Research Promotion Council of Kei-han-na Info-Communication Open Laboratory

Interoperability Working Group





PJ31: Ethernet over OTN Technology

- 400Gigabit Ethernet -LANPHY Transmission Technology etc...

PJ32: Multi-Technology Transport Network Control Technology

- Multi Layer/ Multi Domain Network Control Technology
- SDTN (Software Defined Transport Network) etc...

Testing/ Demonstration

"End-to-End Management of All Optical Disaggregated Network and Applications with Cloud Native Environment" at iPOP2020-Showcase. (PJ32)

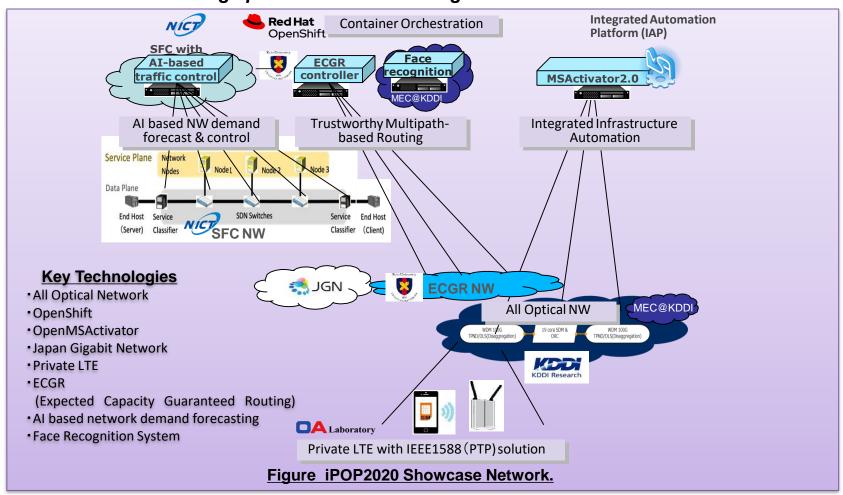
◆ The experiments of iPOP2020-Showcase focused on the features of end-to-end management on a cloud-nativeuser/network applications provided on the network infrastructure using optical and wirelessusing containers on multi-cloud environment.



Chair: Naoaki YAMANAKA

Hirotaka YOSHIOKA (NTT) Satoru OKAMOTO (Keio University) Masatoshi SUZUKI (KDDI Research)

Members: Keio University, NTT, KDDI Research, Anritsu, Fujitsu, HITACHI, Mitsubishi Electric, NEC, NICT



Publications

 Shinya Nakamura, Kohei Shiomoto, Hyde Sugiyama, Yusuke Hirota, Noboru Yoshikane, Kentaro Sugawara, Masatake Miyabe, Tomotaka Eguchi, Satoru Okamoto, Masaki Murakami, Takahiro Hirayama, Ikuo Sato, Thomas Roux, ``First Demonstration of End-to-End Network Slicing with Transport Network Coordination and Edge Cloud Applications in 5G Era," 24th OptoElectronics and Communications Conference/International Conference on Photonics In Switching and Computing (OECC/PSC 2019), No. PDP-4, July 2019.

M. Shiraiwa, N. Yoshikane, S. Xu, T. Tsuritani, N. Miyata, T. Mori, M. Miyabe, T. Katagiri, S. Yoshida, M. Tanaka, T. Hayashi, H. Sugiyama, I. Satou, M. Mikuni, S. Okamoto, N. Yamanaka, B. Jeong, Y. Awaji, N. Wada, "Experimental Demonstration of Disaggregated Emergency Optical System for Quick Disaster Recovery," IEEE/ OSA Journal of Lightwave Technology (Invited), August 2018.

M. Shiraiwa, N. Yoshikane, S. Xu, T. Tsuritani, N. Miyata, T. Mori, M. Miyabe, T. Katagiri, S. Yoshida, M. Tanaka, T. Hayashi, H. Sugiyama, I. Satou, M. Mikuni, S. Okamoto, N. Yamanaka, Y. Awaji, and N. Wada, "First Experimental Demonstration of Disaggregated Emergency Optical System for Quick Disaster Recovery," in Proc. Optical Fiber Communication Conference (OFC2018), San Diego, CA, USA, Th2A.29, March 2018.

