List of Publications

September 22 2017

Takaya Miyazawa
National Institute of Information and Communications Technology (NICT)

Journal Papers


7. Koki Ohba, Tatsuma Hirano, Takaya Miyazawa and Iwao Sasase, "A Symbol Decision Scheme to Mitigate Both Effects of Scintillations and MAIs in Optical Atmospheric PPM-CDMA


**International Conference Papers**


8. Koki Ohba, Tatsuma Hirano, **Takaya Miyazawa** and Iwao Sasase, "A symbol decision scheme to mitigate effects of scintillations and MAIs in optical atmospheric PPM-CDMA systems", 


19. **Takaya Miyazawa**, "Researches and Developments on New Generation Network in AKARI Architecture Design Project," 2010 International Conference on Advanced Intelligence and Awareness Internet (AiAi2010), Beijing, China, October 2010. (To be presented) (Invited)


34. Takaya Miyazawa, Hideaki Furukawa, Naoya Wada, Hiroaki Harai, "Development of a Common Path Control-Plane for Interoperating Hybrid Optical Packet- and Circuit-Switched Ring Networks and WSONs," The 18th OptoElectronics and Communications Conference / Photonics in Switching (OECC/PS) 2013, TuQ4-2, Kyoto, Japan, June/July 2013.

35. Hideaki Furukawa, Takaya Miyazawa, Naoya Wada, Hiroaki Harai, "Internet Access Demonstration Using Optical Packet Switching Network with 89 km Field Transmission of 100 Gbps Optical Packet," The 18th OptoElectronics and Communications Conference / Photonics in Switching (OECC/PS) 2013, TuQ4-3, Kyoto, Japan, June/July 2013.

36. Hideaki Furukawa, Kenji Fujikawa, Takaya Miyazawa, Naoya Wada, Hiroaki Harai, "Multihomed Optical Packet and Circuit Integrated Network Based on Hierarchical Address


45. Takaya Miyazawa, Hideaki Furukawa, Naoya Wada, Hiroaki Harai, "Dynamic Resource Allocations Using Time-Series Data of Path Usage for Optical Packet and Circuit Integrated


47. Naoya Wada, Hideaki Furukawa, Takaya Miyazawa, Hiroaki Harai, "Optical packet and circuit integrated ring network with wavelength resources boundary control," 16th International Conference on Transparent Optical Networks (ICTON) 2014, Workshop on All-Optical Routing (WAOR), Graz, Austria, July 2014.

48. Xiaoyuan Cao, Noboru Yoshikane, Takehiro Tsuritani, Itsuro Morita, Takaya Miyazawa, Naoya Wada, "Openflow-controlled Optical Packet Switching Network with Advanced Handling of Network Dynamics," European Conference and Exhibition on Optical Communication (ECOC2014), Th.2.2.4, Cannes, France, September 2014.


64. George M. Saridis, Benjamin J. Puttnam, Ruben S. Luis, Werner Klaus, **Takaya Miyazawa**, Yoshinari Awaji, Georgios Zervas, Dimitra Simeonidou, and Naoya Wada, "Experimental Demonstration of a Flexible Filterless and Bidirectional SDM Optical Metro/Inter-DC Network," European Conference and Exhibition on Optical Communication (ECOC2016), Dusseldorf, Germany, September 2016.


68. Takahiro Hirayama, **Takaya Miyazawa**, Hiroaki Harai, "Reconstruction of Control Plane of Distributed SDN against Large-scale Disruption and Restoration," 13th International Conference on IP+Optical Network (iPOP2017), T3-2, Kawasaki, JAPAN, June 2017.


**Domestic Conference Papers**


44. Takahiro Hirayama, Takaya Miyazawa, Hiroaki Harai, “---”, 2015 academic conference of IEICE, March 2015.


**Other**


2. Takaya Miyazawa, “Great Experiences in the COE, and Current Research Activities”, Special Lecture in the Keio University Global COE (Center of Excellence) for the High-Level global cooperation for leading-edge platform on access spaces, December-22 2008.


