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SS-L5: DIGITALLY ENHANCED ANALOG SYSTEMS

SS-L5.1: SYSTEM-DRIVEN METRICS FOR THE DESIGN AND ADAPTATION OF 5281
ANALOG TO DIGITAL CONVERTERS

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SS-L5.2: ENABLING SYSTEM-LEVEL PLATFORM RESILIENCE THROUGH 5285
EMBEDDED DATA-DRIVEN INFERENCE CAPABILITIES IN ELECTRONIC DEVICES

Naveen Verma, Kyong Ho Lee, Kuk Jin Jang, Princeton University, United States; Ali Shoeb, Massachusetts General Hospital, now with WeatherBill, United States

SS-L5.3: A FULLY AUTOMATED TECHNIQUE FOR CONSTRUCTING FSM 5289
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Karthik Aadithya, University of California at Berkeley, United States; Yingyan Lin, UIUC, United States; Chenjie Gu, University of California at Berkeley, United States; Aolin Xu, UIUC, United States; Jaijeet Roychowdhury, University of California at Berkeley, United States; Naresh Shanbhag, UIUC, United States

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Jeff Dugger, Georgia Institute of Technology, United States; Paul D. Smith, Matt Kucic, Texas Instruments, Inc., United States; Paul Hasler, Georgia Institute of Technology, United States

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Douglas Adams, Stanford University, United States; Chester Park, Ericsson Inc., United States; Yonina C. Eldar, Technion – Israel Institute of Technology, Israel; Boris Murmann, Stanford University, United States

SS-L6.2: PERFORMANCE TRADE-OFFS AND DESIGN LIMITATIONS OF 5309
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Omid Abari, Fred Chen, Fabian Lim, Vladimir Stojanovic, Massachusetts Institute of Technology, United States

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Andrew Waters, Rice University, United States; Charles Sestok, Texas Instruments, Inc., United States; Richard Baraniuk, Rice University, United States

SS-L6.4: ANALOG COMPRESSED SENSING FOR RF PROPAGATION CHANNEL 5317
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Jonathan Tamir, Theodore Rappaport, The University of Texas at Austin, United States; Yonina C. Eldar, Technion – Israel Institute of Technology, Israel; Ahsan Aziz, National Instruments, United States

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Juhwan Yoo, Amin Khajehnejad, Babak Hassibi, Azita Emami-Neyestanak, California Institute of Technology, United States

SS-L6.6: DESIGN AND IMPLEMENTATION OF A FULLY INTEGRATED 5325
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Juhwan Yoo, Stephen Becker, Manuel Monge, Matthew Loh, California Institute of Technology, United States; Emmanuel Candes, Stanford University, United States; Azita Emami, California Institute of Technology, United States

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Donald R. Brown, Worcester Polytechnic Institute, United States; Patrick Bidigare, Raytheon BBN Technologies, United States; Upamanyu Madhow, University of California at Santa Barbara, United States

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Raghuraman Mudumbai, University of Iowa, United States; Patrick Bidigare, Scott Pruessing, Raytheon BBN Technologies, United States; Soura Dasgupta, University of Iowa, United States; Miguel Oyarzun, David Raeman, Raytheon BBN Technologies, United States

SS-L2.3: NETWORK LOCALIZATION FOR DISTRIBUTED TRANSMIT BEAM 5217 FORMING WITH MOBILE RADIOS

Troy Stevens, Keith Kastella, SRI International, United States

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Dan Bliss, Shawn Kraut, MIT Lincoln Laboratory, United States; Ameya Agaskar, Harvard University, United States

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Donald R. Brown, Worcester Polytechnic Institute, United States; Raghuraman Mudumbai, Soura Dasgupta, University of Iowa, United States

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Patrick Bidigare, Raytheon BBN Technologies, United States; Upamanyu Madhow, University of California at Santa Barbara, United States; Raghuraman Mudumbai, University of Iowa, United States; Dzul Scherber, Raytheon BBN Technologies, United States

SS-L12: RAY AND SOUND REPRODUCING IN 3D SPACE

SS-L12.1: FTV (FREE-VIEWPOINT TELEVISION) FOR RAY AND SOUND 5441 REPRODUCING IN 3D SPACE

Masayuki Tanimoto, Nagoya University, Japan

SS-L12.2: 3D SPATIAL RECONSTRUCTION AND COMMUNICATION FROM VISION 5445 FIELD

Xun Cao, Qifei Wang, Xiangyang Ji, Qionghai Dai, Tsinghua University, China

SS-L12.3: THREE-DIMENSIONAL TELEVISION SYSTEM BASED ON SPATIAL 5449 IMAGING METHOD USING INTEGRAL PHOTOGRAPHY

Jun Arai, NHK, Japan

SS-L12.4: INTERACTIVE ELECTRONIC HOLOGRAPHY AND 300-CAMERA ARRAY IN 5453 DENSE ARRANGEMENT

Kenji Yamamoto, Yasuyuki Ichihashi, Takanori Senoh, Ryutaro Oi, Taiichiro Kurita, National Institute of Information and Communications Technology, Japan

SS-L12.5: TELESCOPIC MICROPHONE ARRAY USING REFLECTOR FOR 5457 SEGREGATING TARGET SOURCE FROM NOISES IN SAME DIRECTION

Kenta Niwa, Yusuke Hioka, Sumitaka Sakauchi, Ken'ichi Furuya, Yoichi Haneda, NTT Cyber Space Laboratories, Japan

