

Special Session 1 on IEICE International Sections**Presentation time: 20 min, Q&A : 3-5 min****Dec. 3rd (Thu) 17:50-20:00 (JST)**

Session SA1		Chair : Tomoaki Ohtsuki (Keio University)
SA1-1	Opening Remarks	Tomoaki Ohtsuki (Keio University)
SA1-2	AWGR Modularization and Its Applications on Optical Switching and Interconnection	Tong Ye (Shanghai Jiao Tong University(Shanghai Jiao Tong University)), Tony T. Lee (Chinese University of Hong Kong)
SA1-3	Reconfigurable Optical Networking for High-Performance Computing	Guojun Yuan (Institute of Computing Technology, Chinese Academy of Sciences (ICT)), Hongrui Zhu (Institute of Computing Technology, Chinese Academy of Sciences (ICT)), Wenzhe Li (Institute of Computing Technology, Chinese Academy of Sciences (ICT))
SA1-4	On Modelling Traffic Overflow in Multiservice Systems Using Hayward's Approach	Mariusz Glabowski (Poznan University of Technology)
SA1-5	Resonance	Maide Bucolo (Universita degli Studi di Catania), Arturo Buscarino (Universita degli Studi di Catania), Luigi Fortuna (Universita degli Studi di Catania), Mattia Frasca (Universita degli Studi di Catania)
SA1-6	Explainable Deep Convolutional Neural Network in EEG Seizure Onset Prediction	Punnawish THUWAJIT (Vidyasirimedhi Institute of Science & Technology (VISTEC)), Nannapas BANLUESOMBATKUL (Vidyasirimedhi Institute of Science & Technology (VISTEC)), Phattarapong SAWANGJAI (Vidyasirimedhi Institute of Science & Technology (VISTEC)), Payongkit LAKHAN (Vidyasirimedhi Institute of Science & Technology (VISTEC)), Theerawat WILAIPRASITPORN (Vidyasirimedhi Institute of Science & Technology (VISTEC))

Session SB1		Chair : Masaharu Takahashi (Chiba University)
SB1-1	Opening Remarks	Masaharu Takahashi (Chiba University)
SB1-2	Intelligent Sensing: Research on Non-contact Health Monitoring With Artificial Intelligence Based on Bioradar	Lin Zhang (Beijing University of Posts and Telecommunications)
SB1-3	Cellular Internet of Things: Current State of the Art and the Road Ahead	Dejan Vukobratovic (University of Novi Sad)
SB1-4	Age of Information and Beyond in Wireless Networks	Zhiyuan Jiang (Shanghai University)
SB1-5	Prediction of Wireless MmWave Massive MIMO Channel Characteristics Based on Graph Attention Networks	Long Yu (Southeast University), Cheng-Xiang Wang (Southeast University)

Special Session 2 on IEICE Communications Society Editorial Board**Dec. 4th (Fri) 13:00-13:50 (JST)**

Session SC1		Session chair: Makoto Taromaru (Fukuoka University)
SC1-1	Opening Remarks	Takaya Yamazato (Nagoya University)
SC1-2	User-wise Joint Transmit-Receive Diversity for Multi-user MIMO	Fumiyuki Adachi (Tohoku University), Ryo Takahashi (Tohoku University)

14:00-14:50 (JST)

Session SC2		Session chair: Takaya Yamazato (Nagoya University)
SC2-1	Content-based Wake-up for Aggregate Query in Wireless Sensor Networks	Hiroyuki Yomo (Kansai University), Junya Shiraishi (Kansai University), Hitoshi Kawakita (Kansai University)
SC2-2	Weathercast-linked Control of Lithium-Ion Battery in Green Base Stations	Masaki Nakamura (NTT DOCOMO, INC.), Kazuhiko Takeno (NTT DOCOMO, INC.), Masahito Shoyama (Kyushu University)

Session SD2		Session chair: Masaki Bandai (Sophia University)
SD2-1	An Introduction of Social Network Analysis Techniques for Socially Aware Networking	Sho Tsugawa (University of Tsukuba)
SD2-2	For the applications of Stochastic resonance in the telecommunications and signal processing	Yukihiro Tadokoro (Toyota Central Research and Development Labs., Inc.), Takaya Yamazato (Nagoya University), Hiroya Tanaka (Toyota Central Research and Development Labs., Inc.), Shintaro Arai (Okayama University of Science), Yasuo Nakashima (Nagoya University), Shintaro Hiraoka (Nagoya University)

15:00-15:50 (JST)

Session SC3		Session chair: Daisuke Umehara (Kyoto Institute of Technology)
SC3-1	Multicore Erbium Doped Fiber Amplifiers for Multicore Fiber Transmission Systems	Hitoshi Takeshita (NEC Corporation), Keiichi Matsumoto (NEC Corporation), Kohei Hosokawa (NEC Corporation), Emmanuel Le Taillandier de Gabory (NEC Corporation)
SC3-2	Implementation of Dynamic Reconstruction Mechanism of Distributed SDN Control Plane	Takahiro Hirayama (National Institute of Information and Communications Technology(NICT)), Takaya Miyazawa (National Institute of Information and Communications Technology(NICT)), Ved P. Kafle (National Institute of Information and Communications Technology(NICT))

Session SD3		Session chair: Masaki Bandai (Sophia University)
SD3-1	Search coil magnetometer with built-in ASIC preamplifier for space plasma wave observation under high-radiation environments	Yuya Tokunaga (Kanazawa University), Mitsunori Ozaki (Kanazawa University), Satoshi Yagitani (Kanazawa University), Hiroki Koji (Kanazawa University), Hirotsugu Kojima (Kyoto University)
SD3-2	Low-complexity Large MIMO detection via Gaussian Belief Propagation	Takumi Takahashi (Osaka University), Shinsuke Ibi (Doshisha University), Seiichi Sampei (Osaka University)