, Stephen.....	TA1.4
Gustafsson, Oscar.....	TA4.7	Howard, Stephen.....	TA1.5
Gustafsson, Oscar.....	TP8a2.2	Hrycak, Tomasz.....	TP8b1.9
Gutierrez, David.....	MP1a.1	Hsieh, Harry.....	TP5.4
Haaland, David.....	MA4b.2	Hu, Jing	TA7.8
Haardt, Martin.....	TA6.8	Hua, Kai-Lung.....	MP7.1
Haas, Harald.....	TP8b1.21	Huang, Hesu.....	TA8a3.2
Hadeif, Mahmoud	MA7b.5	Huang, Jianwei.....	TP2.3
Hadisusanto, Yosia.....	TP8b1.20	Huang, Lawrence	MP1b.4

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Huang, Sheng-Wen.....	TP7a.3	Jindal, Apoorva.....	WA7b.2
Huang, Steve.....	TA8b2.5	Jindal, Nihar.....	MP6.2
Hunger, Raphael	WA6.5	Jindal, Nihar.....	TA2.1
Hunter, Chris	WA5a.4	Jindal, Nihar.....	TP6.2
Hutchins, Gary.....	TA8a1.1	Joachim, Dale.....	MP8b2.1
Hutchins, Robert.....	WA4.8	Joham, Michael	WA6.5
Hwang, Chan-Soo	MP2.1	Johansson, Hakan	TA4.7
Hwang, Keun Chul.....	TP8b1.6	Johansson, Kenny	TP8a2.2
Hwang, Sungjun.....	MA7b.2	Johnson, Ben.....	WA8a2.6
Ibars, Christian	MP8b2.11	Johnson, Louis	TA8a1.5
Ichir, Mahieddine	TA8b2.9	Johnson, Jr., C. Richard.....	MP3.3
Iftekharuddin, Khan	TA3.6	Johnston, J. J.	WA7a.3
Iftekharuddin, Khan	WA3b.3	Jojic, N.....	MA3b.2
Ilitis, Ronald A.	TA2.8	Jones, Christopher	WA8a1.6
Ilitis, Ronald A.	WA6.8	Jones, Howland	MA4b.2
Irick, Kevin	TA5.4	Joo, Changhee	WA2a.3
Irwin, Mary Jane	TA5.4	Jorsweick, Eduard	MP6.5
Islam, Atiqul.....	TA3.6	Jorsweick, Eduard	MP6.6
Islam, Atiqul.....	WA3b.3	Joshi, Shantanu.....	TP7b.3
Islam, K.M. Zahidul.....	TA8b3.5	Jullien, Graham	MP5.5
Islam, Samia.....	TP8b1.2	Jullien, Graham	TA5.5
Isseven, Aytunc	TP8a2.6	June, Moon.....	TP8b1.6
Isukapalli, Yogananda	MP8a1.10	Jungnickel, Volker	TA8b2.8
Ives, Robert W.....	MP8b1.3	Jungnickel, Volker	TP8a1.10
Ives, Robert W.....	MP8b1.4	Juntti, Markku	MP8a1.9
Ivkovic, Milos	WA8a1.12	Juntti, Markku	TA8b1.3
Jafar, Syed	MA1b.5	Juntti, Markku	TP8a1.4
Jafar, Syed	MP2.8	Kadambe, Shubha.....	TA8b2.6
Jafarkhani, Hamid.....	MP8a1.4	Kalivas, Grigorios	TP8b1.13
Jafarkhani, Hamid.....	TP6.1	Kallinger, Markus.....	TP1.7
Jaffer, Amin G.....	MA2b.5	Kam, Clement.....	WA4.2
Jagannatham, Aditya.....	TA1.7	Kam, Pooi-Yuen	MP8b2.5
Jakllari, Gentian	MA6b.3	Kamamoto, Y.....	WA7a.4
Jakobsson, Andreas.....	MP8a2.3	Kammeyer, Karl-Dirk	TP1.7
Jaldén, Joakim.....	WA6.3	Kammeyer, Karl-Dirk	TP8a1.7
James, Jodi	MA3b.4	Kang, Dong-Hee.....	WA8a1.16
Jardosh, Amit P.	WA7b.3	Kao, Meng-Ping.....	TA8a2.11
Javidi, Tara	MA6b.4	Kaplan, Lance.....	MP8a1.14
Javidi, Tara	WA2a.2	Kar, Soumyya.....	MP4.2
Javidi, Tara	WA7b.4	Karadimou, Kiki	TA8a3.1
Jayant, Nikil	TA8a2.1	Kardon, Randy.....	WA3a.2
Jenkins, Christipher	MP5.8	Karp, Tanja	MP7.3
Jenkins, Kenneth.....	TA5.6	Kashyap, Navin	WA2b.2
Jensen, Jørgen.....	TP7a.2	Keith, Frances	MA4b.5
Jensen, Michael.....	MA6b.2	Keller, David R.....	WA8a2.13
Jeon, Kihwan	TP8a1.16	Kennell, Lauren R.....	MP8b1.4
Jeremic, Aleksandar	TA3.7	Ketseoglou, Thomas.....	TP8b1.10
Jiang, Jinhua	MP8a1.5	Khong, Andy W. H.	TP3a.2
Jiang, Nan	TP8a2.1	Khoshnevis, Ahmad.....	MP8b2.19
Jiang, Sen.....	TP8b1.1	Kim, Dongee.....	TP8b1.20
Jiang, Yi.....	TP8a1.8	Kim, Dongwoo	TP6.8
Jin, Mingwu.....	WA3b.1	Kim, Dongwoo	TP8a1.13
Jin, Yuanwei	TA1.8	Kim, Dongwoo	TP8a1.14

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Kim, Euncheol	TA8b1.10	Lan, Hseuh-Ban.....	WA1b.1	Lin, Zongli.....	TA3.8	Matta, Vincenzo.....	MP4.3
Kim, Hyounkuk	TP8a1.16	Landmann, Markus.....	TA6.5	Ling, Jonathan.....	MP8a1.1	Matz, Gerald.....	TA6.2
Kim, Jaehong.....	TP8a1.17	Landmann, Markus.....	TA6.6	Liu, Bin.....	TP8b1.3	Matz, Gerald.....	TP8b1.9
Kim, Jung-Bin	TP8a1.14	Landry, Anthony	WA3a.3	Liu, Chunguang	TA4.6	Matz, Gerald.....	TP8b1.11
Kim, Kyeong Jin.....	MP6.8	Lang, Tomas.....	MP5.1	Liu, Hui	TP8b1.7	Matz, Gerald.....	WA6.2
Kim, Kyeong Jin.....	WA6.8	Lanne, Maria.....	WA8a2.4	Liu, Hui	TP8b1.3	Maurer, Johannes.....	WA6.2
Kim, Namshik	TP8a1.17	Lanningham, Fred	WA3b.3	Liu, Jianhua	TP4.7	Mazzarese, David.....	TP6.3
Kim, Seung-Jean.....	TP4.8	Laourine, Amine	TP8b1.12	LIU, LIJIE.....	TA7.5	McCain, Dennis.....	MP8b2.18
Kim, Seung-Jean.....	WA8a2.9	LaRocca, Brian	TA8b1.5	Liu, Lingjia	MP4.1	McEachen, John.....	WA8a2.12
Kim, Taesu	TP3b.1	Larsen, Michael	TP8b1.16	Liu, Mingyan	TP2.1	McIlhenny, Robert	MP5.2
Kim, Youngsoo	TA8b1.2	Lashkari, Khosrow	TA8a3.7	Loizou, Christos.....	TA3.4	McKellips, Andrew	WA8a2.8
King, Michael A.....	WA3b.1	Latva-aho, Matti.....	MP8a1.9	Lopes, Cassio.....	TA8a1.9	Mecklenbräuker, Christoph.....	MP8b2.7
Kinser, Jason.....	TA7.6	Lawrence, Peter	WA8a2.14	Lopes, Cassio G.....	MP3.2	Mecklenbräuker, Christoph.....	TA8b3.6
Kirpalani, Ashwin.....	TP8b2.5	Laxminarayan, Srinivas.....	MP1a.4	Lott, Christopher.....	TP2.4	Medard, Muriel.....	MP8b2.8
Kleijn, W. Bastiaan	TP1.5	Lee, In-Ho.....	TP8a1.13	Love, David.....	TA2.3	Medda, Alessio	MP8a2.14
Klein, Jeffrey.....	TA8b2.1	Lee, Intae.....	TP3b.1	Love, David.....	TP8a1.3	Mehlfuehrer, Christian	MA7b.1
Kobayashi, Mari.....	MP6.2	Lee, Jungwoo	MP8b2.6	Lowrie, Christopher	TA8a3.10	Melgaard, David	MA4b.2
Koeppel, Heinz.....	TA8a1.8	Lee, Juyul.....	TA2.1	Lu, Yue	MP7.4	Mertins, Alfred	TP1.7
Koetter, Ralf.....	TA5.3	Lee, Kong-Aik.....	MP3.5	Lu, Yue	TA4.5	Mesleh, Raed	TP8b1.21
Koivunen, Visa.....	TA6.1	Lee, Kyoungwhwan.....	MP2.4	Lu, Yufeng	MP8a2.1	Meyer, Francois.....	WA2b.1
Koivunen, Visa.....	TA6.4	Lee, Shu-Ting.....	MP8a1.16	Lu, Zhijian	TP5.8	Meyer, Jens.....	TP1.4
Kolossa, Dorothea	TP3b.2	Lee, Te-Won.....	TP3b.1	Lukic, Ana.....	MP1a.3	Mian, Gian Antonio	TA8a2.10
Kong, Rong.....	MA4b.5	Lehmann, Nikolaus.....	MA2b.2	Lundgren, Astrid.....	WA8a2.4	Michael, J. Bret.....	MP8b2.21
Kong, Yinan.....	TP8a2.4	Lehmann, Stefan	MP7.7	Luo, Zhi-Quan (Tom)	TP2.8	Milanfar, Peyman.....	WA1b.3
Kountouris, Marios.....	MP6.4	Leon, Wing Seng.....	WA8a1.7	Lutz, David.....	MP5.7	Milenkovic, Olgica.....	WA2b.4
Kourtidis, Antonis.....	TP8b2.1	Ler, Melinda.....	TP5.6	MacLaren Walsh, John.....	MP3.3	Miller, Eric.....	MP1a.4
Kozat, Ulas	TP1.2	Letessier, Jonathan	TP6.7	Macleod, Malcolm D.....	MA7b.3	Millington, Steven	MP7.6
Kragh, Frank.....	MP8a1.13	Letessier, Jonathan	TP8a1.5	Magli, Enrico.....	WA1a.4	Milstein, Larry	MA6b.4
Krishnamurthy, Srikanth	MA6b.3	Letessier, Jonathan	TP8a1.6	Mäkinen, Risto.....	MA5a.2	Milstein, Laurence	TP8a1.1
Krishnaswamy, D.....	TA7.1	Levenson, Richard.....	MA4b.1	Makino, Shoji.....	TP3b.2	Min, Seunghyun.....	WA8a1.16
Ku, Geng	TA3.3	Levy, Bernard	TA8b2.5	Makino, Shoji.....	TP3b.4	Mirhassani, Mitra	MP5.5
Kubichek, Robert.....	TA8a2.7	Li, Bing.....	MP7.6	Mallios, Nikolaos.....	WA5b.3	Mish, Kyran.....	MP8a2.14
Kuhn, Marc.....	MP8b2.12	Li, Heng	TP8b2.3	Mamidi, Suman.....	MP5.8	Mitra, Sunanda	MP7.3
Kuhn, Marc.....	MP8b2.14	Li, Hongxiang.....	TP8b1.7	Mandayam, Narayan	WA2a.1	Mitra, Urbashi	TP2.2
Kumar, Vinay.....	MP8b1.1	Li, Hualiang.....	MP3.8	Mandayam, Giridhar.....	TP8b1.8	Mohammad-Djafari, Ali.....	TA8b2.9
Kuo, Sen-Maw.....	MP3.5	Li, J.....	WA7a.3	Mansfield, James.....	MA4b.1	Mohan, Radhe.....	TP8b2.3
Kuo, Wei.....	TA4.1	Li, Jian	MA2b.3	Marano, Stefano	MP4.3	Montoye, Robert.....	TP8a2.5
Kwon, Hyuck.....	TA8b2.10	Li, Jian	TA3.3	Margetts, Adam	TA8b3.2	Moon, Todd K.....	WA8a1.10
Kwon, Hyuck.....	WA8a1.15	Li, Jian	TA8a1.7	Marjanovic, Marina	MP8a1.3	Moon, Todd K.....	WA8a2.13
Kwon, Hyuck.....	WA8a1.16	Li, Jian	TP4.7	Markey, Mia	TA3.2	Moonen, Marc.....	TP3a.4
Kwon, Young	WA3a.2	Li, Pai-Chi.....	TP7a.3	Markham, Steve	TP8b2.1	Moraes, Renato.....	MA1b.2
Kyriacou, Efthymoulos	TA3.4	Li, Qingwei.....	WA8a1.9	Markovic, Dejan.....	MA5a.3	Moran, William.....	TA1.4
Kyriakakis, Chris.....	TA8a3.2	Li, Xiaohua.....	TP8b1.14	Markovic, Dejan.....	TP5.6	Moran, William.....	TA1.5
Kyriakakis, Chris.....	TA8a3.8	Li, Xin.....	TA7.3	Marple, Lawrence.....	MP8a2.9	Morgan, Dennis R.....	MP8a1.1
Labate, Demetrio	TA7.2	Li, Yijun.....	TA5.2	Marques, Antonio G.....	TP6.4	Morgan, Dennis R.....	TA8a1.2
Lacatus, Catalin.....	TP2.7	Li, Ying.....	MP8a2.13	Martin, Richard K.....	MP3.3	Mori, Shozo	WA4.7
Lach, John.....	TP5.2	Liang, Hongkang	TA8a2.7	Martin, Richard K.....	TP3a.3	Moriya, T.....	WA7a.4
Lach, John.....	TP5.8	Liang, Yifan.....	MP6.1	Martinez Vallina, Fernando.....	MP8a2.1	Morrell, Darryl.....	MP8a2.6
Lach, John.....	TP8b2.6	Liang, Ying-Chang.....	WA8a1.7	Marzetta, Thomas.....	MP6.3	Morrell, Darryl.....	MP8a2.13
Lach, John.....	TP8b2.7	Lim, Wang-Q	TA7.2	Masry, Elias	TP8a1.1	Morrell, Darryl.....	TA1.4
Lai, Hung	WA8a2.10	Limingoja, Matti	TA8b1.3	Mathur, Avinash.....	WA8a1.15	Moses, R.....	TP7b.4
Lai, Tung.....	TA8b3.3	Lin, Jian-Hung	TA8a2.3	Mathur, Suhas	WA2a.1	Moshnyaga, Vasily	TP5.5
Lambert, Hendrick.....	WA4.5	Lin, Yih-Hao.....	MA6b.4	Matsuoka, Hosei.....	TP8b1.5	Mota, João Cesar	TP8a1.9

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Mouchtaris, Athanasios	TA8a3.1	Nowak, Robert.....	TP4.5
Moura, Jose M.F.....	MP4.2	Nowka, Kevin.....	TP8a2.5
Moura, Jose M.F.....	TA1.8	Nsiala Nzéza, Crépin.....	WA8a1.2
Mousavinejad, Mahmoud	TA8a3.5	Nsiala Nzéza, Crépin.....	WA8a1.3
Mughal, Bobby.....	TA8b2.3	Nutter, Brian	MP7.3
Mughal, Mehboob.....	TA8b2.4	Ocloo, Senanu.....	MP3.7
Mukai, Ryo.....	TP3b.4	Ogg, Robert.....	WA3b.3
Mukherjee, Amitav.....	WA8a1.15	Oggier, Frederique	TA8b3.7
Muller, Jean-Michel	MP5.6	Ohzeki, Kazuo.....	TA8a2.8
Muller, Jean-Michel	MP5.4	Olmo, Gabriella.....	WA1a.4
Murillo, Sergio E.....	TA3.4	Olson, Alex G.....	MA5a.1
Murphy, Patrick.....	WA5a.4	Orglmeister, Reinhold.....	TP3b.2
Muscedere, Roberto.....	TA5.5	Ortega, Antonio.....	WA1a.2
Mutapic, Almir.....	WA8a2.9	Ottersten, Björn	MP6.6
Myllylä, Markus.....	TA8b1.3	Ottersten, Björn	TA1.6
Mysore, Gautham.....	TA8a3.9	Ottersten, Björn	WA6.3
Nakashima, Yusuke.....	TP8b1.5	Oyman, Ozgur	MP8b2.9
Nannarelli, Alberto.....	MP5.1	Ozdemir, Onur.....	MP4.5
Nannarelli, Alberto.....	TP8a2.3	Pajic, Miroslav	TA8b1.11
Nannarelli, Alberto.....	TP8a2.8	Pal, Siddharth.....	TA5.6
Narayanan, Krishna.....	MP2.5	Palmer, Joseph.....	WA5a.2
Narayanan, Vijaykrishnan.....	TA5.4	Papandreou-Suppappola, Antonia	MP8a2.13
Nascimento, Jaclyn.....	MP1b.1	Papandreou-Suppappola, Antonia	TA1.4
Nasiri-Kenari, Masoumeh.....	MP8b2.7	Parhami, Behrooz.....	TP8a2.12
Nassif, Hani.....	MP8a2.7	Parhi, Keshab K.....	TA8a2.3
Nayeb Nazar, Shahrokh	WA8a1.13	Parhi, Keshab K.....	TA8b1.12
Naylor, Patrick A.....	TP1.8	Parhi, Keshab K.....	TP8a2.9
Naylor, Patrick A.....	TP3a.2	Parhi, Keshab K.....	WA8a1.11
Nehorai, Arye.....	MP1a.1	Park, Daeyoung.....	TA2.3
Nehorai, Arye.....	TA1.3	Park, Hyuk.....	TA5.7
Nelson, Brent.....	WA5a.2	Park, Hyuncheol.....	TP8a1.16
Nezami Ranjbar, Mohamad R.	TA8a3.5	Park, Hyuncheol.....	TP8a1.17
Ng, Fan.....	TP8b1.14	Park, Seung Young	TA2.3
Ngo, Chiu.....	MP8b2.15	Park, Sungwoo.....	TP8b1.6
Ngo, Chiu.....	TP8a1.12	Parraga, Grace.....	WA3a.3
Nguyen, Truong.....	TA8a2.6	Partanen, Tero.....	MA5a.2
Nguyen, Truong.....	TA8a2.9	Pattichis, Constantinos S.....	TA3.4
Nguyen, Truong.....	TA8a2.11	Pattichis, Marios S.....	TA3.4
Nguyen, Truong.....	TA8b3.4	Pattichis, Marios S.....	WA3a.2
Nguyen, Truong.....	WA1b.4	Pattichis, Marios S.....	WA3b.2
Nicolaidis, Andrew.....	TA3.4	Paulraj, Arogyaswami.....	MP6.6
Nieh, Jo-Yen.....	TA8b3.10	Paulraj, Arogyaswami.....	TA8b3.8
Nikolic, Borivoje.....	TP5.6	Pearlman, William A.....	WA1a.3
Nikolov, Svetoslav	TP7a.2	Peel, Christian.....	MA6b.1
Nilsson, Mikael	MP8b1.2	Penna, Barbara	WA1a.4
Niu, Bo.....	MP2.3	Pepin, Christine.....	TP1.2
Niu, Huaning.....	MP8b2.15	Perez-Neira, Ana I.....	MP2.2
Niu, Huaning.....	TP8a1.12	Petropulu, Athina P.....	MP4.7
Niu, Ruixin.....	MP4.5	Petropulu, Athina P.....	MP8b2.24
Niu, Ruixin.....	MP8a2.4	Pezeshki, Ali.....	TA1.5
Noh, Siwoo.....	MP8b2.2	Pezeshki, Ali.....	TA1.2
Nordberg, Jorgen.....	MP8b1.2		
Nosratinia, Aria.....	MP8b2.16		

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Phillips, Braden.....	WA5b.2	Reyes-Gomez, M.....	MA3b.2
Phillips, Steven.....	TA8a1.5	Ribeiro, Alejandro.....	TP2.8
Phuong, Tri.....	WA8a2.8	Ribeiro, Cássio	TA6.4
Piantanida, Pablo	TP8b1.17	Rice, Michael.....	WA5a.2
Pilotto, Concetta	MP8a1.14	Richard, Cédric.....	TA8a1.6
Pitkänen, Teemu.....	MA5a.2	Richards, Brian.....	MA5a.3
Pollak, Ilya.....	MP7.1	Richter, Andreas.....	TA6.1
Poluri, Radha.....	WA8a1.14	Richter, Andreas.....	TA6.3
Popecsu, Dimitrie C.....	TP2.7	Richter, Andreas.....	TA6.4
Popecsu, Dimitrie C.....	TP8b1.18	Rigling, Brian	TP7b.2
Popovski, Petar	TP8a1.18	Rikakis, Thanassis.....	MA3b.4
Potter, L. C.....	TP7b.4	Robert-Inacio, Frédérique.....	MP8b1.6
Powell, Harry.....	TP8b2.6	Robey, Frank C.....	MA2b.1
Prasad, V. Mahitha.....	TA4.3	Robinson, Michael.....	WA8a2.11
Prendergast, Ryan.....	WA1b.4	Rodrigues, Paulo Sérgio.....	WA3a.1
Price, Jennifer.....	WA2a.2	Rodrigues, Terence.....	MP5.3
Prihoda, Frank.....	MP8b2.24	Rodriguez, Paul	TA4.8
Priya, Anusha.....	MA4b.5	Roemer, Florian.....	TA6.8
Proakis, John.....	TP8a1.1	Rohrs, Charles.....	MP8a2.2
Prouder, Ian K.....	MA7b.3	Rosca, Justinian	TP3b.3
Psaromiligkos, Ioannis.....	WA8a1.13	Rostaing, Philippe.....	TP6.7
Psaromiligkos, Ioannis.....	WA8a2.11	Rostaing, Philippe.....	TP8a1.5
Psounis, Konstantinos.....	WA7b.2	Rostaing, Philippe.....	TP8a1.6
Pun, Ka Shun Carson.....	TA8b3.4	Rousset, Cédric.....	MP8b1.6
Qian, Gang.....	MA3b.4	Rucker, Justin.....	WA1a.1
Qin, Xiangping.....	WA2a.4	Rudoy, Daniel.....	WA4.6
Rabiei, Payam.....	TA8b3.9	Rudoy, Melanie.....	MP8a2.2
Radhakrishnan, Regunathan.....	MA3b.5	Rupp, Markus.....	MA7b.1
Radosavljevic, Predrag.....	TA8b1.6	Rupp, Markus.....	TA8b3.6
Radosavljevic, Predrag.....	TP5.7	Rushdi, Ahmad.....	TP8b2.8
Raghavendra, Ramya.....	WA7b.3	Ryo, Bunhin.....	TA8a2.8
Rajan, Dinesh.....	WA1b.1	Sabarad, Jagdish.....	TA5.6
Ramprasad, Sean.....	TA8a2.4	Sabharwal, Ashutosh.....	MP8b2.22
Ramprasad, Sean.....	TP1.2	Sabharwal, Ashutosh.....	MP8b2.19
Ranasinghe, Damith.....	WA5b.2	Sabharwal, Ashutosh.....	TA8b1.1
Rangaswamy, Muralidhar.....	MA2b.5	Sabharwal, Ashutosh.....	WA5a.4
Rangaswamy, Muralidhar.....	MP8a2.9	Sadiki, Tayeb.....	MP3.6
Rao, Bhaskar.....	MP8a1.10	Sadjadpour, Hamid.....	MA1b.2
Rao, Bhaskar.....	TA1.7	Sadjadpour, Hamid.....	MA6b.5
Rao, Bhaskar.....	TP6.5	Sadough, Sajad.....	TP8b1.17
Rao, Chaitanya.....	MP8b2.13	Safavi, Haleh	MP3.8
Rao, Divya.....	MP8a2.12	Sahai, Anant.....	MP2.6
Rao, Raghu.....	TA8b1.1	Sahmoudi, Mohamed	MP8a2.15
Rao, Sira.....	TA8a2.1	Said, Amir.....	TA4.2
Rasmussen, Morten Sleth.....	TP8a2.3	Saligrama, Venkatesh	MP4.6
Ratnarajah, Tharm.....	MP8b2.4	Salmi, Jussi.....	TA6.1
Ratnarajah, Tharm.....	MP8b2.10	Salzer, Thomas	MP6.4
Ratnarajah, Tharm.....	WA6.7	San Antonio, Geoffrey	MA2b.4
Ray, Siddharth.....	MP8b2.8	Sanayei, Shahab.....	MP8b2.23
Re, Marco.....	TA8b1.4	Sangiovanni-Vincentelli, Alberto.....	TP5.4
Re, Marco.....	TP8a2.8	Saniie, Jafar.....	MP8a2.1
Ready, Michael.....	MP8a1.16	Sankaranarayanan, Lalitha.....	WA2a.1
Rebeil, Roberto.....	MA4b.2	Sarikaya, Bahadir	TP2.5

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Satorius, Edgar.....	TA8a1.9	Sidiropoulos, Nikos.....	TP2.8
Satorius, Edgar.....	TA8b1.5	Simeone, Osvaldo.....	MP2.3
Savazzi, Stefano.....	TA8b3.1	Simeone, Osvaldo.....	MP8b2.3
Sawada, Hiroshi.....	TP3b.2	Simeone, Osvaldo.....	MP8b2.11
Sawada, Hiroshi.....	TP3b.4	Simeone, Osvaldo.....	TP2.6
Sawada, Jun.....	TP8a2.5	Simon, Marvin.....	TP4.7
Sayed, Ali H.....	MP3.2	Sinclair, Michael.....	MA4b.2
Sayed, Ali H.....	TA8a1.9	Singer, Andrew.....	MP8a2.16
Sayed, Ali H.....	TP4.6	Siohan, Pierre.....	TP8b1.23
Scharf, Louis.....	TA1.2	Sira, Sandeep.....	TA1.4
Scharf, Louis.....	TP4.3	Siracusa, Michael.....	TP7b.1
Schellmann, Malte.....	TA8b2.8	Skadron, Kevin.....	TP5.8
Schellmann, Malte.....	TP8a1.10	Skoglund, Jan.....	TP1.5
Scherb, Ansgar.....	TP8a1.7	Slock, Dirk T. M.....	MP3.6
Schizas, Ioannis.....	MP8a2.5	Slock, Dirk T. M.....	MP6.4
Schmidt, David.....	WA6.5	Slock, Dirk T. M.....	TP4.2
Schneider, Christian.....	TA6.6	Slock, Dirk T. M.....	WA6.6
Schniter, Philip.....	MA7b.2	Smee, John.....	WA8a1.4
Schniter, Philip.....	MP8a1.12	Smith, Julius.....	TA8a3.9
Schniter, Philip.....	TA2.6	Smith, Steven.....	WA4.3
Schreier, Peter.....	TP4.3	Snoussi, Hichem.....	TA8b2.9
Schubert, Martin.....	MP8a1.11	Soderstrand, Michael.....	TA8a1.5
Schubert, Martin.....	TA8b2.7	Soliz, Peter.....	WA3a.2
Schulte, Michael.....	MP5.8	Soljanin, Emina.....	WA2b.4
Seethaler, Dominik.....	WA6.2	Somekh, Oren.....	MP2.3
Segall, Andrew.....	MP7.2	Somekh, Oren.....	MP8b2.3
Seidel, Peter-Michael.....	TP8a2.13	Sorenson, Logan.....	MP8a2.1
Sellathurai, Mathini.....	MP8b2.4	Soriaga, Joseph.....	WA8a1.4
Sellathurai, Mathini.....	WA6.7	Soysal, Alkan.....	TP6.6
Sen, Mainak.....	TP5.1	Spagnolini, Umberto.....	MP8b2.3
Sen Gupta, Ananya Sen Gupta.....	MP8a2.16	Spagnolini, Umberto.....	TP2.6
Sesay, Abu.....	TA8b3.3	Spence, David.....	WA3a.3
Sezgin, Aydin.....	MP6.5	Spencer, Nicholas.....	WA8a2.6
Sezgin, Aydin.....	TA8b2.8	Spurbeck, Mark.....	TP4.3
Sezgin, Aydin.....	TP8a1.10	Srivastava, Anuj.....	TP7b.3
Sezgin, Aydin.....	TP8b1.20	Stan, Mircea.....	TP5.8
Shah, Deavavrat.....	WA7b.1	Stanczak, Slawomir.....	MP8a1.11
Shah, Himanshu.....	MP8a2.6	Stauffer, Erik.....	TA8b3.8
Shanbhag, Naresh.....	TA5.3	Stephenne, Alex.....	TP8b1.12
Shaw, Christopher.....	MA6b.1	Stine, James E.....	TP8a2.10
Sheikh, Farhana.....	TP5.6	Stine, James E.....	TP8a2.13
Shekhar, Raj.....	TP5.1	Stine, James E.....	WA5b.4
Shetty, Niranjan.....	TP1.1	Stoica, Petre.....	MA2b.3
Shi, Linda.....	MP1b.1	Stoica, Petre.....	TA8a1.7
Shi, Shuying.....	TA8b2.7	Stoica, Petre.....	TP4.7
Shi, Yan.....	TA8a1.3	Stolpman, Victor.....	MA5a.5
Shiang, H-P.....	TA7.1	Strom Bartunek, Josef.....	MP8b1.2
Shin, Eun-Hee.....	TP6.8	Strother, Stephen.....	MP1a.3
Shroff, Ness.....	WA2a.3	Strukov, Dmitri.....	TA8b1.8
Shuman, David.....	TP2.1	Stuart, Matthias Bo.....	TP8a2.3
Shynk, John.....	WA8a2.3	Studer, Christoph.....	WA6.1
Sickman, Frederick.....	TA4.1	Studer, Christoph.....	WA8a1.8

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Su, Borching.....	MP8a1.2	Ts'o, Daniel.....	WA3a.2
Su, Borching.....	TP8b1.15	Tummala, Murali.....	MP8b2.21
Subramanian, Anbumani.....	TA7.7	Tummala, Murali.....	TA8b3.10
Subramanian, Vijay.....	TP2.3	Tummala, Murali.....	WA8a2.12
Sundaram, Hari.....	MA3b.4	Tuqan, Jamal.....	TP8b2.8
Sundaramurthy, Vishwas.....	MP8b2.18	Uf, Tureli.....	MP8a2.10
Suri, Jasjit.....	WA3a.1	Ulukus, Sennur.....	TP2.5
Suri, Jasjit S.....	WA3a.4	Ulukus, Sennur.....	TP6.6
Svantesson, Thomas.....	TP8b1.16	Ustunel, Eser.....	WA8a1.16
Swami, Ananthram.....	MP8b2.17	Utschick, Wolfgang.....	WA6.5
Swannack, Charles.....	TA2.2	Uysal-Biyikoglu, Elif.....	TA2.2
Swartzlander, Earl.....	MP5.3	Vaccaro, Richard.....	MP8a2.7
Swartzlander, Earl.....	TA5.1	Vaidyanathan, P. P.....	MP8a1.2
Swartzlander, Earl.....	TA5.7	Vaidyanathan, P. P.....	TP8b1.15
Swindlehurst, A. Lee.....	MA6b.1	Vaidyanathan, P. P.....	WA8a2.1
Swindlehurst, A. Lee.....	TP8b1.16	Vakili, Ali.....	TA2.5
Sworder, Dave.....	TA8a1.1	Valles, Esteban.....	WA8a1.6
Ta, Chi Hieu.....	TA4.6	van der Schaar, M.....	TA7.1
Tabesh, Ali.....	TA3.5	Varanasi, Mahesh.....	TP8a1.8
Tadmor, Gilead.....	MP1a.4	Varshney, Pramod.....	MP4.5
Tafazoli, Shahram.....	WA8a2.14	Varshney, Pramod.....	MP7.8
Takala, Jarmo.....	MA5a.2	Varshney, Pramod.....	MP8a2.4
Takeda, Hiroyuki.....	WA1b.3	Veeravalli, Venugopal.....	MP4.4
Talwar, Gaurav.....	TA8a2.7	Vehkaperä, Mikko.....	TP8a1.4
Tan, Kenneth.....	TA3.7	Velde, Jana.....	MP8a2.7
Tang, Jun.....	WA8a1.11	Viberg, Mats.....	WA8a2.4
Tang, Taiwen.....	TA2.4	Villasenor, John.....	WA8a1.6
Tarighat, Alireza.....	TP4.6	Vincent, Patrick.....	TA8b3.10
Taylor, Fred.....	MP8b2.2	Vincent, Patrick.....	WA8a2.12
Teverovskiy, Mikhail.....	TA3.5	Viola, Francesco.....	TP7a.1
Thatte, Gautam.....	TP2.2	Viswanathan, Harish.....	TP8b1.19
Theocharides, Theocharis.....	TA5.4	Viterbo, Emanuele.....	WA6.4
Thilak, Vimal.....	TA8a2.5	Vo, Dung Vo.....	WA1b.4
Thoma, Reiner S.....	TA6.5	Voelker, Geoffrey.....	TA8a2.12
Thoma, Reiner S.....	TA6.6	Voelz, David.....	TA8a2.5
Thomas, Joseph.....	MP8b2.20	Vorobyov, Sergiy.....	TP4.1
Thyssen, Jes.....	TP1.3	Vouras, Peter.....	WA8a2.15
Tillo, Tammam.....	WA1a.4	Vrigneau, Baptiste.....	TP6.7
Tisserand, Arnaud.....	WA5b.1	Vrigneau, Baptiste.....	TP8a1.5
Tkachenko, Artem.....	WA5a.3	Vrigneau, Baptiste.....	TP8a1.6
Tom, Andrew.....	TP8b1.10	Vucetic, Dragan.....	TA8b1.11
Tomov, Borislav.....	TP7a.2	Wagner, Kevin.....	MP3.4
Tong, Lang.....	MP4.3	Wakida, Nicole.....	MP1b.1
Torres, Andrew.....	TP8b2.1	Walker, William.....	TP7a.1
Torrieri, Don.....	WA8a1.15	Walker III, T. Owens.....	MP8b2.21
Torrieri, Don.....	WA8a1.16	Wang, Guisong.....	TA7.6
Tran, Trac D.....	MP7.5	Wang, Jiang.....	TA1.3
Tran, Trac D.....	TA7.5	Wang, Jing.....	WA8a2.16
Tran, Trac D.....	WA8a2.15	Wang, Lihong.....	TA3.3
Tran, Tuan.....	TA8b3.3	Wang, Weihuang.....	TA8b1.10
Treichler, John.....	MP8a1.16	Wang, X.....	MA6b.5
Triki, Mahdi.....	TP4.2	Wang, Xin.....	TP6.4
Tsakalides, Panagiotis.....	TA8a3.1	Wang, Yunhua.....	TP5.3

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Wang, Zhongfeng	WA8a1.9	Yang, Jianfei	TP8b2.2
Warner, Edward S	MA7b.3	Yang, Yongyi	MP1a.3
Weatherwax, John	WA4.5	Yang, Yongyi	WA3b.1
Webb, Kevin J.	MP1a.2	Yao, Kung	MP8b2.16
Weber, Steven	MA1b.3	Yao, Yingwei	MP8b1.5
Wehinger, Joachim	MP8b2.7	Yardim, Anush	TA8b2.3
Wei, Bo	TP1.6	Yardim, Anush	TA8b2.4
Wei, Shuangqing	WA8a1.5	Ye, Linning	MP7.3
Weiss, Stephan	MA7b.5	Yeary, Mark	TA8b1.10
Weiss, Stephan	TA4.6	Yener, Aylin	MP2.4
Wenk, Markus	WA6.1	Yeon, Myung-Hoon	WA8a2.3
Wernick, Miles	MP1a.3	Yoo, Taesang	MP6.1
Wernick, Miles	WA3b.1	Yoon, Soon Young	TP8b1.6
Werthimer, Dan	WA5a.1	Yoshimura, Takeshi	TP8b1.5
Wesel, Richard	WA8a1.6	Yu, Honggang	WA3b.2
Whitman, Gary	TA3.2	Yu, Xiaoli	TP8a1.15
Williams, Cranos	TP8b2.4	Yun, Sangboh	TP8b1.21
Willsky, Alan	WA4.4	Zeidler, James	MA6b.2
Wittneben, Armin	MP8b2.12	Zeinalpour-Yazdi, Zolfa	MP8b2.7
Wittneben, Armin	MP8b2.14	Zhang, Benhong	WA8a2.2
Wo, Tianbin	TP8a1.7	Zhang, Charlie	MP6.8
Wohlberg, Brendt	TA4.8	Zhang, Jianzhong (Charlie)	MP8b2.18
Wohlberg, Brendt	TA4.4	Zhang, Xi	MP6.6
Wolfe, Patrick	WA4.6	Zhang, Xiaojie	MP8b2.6
Won, Joong Ho	TP4.8	Zhang, Yimin	MP4.8
Wood, Leslie	MP8a1.8	Zhang, Yun	TA8a3.8
Wood, Sally	MP8a1.16	Zhang, Yuping	TP8a2.9
Wood, Sally	WA1b.1	Zhang, Yuping	WA8a1.11
Wornell, Gregory	TA2.2	Zhao, Chunming	TP8b1.22
Wu, Huapeng	TA5.8	Zhao, Qing	MP8b2.17
Wu, Huapeng	TA8b1.7	Zheng, Haitao	WA7b.3
Wu, Huapeng	TP8a2.7	Zheng, Jing	WA3b.3
Wu, Qiu	TA3.2	Zheng, Jun	TP6.5
Wu, Renbiao	TA8a1.7	Zheng, Lizhong	MP8b2.8
Wu, Wenqian	TP5.2	Zheng, Xiayu	TA8a1.7
Wu, Ying-Wah	TA8b1.5	Zheng, Yunfei	TA7.3
Wyatt, Chris	TA7.7	Zhou, Dayong	MA7b.4
Xi, Songnan	TP8a1.2	Zhou, Dayong	TP5.3
Xia, Pengfei	MP8b2.15	Zhou, G. Tong	TP8b1.22
Xie, Lexing	MA3b.3	Zhu, X. Ronald	TP8b2.3
Xie, Yao	MA2b.3	Zhu, Yonglan	MP8b2.5
Xie, Yao	TA3.3	Zielinski, Adam	TA8a1.3
Xin, Yan	MP8a1.5	Zlatanovici, Radu	TP5.6
Xin, Yan	MP8b2.5	Zoltowski, Michael	TA1.5
Xu, Changlong	WA8a1.7	Zoltowski, Michael	TP8a1.2
Xu, Min	MP7.8	Zou, Qiyue	TP4.6
Yaddanapudi, Prasad	TP8b1.18	Zulch, Peter	MA2b.5
Yang, C-H	WA7a.2		
Yang, Dong-Hyeuk	TA8b2.10		
Yang, Fuxing	WA3a.4		
Yang, Guang	TP5.4		
Yang, H.	MP4.7		
Yang, Hyun Jong	TP8a1.11		

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