

Invited Session
Presentation time: 20 min, Q&A : 3-5 min
Dec. 2nd (Wed) 13:30-14:45 (JST)

Session IA1		Chair : Takahide Sakamoto (Tokyo Metropolitan University)
IA1-1	Recent Progress and Roadmap of Space Division Multiplexing Technologies	Itsuro Morita (KDDI Research, Inc.)
IA1-2	Interferometric technique for simultaneous measurement of the differential group delay between modes in few-mode fibers	Masaharu Ohashi (Osaka Prefecture University College of Technology), Nori Shibata (Nihon University), Hirokazu Kubota (Osaka Prefecture University), Yuji Miyoshi (Osaka Prefecture University)
IA1-3	An Initial Study on Designing Prediction-Based Resource Allocation in Satellite Communication Systems	Masaki Takahashi (Tohoku University), Yuichi Kawamoto (Tohoku University), Nei Kato (Tohoku University)

Session IB1		Chair : Takeru Inoue (NTT)
IB1-1	Field Trial Activities of 5G Vehicle-to-Vehicle Direct Communication for Application to Truck Platooning	Manabu Mikami (Softbank Corp.), Hitoshi Yoshino (Softbank Corp.)
IB1-2	Interaction between Protocol Layers in Adaptive Video Steaming	Miki Yamamoto (Kansai University)
IB1-3	Dependable Virtual Clinic with Standard Platform of UWB-BAN, 5G/6G Cloud, and AI Data Mining against Pandemic and Daily Life	Ryuji Kohno (Yokohama National University), Chika Sugimoto (Yokohama National University), Takumi Kobayashi (Yokohama National University)

Dec. 2nd (Wed) 19:10-20:50 (JST)

Session IA2		Chair : Takeshi Onizawa (NTT)
IA2-1	Flexible LPWA Based on Environmental Dynamics	Koichi Adachi (The University of Electro-Communications), Osamu Takyu (Shinshu University), Mai Ohta (Fukuoka University), Takeo FUJII (The University of Electro-Communications)
IA2-2	Intelligent Radio-Wave Design: Distributed Intelligent Reflecting Surface with Direction-based Control for Millimeter-wave Communications	Masashi Iwabuchi (Nippon Telegraph and Telephone Corporation (NTT)), Tomoki Murakami (Nippon Telegraph and Telephone Corporation (NTT)), Riku Ohmiya (Nippon Telegraph and Telephone Corporation (NTT)), Tomoaki Ogawa (Nippon Telegraph and Telephone Corporation (NTT)), Yasushi Takatori (Nippon Telegraph and Telephone Corporation (NTT)), Daisuke Kitayama (NTT DOCOMO, INC.), Yoshihisa Kishiyama (NTT DOCOMO, INC.), Takahiro Asai (NTT DOCOMO, INC.)
IA2-3	Two-dimensional Beam-switching Butler Matrix for Multi-beam Massive MIMO	Jiro Hirokawa (Tokyo Institute of Technology)
IA2-4	Design and fabrication of new broadband folded-type antenna and measurement of characteristics	Shinobu Ishigami (Tohoku Gakuin University), Toshiya Ishizaki (Tohoku Gakuin University), Kyo Kobayashi (Tohoku Gakuin University), Ken Kawamata (Tohoku Gakuin University), Katsushige Harima (National Institute of Information and Communications Technology(NICT)), Shingo Inori (Elena Electronics)

Session IB2		Chair : Eisuke Hanada (Saga University)
IB2-1	Development and Field Tests of a Drone Video Streaming System using Scalable Video Coding and Multiple Paths	Koichi Nihei (NEC Corporation)
IB2-2	NDN-based Publish/Subscribe Communication in Disasters	Yuki Koizumi (Osaka University), Yoji Yamamoto (Osaka University), Toru Hasegawa (Osaka University)
IB2-3	Research and Development Using Campus Network	Kenichi Yoshida (University of Tsukuba), Akira Sato (University of Tsukuba), Shuji Sannomiya (University of Tsukuba)
IB2-4	A Survey of Large-Scale Network Testbed Projects in the US and the EU	Eiji Kawai (NICT), Hiroaki Harai (NICT)

Dec. 4th (Fri) 16:00-16:45, 17:45-18:30 (JST)

Session IA3		Chair : Yusuke Hirota (NICT)
IA3-1	Research topics on Photonic Transport and Photonic Networks toward B5G/6G era	Takehiro Tsuritani (KDDI Research, Inc.)
IA3-2	Recent Progress of Real-time Space Division Multiplexed Techniques in Optical Fiber Transmission	Koji Igarashi (Osaka University)
IA3-3	Photonics-Applied High-Frequency Electromagnetic Field Measurement Techniques for 5G/Beyond-5G Mobile Systems and Millimeter-Wave Radars	Hiroshi Murata (Mie University)

Session IB3		Chair : Shintaro Uno (Aichi University of Technology)
IB3-1	Federation of IoT Systems and Service Function Chaining	Hidekazu Nakazato (Waseda University)
IB3-2	Environment independent IT-management for low-cost and robustness operation	Tsunemasa Hayashi (BOSCO Technologies Inc.)
IB3-3	Survey on standardization activities of IoT and proposal of the IoT data exchange platform	Tetsuya Yokotani (Kanazawa Institute of Technology), Kazuya Kawai (National Institute of Advanced Industrial Science and Technology (AIST))
IB3-4	Modeling of Online Echo-Chamber Effect Based on the Concept of Spontaneous Symmetry Breaking	Masaki Aida (Tokyo Metropolitan University), Ayako Hashizume (Hosei University)