Program

1. **Opening Session**
   Chair: Seigo Kanemaru (Director General, Department of Electronics and Manufacturing, AIST)

   Greetings
   10:00-10:08 Ryoji Chubachi (President, AIST)

   10:08-10:15 Tomohiro Terasaki (Director for Regional R&D Promotion, University-Industry Collaboration
   and Regional R&D Division, Science and Technology Policy Bureau, MEXT)

   Keynote Speech
   10:15-10:55 "Silicon Photonics for Future Datacenters and Computing"
   Clint Schow (Professor, University of California, Santa Barbara, USA)

   10:55-11:35 "Fundamental Needs and Challenges for Optical Networks in the Post-Moore Era"
   Satoshi Matsuoka (Professor, GSIC Tokyo Institute of Technology)

   11:35-12:15 "Service Innovation through "Vision Intelligence"
   Tsuneo Komatsuzaki (Managing Executive Officer, Director of Intelligent Systems Laboratory,
   SECOM CO., LTD)

   12:15-13:15 Lunch Break

2. **Poster Presentations**
   13:15-14:00   Group A

3. **VICTORIES Session**
   Chair: Tomohiro Kudoh (Professor, Information Technology Center, The University of Tokyo)

   Presentation by AIST
   14:00-14:30 "VICTORIES: Status and Challenges toward Innovation"
   Shu Namiki (Chairperson of VICTORIES Executive Committee, AIST)

   14:30-14:45 ① " Network Application Interface:
   Performance Assurance for Software-based Packet Processing"
   Ryousei Takano (Group Leader, Information Technology Research Institute, AIST)

   14:45-15:00 ② "Dynamic Node: Development of Open and Disaggregated Standard Rack"
   Shu Namiki (Deputy Director, Electronics and Photonics Research Institute, AIST)

   15:00-15:15 ③ "Optical Path Conditioning: Challenges in Digital Coherent Age"
   Takashi Inoue (Group Leader, Electronics and Photonics Research Institute, AIST)

   15:15-15:30 ④ "Optical Path Processor:
   Technology Development for Practical Silicon Photonic Switches"
   Kazuhiro Ikeda (Group Leader, Electronics and Photonics Research Institute, AIST)

4. **Poster Presentations & Coffee Break**
   15:30-16:30   Group B

5. **Special Presentation Session**
   Chair: Hitoshi Kawashima (Principal Research Manager, Electronics and Photonics Research Institute, AIST)

   16:30-17:00 "Standardization activity and research of radio-over-fiber in NICT"
   Toshiaki Kuri (Research Manager, Network System Research Institute, NICT)

   17:00-17:30 "8K Ultra High Definition (UHD) Imaging for Medical Application"
   Hiromasa Yamashita (Director, Medical Imaging Consortium,
   and Associate professor, University Research Center, Nihon University)

   17:30-17:40 Closing Remarks : Toshihiko Kanayama (Senior Vice-President, AIST)

   18:00-   Reception