



CALL FOR PARTICIPATION

The 14th Conference on IP + Optical Network (iPOP2018)
Exhibition and Conference
Tokyo, Japan, may 31-June 1, 2018
<https://www.pilab.jp/ipop2018/>

Sponsored by PIL (Photonic Internet Lab) and ISOCORE, and supported by PIF (Photonic Internet Forum), Kei-han-na Consortium.

iPOP2018 COMMITTEE

General Co-Chairs: Naoaki Yamanaka, Keio University, Japan
Shinya Tachimoto, NTT, Japan
Bijan Jabbari, ISOCORE, USA

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Naoki Miyata, NTT Communications, Japan



Shinya Tachimoto,
NTT, Japan



Naoaki Yamanaka,
Keio University, Japan



Bijan Jabbari,
ISOCORE, USA

WELCOME REMARKS

iPOP 2018 is the 14th anniversary of this annual International conference! This event which has been sponsored by Photonic Internet Labs (PIL) and ISOCORE since its inception, takes place May 31- June 1, 2018, in the NICT Koganei, Tokyo, Japan. NICT is one of the largest national research institutes and laboratories conducting research on the ICT technology in Japan.

Last year's event, iPOP 2017, there were more than 300 attendees, a real success! This year we are augmenting the existing central theme of the conference with multi-sliced optical transport networks which can carry a multiplicity of services on one physical network. In addition, we have network topics such as SDN, NFV and service chaining while still keeping the focus on reliable, manageable, flexible and cost effective carrier and/or service provider networks. From last several years those networks are more focused on data-center, mobile access network integration like 5G. In other words, networks to support IoT or M2M infrastructure which provides future trends and they have different QoS and trustworthy needs.

Networking is now becoming software based and providing flexibility and programmability. Such NFV functions use bandwidth which are restriction-free optical links with delay tolerance. In addition, these carrier technologies are based on the newly developed AI or Big data analysis at the top of the network and will require coordination within network and create new services. These vertical integration or application coordinated network architecture is an important approach.

The technical program committee has put together an exciting program consisting of technical sessions with emphasis on presentations on SDN, Orchestration with data/network, PCE (Path Computation Element) with data analytic and its applications, and advance data-center network with Optical Devices. In addition, there will be technology showcases and other demonstrations in the booths that is always full of attendees.

We hope that you would be able to join us at iPOP 2018 and benefit from the presentations and technical discussions! We look forward to your participation and support to make the event a great success!

iPOP 2018 General Co-Chairs
Naoaki Yamanaka, Shinya Tachimoto and Bijan Jabbari

REGISTRATION INFORMATION

The participation is **FREE**, but advance registration is required.

The registration site will be available at <https://www.pilab.jp/ipop2018/>

TIMETABLE

| Thursday 31, May, 2018 | |
|------------------------|--|
| 10:00-12:20 | iPOP Plenary Presider: iPOP Organizing Committee Co-Chair Opening address - Naoaki Yamanaka, iPOP General Co-Chair, Keio University, Japan - Bijan Jabbari, iPOP General Co-Chair, ISOCORE, USA Keynote K-1 Laurent Ciavaglia, Nokia Bell Labs, France K-2 Yoshinari Awaji, NICT, Japan iPOP Exhibition Introduction - iPOP Exhibition Co-Chair Local arrangement - iPOP Local arrangement Co-Chair Break (70 min) |
| 13:30-15:10 | Technical Session 1: Network Slicing Chair: Tomohiro Otani, KDDI Research, Japan T1-1 Young Lee, Huawei, USA T1-2 Gianmarco Bruno, Ericsson, Italy T1-3 Shunsuke Homma, NTT, Japan T1-4 Hidetsugu Sugiyama, Red Hat K.K., Japan Break (15 min) |
| 15:25-17:05 | Technical Session 2: Network Resiliency and Diagnosis Chair: Akira Hirano, NTT, Japan T2-1 Takuya Oda, NTT, Japan T2-2 Shu Sekigawa, Keio University, Japan T2-3 Stefan Spälter, Coriant, Germany T2-4 Hongxiang Guo, BUPT, Beijing, China Break (15 min) |
| 17:20-18:20 | Poster Session / Exhibition P-1 Junyi Shao, Shanghai Jiao Tong University, China P-2 Hiroaki Yamauchi, Kogakuin University, Japan P-3 Hiroyuki Ohyanagi, NTT, Japan P-4 Naoki Oda, Kogakuin University, Japan P-5 Kanon Sasaki, Kogakuin University, Japan P-6 Yanjun Li, Inspur, China P-7 Se Joon Chun, Hanyang University, Korea P-8 Sung Hwan Lee, Hanyang University, Korea |
| 18:30-20:30 | Reception |

| Friday 1, June, 2018 | |
|----------------------|--|
| 09:30-11:10 | Technical Session 3: Optical Network System Chair: Jin Seek Choi, Hanyang University, Korea T3-1 Hiroshi Yamamoto, NTT, Japan T3-2 Liu Liu, Huawei, China T3-3 Gert Grammel, Juniper, USA T3-4 Genichi Mori, KDDI Research, Japan Break (5 min) |
| 11:15-11:35 | Business Session Chair: Tomohiro Otani, KDDI Research, Japan B-1 Hao Xue, Spirent Communications, Japan Break (85 min) |
| 13:00-14:40 | Technical Session 4: SDN/NFV Chair: Young Lee, Huawei Technologies, USA T4-1 Pedro Martinez-Julia, NICT, Japan T4-2 Toru Furusawa, NTT Communications, Japan T4-3 Quan Pham Van, Nokia Bell Labs, France T4-4 Tetsuro Inui, NTT, Japan Break (20 min) |
| 15:00-16:30 | Special Panel Session |
| 16:30-16:45 | Closing iPOP Organizing Committee Co-Chair |



EXHIBITION & SHOWCASE

During the conference, Exhibition and Showcase are also held. For updated information, visit

<https://www.pilab.jp/ipop2018/>

VENUE

NICT Headquarters,
 4-2-1 Nukui-Kitamachi, Koganei, Tokyo 184-8795, Japan

from Kokubunji-station: 10min by bus

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