	August	9-12, 201	15 - Signal Processing Workshop/Signal Processing Education Worl	kshop - Snowbird Resort, Salt Lake City, Utah				
	Monday - 10th							
	Nonday = 100 Neural Networks. Machine Learning			Machine Learning				
		M1-1	Meta learning of bounds on the Bayes classifier error	Kevin Moon: Véronique Delouille: Alfred Hero III				
	М1	M1-2	The Performance Limit for Distributed Bayesian Estimation with Identical One-Bit Quantizers	Xia Li; Jun Guo; Uri Rogers; Hao Chen				
		M1-3	Randomized Robust PCA for High Dimensional Data Matrices	Mostafa Rahmani				
		M1-4	Highly Accurate Palmprint Recognition Using Statistical and Wavelet Features	Shervin Minaee; AmirAli Abdolrashidi				
		M1-5	Iris Recognition Using Scattering Transform and Textural Features	Shervin Minaee; AmirAli Abdolrashidi				
		M1-6	Reduced Dimensionality, Information Rich Visual Representations for Scene Classification	Kaveri Thakoor				
		M1-7	Studying the relationship between physical and language environments of children: Who's speaking to whom and where?	Abhijeet Sangwan; John Hansen; Dwight Irvin; Stephen Crutchfield; Charles Greenwood				
	SP Education							
		M1-8	Introductory signal Processing Course Offered Across the Curriculum	Andreas Spanias				
		M1-9	Real-Time DSP Basics Using Arduino and the Analog Shield SAR Codec Board	Mark Wickert				
		M1-10	Hands-on Software Defined Radio Experiments with the Low- cost RTL-SDR Dongle	Mark Wickert; McKenna Lovejoy				
	M1	MI-11	Introducing Digital Communications	Creat Kruchurzy, James H. McClellan				
		M1-12	Developing an Educational Electro Mechanical Medel of the					
		11111	Middle Ear and Impulse Noise Reduction Algorithm for Cochlear Implant Users	Juin naisen				
		M1-14	Nine C Programming Labs to Turn Students into Filtering and Signal Analysis Experts	Jake Gunther; Todd Moon				
			Digital Signal	L Processing				
	M1	M1-15	A Comparative Study Of Commuting Matrix Approaches For The Discrete Fractional Fourier Transform	Ishwor Bhatta; Balu Santhanam				
Monday		M1-16	wideband-FM Demodulation for Large Wideband to Narrowband conversion factors Via Multirate Frequency Transformations	Wenjing Liu; Balu Santhanam				
	CD for Communications							
		M2-1	Practical Insights on Full-Duplex Personal Wireless	Glenn Collins				
			Communications Gained from Operational Experience in the Satellite Environment					
		M2-2	Doubly Weighted DFT-Based Feedback Codebook Design For Orthogonal Space-Time Block Codes	Juinn-Horng Deng; Sheng-Yang Huang; Jeng-Kuang Hwang				
		M2-3	Fast Detection of OFDM systems using Graphical Models	Seare Rezenom; Fambirai Takawira				
		M2-4	Real-Time Rate-Adaptable Coding for Fading Channels	Sam Schmidt; Willie K Harrison				
	M2	M2-5	Tail Shortening by Virtual Symbols in FBMC-OQAM Signals	Fang Wang; Daiming Qu; Tao Jiang; Behrouz Farhang- Boroujeny				
		M2 7	An Autoregressive model for a single-hop Ketay channel					
		M2-7	detection in relay-based communication system	Haider Alshamary: Taren Y. Al-Naffouri: Alam Zaih: Weivu Yu				
		M2-9	Wireless Systems: A Polynomial Complexity Solution	Amir Aminiavaheri: Arman Farhang: Ahmad				
		M2-10	Waveform Candidates for 5G Relay misbehavior detection for robust diversity combining in	RezazadehReyhani; Behrouz Farhang-Boroujeny Tsang-Yi Wang: Po-Heng Chou: Wan-Jen Huang				
			cooperative communications Adaptive Methods for Estimation.	Compression, Fusion and Control				
		M2-11	Impact of Common Observations in Parallel Distributed	Hao Chen; Tsang-Yi Wang				
	M2	M2-12	Detection Using Extended Kalman Filter for Robust Control of a Flying	D. Maughan; Ishmaal Erekson; Rajnikant Sharma				
		M2-13	Inverted Pendulum Adaptive Likelihood Codebook Reordering Vector Quantization	Chu Meh Chu; Nathan Parrish; David Anderson				
		M2-14	for 1-D Data Sources Generating Laplace Process With Desired Autocorrelation from	Tadesse Ghirmai				
		M2-15	Gaussian AR processes Coherent Combination of Signals From Diverse Sensors	Todd Moon; Jake Gunther; McKay Bonham; Gustavious P				
		M2 14	Evaluating the performance of Max Current AC-DCT based	Williams Arun Begill; Shruti Puniani; Kamaljot Singh; Navjot Kaur				
		MZ-10	colored Digital image rusion for visual sensor networks					

	August	9-12, 201	15 - Signal Processing Workshop/Signal Processing Education Work	kshop - Snowbird Resort, Salt Lake City, Utah			
	Tuesday 11th						
	luesday = 11th			inemen. De die Astronomy, De der			
		T1 1	Signal Processing Applications: Fi	Shomesh Chaudhurii Androw W.Le			
		11-1	Beta	snomesn Chaudhuri; Andrew W Lo			
		T1-2	Fast Raw Data Simulator of Extended Scenes for Bistatic Forward-looking Synthetic Aperture Radar with Constant	Ziqiang Meng; Yachao Li; Mengdao Xing; Zheng Bao			
		T1-3	Analysis to Distinguish Range Deception Jamming with Kernel Local Fisher Discriminant	Sajjad Abazari Aghdam; Mahdi Nouri			
		T1-4	The Cross-Ambiguity Function for Emitter Location and Radar - Practical Issues for Time Discretization	James Schatzman			
		T1-5	You're Crossing the Line: Localizing Border Crossings Using Wireless RF Links	Peter Hillyard; Neal Patwari; Samira Daruki; Suresh Venkatasubramanian			
	11	T1-6	Compensating for Oversampling Effects in Polyphase Channelizers: A Radio Astronomy Application	John Tuthill; Grant Hampson; John Bunton; Frederic j harris; Andrew Brown; Richard Ferris; Timothy Bateman			
		T1-7	Multi-Tier Interference-Cancelling Array Processing for the ASKAP Radio Telescope	Richard A Black; Brian D. Jeffs; Karl Warnick; Gregory Hellbourg; Aaron Chippendale			
		T1-8	A Reconfigurable Optically Connected Beamformer and Correlator Processing Node for SKA	Grant Hampson; John Tuthill; Andrew Brown; John Bunton; Timothy Bateman			
		T1-9	Cancelling non-linear processing products due to strong out-of-band interference in radio astronomical arrays $% \left( {{{\rm{D}}_{\rm{B}}}} \right)$	Yifeng Wu; Richard A Black; Brian D. Jeffs			
		T1-10	Subspace smearing and interference mitigation with array radio telescopes	Gregory Hellbourg			
			Compressive Sensing	and Reconstruction			
		T1-11	Approximate Regularization Paths for Nuclear Norm Minimization Using Singular Value Bounds	Niclas Blomberg; Cristian Rojas; Bo Wahlberg			
		T1-12	Learning Anomalous Features via Sparse Coding Using Matrix Norms	Bradley Whitaker; David Anderson			
		T1-13	Sparse Recovery Using an SVD Approach to Interference Removal and Parameter Estimation	Charles Hayes; James H McClellan; Waymond R Scott, Jr.			
	T1	T1-14	Multi-Frame Super-Resolution for Mixed Gaussian and Impulse Noise based on Blind Inpainting	Ismael Silva; Boris Mederos-Madrazo; Leticia Ortega Maynez; Sergio D Cabrera			
		T1-15	Polarimetric target decomposition based on sparse attributed scattering center base decomposition	Jia Duan; Lei Zhang; Yifeng Wu			
		T1-16	Fast Imaging In Cannula Microscope Using Orthogonal Matching Pursuit	Ahmad Zoubi; Kishan Supreet Alguri; Ganghun Kim; V. John Mathews; Rajesh Menon; Joel Harley			
Tuesday		T1-17	On The Block-Sparsity Of Multiple-Measurement Vectors	Mohammad Shekaramiz; Todd Moon; Jake Gunther			
rucsday		T1-18	Dynamic Model Generation for Application of Compressed	Sally Wood; Ernesto Fontenla; Christopher Metzler; Wah			
			sensing to exto-election tomography reconstruction	Ciliu, Richard Baraniuk			
	Spectral Entiroption Array Descenting Cinnal Convertion						
		T2-1	Parametric spectral signal restoration via maximum entropy	Hai Liu: Zhaoli Zhang: Sanya Liu: Jiangho Shu: Tingting Liu			
			constraint and its application				
		T2-2	A new method for determination of instantaneous pitch frequency from speech signals	Abhay Upadhyay; Ram Bilas Pachori			
		T2-3	Source Localization with Sparse Recovery for Coherent Far- and Near-Field Signals	Ahmet M Elbir; T. Engin Tuncer			
		T2-4	Direction Finding and Localization for Far-Field Sources with Near-Field Multipath Reflections	Ahmet M Elbir; T. Engin Tuncer			
	T2	T2-5	Shrinkage estimation of spectral matrices: A EEG analysis centered approach	Deborah Schneider-Luftman			
		T2-6	Memory Efficient Spectral Estimation on Parallel Computing Architectures	Michael Barjenbruch; Franz Gritschneder; Jens Klappstein; Juergen Dickmann; Klaus Dietmayer			
		T2-7	Blind Non-negative source recovery in under-determined mixtures	Tianliang Peng; Yang Chen			
		T2-8	Extracting The Fundamental Frequency of a Nonlinear Chirp	Todd Moon; Jake Gunther; Gustavious P Williams			
			Tracking, and the Viterbi Algorithm				
			SP Educ	cation			
		T2-9	Using the ARM Cortex-M4 and the CMSIS-DSP Library for	Mark Wickert			
			Teaching Real-Time DSP				
	T2	T2-10	Using the IPython Notebook as the Computing Platform for Signals and Systems Courses	Mark Wickert; McKenna Lovejoy			
		T2-11	DSP Education by Fixed-Point Implementation & Measurement	Jorge Cadena; A. A. (Louis) Beex			
		T2-12	The Lab-in-a-box Project: An Arduino Compatible Signals And Electronics Teaching System	William Esposito; Fernando A Mujica; Domingo Garcia; Gregory T.A. Kovacs			
		T2-13	Teaching Digital Signal Processing with Stanford's Lab-in-a-Box	Fernando A Mujica; William Esposito; Alex Gonzalez; Charles R Qi; Christopher Vassos; Maisy Wieman; Reggie Wilcox; Gregory T.A. Koyacs: Ronald Schafer			
		T2-14	Using smartphones as mobile implementation platforms for	Nasser Kehtarnavaz			
		T2.15	appried digital signal processing Courses	Cameron Wright: Thad B. Welch: Michael Morrow			
		12-15	Leveraging student knowledge of DSP for Optical Engineering	cameron wright, mad b. wetch; Michael Morrow			

August 9-12, 2015 - Signal Processing Workshop/Signal Processing Education Workshop - Snowbird Resort, Salt Lake C	ity, Utah

			Wednesday = 12th			
	Image Processing, Video Processing, Hyperspectral and Multispectral Image Processing					
Wednesday	W1	W1-1	Face Recognition in Vehicles with Near Infrared Frame Differencing	Jinwoo Kang; David Anderson; Monson Hayes		
		W1-2	Signal Processing Techniques for Enhancing Multispectral Images of Ancient Documents	Trace Griffiths; Gene Ware; Todd Moon		
		W1-3	Eigen-gap of Structure Transition Matrix: A New Criterion for Image Quality Assessment	Mohsen Joneidi; Mostafa Rahmani; Hossein Bakhshi Golestani; Mohammad Ghanbari		
		W1-4	Image Loss Concealment Using Edge-Guided Interpolation and Multi-scale Transformation	Bahareh Langari; John Stonham; Alireza Mousavi		
		W1-5	A Practical Strategy for Spectral Library Partitioning and Least-Squares Identification	Shawn Higbee		
		W1-6	Temperature Emissivity Separation: Estimation with a Parameter Affecting Both the Mean and Variance of the	Todd Moon; David Neal; Jake Gunther; Gustavious P Williams		
		W1-7	Body markers detection based on 3D video processing oriented to children gait analysis	Mario Chacon; Carlos Avalos; Omar Arias		
		Neural Networks, Machine Learning				
	W1	W1-8	A neural bio-inspired scheme for head pose recognition	Mario Chacon; Huber Orozco; Juan Ramirez		
		W1-9	Mapping Arabic Acoustic Parameters to Their Articulatory Features Using Neural Networks	Yousef A Alotaibi; Yasser M Seddiq		
		W1-10	A Novel Method for Blind Segmentation of Thai Continuous Speech	Siripong Potisuk		
		W1-11	Deep Emotion Recognition using Prosodic and Spectral Feature Extraction and Classification based on Cross Validation and	Ayush Sharma; David Anderson		
		W1-12	Traffic Flow Forecasting Research Based on Bayesian Normalized Elman Neural Network	Wenchi Ma		