



# PHOTONICS CREATING THE FUTURE!

~ HOW COLLABORATION OF JP AND DK PHOTONICS RESEARCHERS IS CONTRIBUTING TO CURRENT AND FUTURE INNOVATION ~

Date: Thursday, 16 November, 2017  
Time: 9:30-16:40  
Venue: Tokyo International Forum, Hall D7  
Objective: Promotion on how Japanese and Danish photonics researchers are contributing to current and future life  
Networking and matchmaking of potential research and business partners  
Content: Presentation on research and its application areas by Danish and Japanese researchers from academia and industries, Q&A, networking reception at Embassy  
Supporter: Yokosuka Research Park (YRP), Photonic Internet Forum (PIF), Institute of Electrical and Electronics Engineers, Japan (IEEE Japan Council), Optoelectronics Industry and Technology Development Association (OITDA), , The Institute of Electronics, Information and Communication Engineers (IEICE) , National Institute of Advanced Industrial Science and Technology (AIST), Japan Electronics and Information Technology Industries Association (JEITA) , Japan Science and Technology Agency (JST), National Institute of Information and Communications Technology (NICT)  
Sponsor: Danish Ministry of Higher Education and Science  
Language: English

## **Program**

- 9:30- Opening remarks: Mr. Freddy Svane (Ambassador, Royal Danish Embassy)
- 9:35- Anniversary speech: Dr. Palle Jeppesen (Emeritus Professor, DTU Fotonik, Technical University of Denmark)  
“The first cable connecting Japan and the world” (TBC)
- 9:55- Plenary speech: Dr. Yasuharu Suematsu (Honorary Professor, Tokyo institute of Technology)  
“Two Waves on Global Cable Networks”

## **Session 1: Recent development on photonics research (Speech 20 min. Q&A 5 min.)**

Chairperson: Dr. Toshio Morioka (Professor, DTU Fotonik, Technical University of Denmark)

- 10:15- Dr. Leif Katsuo Oxenløwe (Professor, DTU Fotonik, Technical University of Denmark)  
“Danish Photonics Research Centres of Excellence SPOC and NATEC (Silicon Photonics for Optical Communications and NANotechnology for Tera-bit Communications) and Award-Winning Danish-Japanese Research Collaboration: Single-chip light source for hundreds of Terabits per second data transmission over multi-core fibre
- 10:40- Dr. Timothy F. Murray (Corporate Vice President, Furukawa Electric Co.,Ltd., CEO & Chairman, OFS Fitel, LLC.)

“High end optical fibers with key attributes for niche applications”

- 11:05- Dr. Hiroaki Harai (Director, Network System Research Institute, National Institute of Information and Communications Technology: NICT)  
“Future Direction of Optical Network Systems”
- 11:30- Dr. Yutaka Miyamoto (Senior Distinguished Researcher, NTT Network Innovation Laboratories)  
“Overview of Horizon 2020 EU-Japan SAFARI (Scalable and Flexible Optical Architecture for Reconfigurable Infrastructure) Project”
- 11:55- Dr. Shu Namiki (Director, Data Photonics Project Unit, National Institute of Advanced Industrial Science and Technology: AIST)  
“Challenges of Dynamic Optical Path Network”
- 12:20- **Lunch**

## Session 2: Expanding applications in future (Speech 20 min. Q&A 5 min.)

Chairperson: Dr. Leif Katsuo Oxenløwe (Prof., DTU Fotonik, Technical University of Denmark)

- 13:30- Dr. Lars-Ulrik Aaen Andersen (Director, DTU Fotonik, Technical University of Denmark)  
“Photonics Research and Innovation at DTU Fotonik” (TBC)
- 13:55- Dr. Kristian Elmholt Stubbjær (Director, DTU Elektro, Technical University of Denmark)  
“Photonics: Enabler of many new services and applications in Electrical Engineering”
- 14:20- Dr. Jan W. Thomsen (Head of Niels Bohr Institute, Copenhagen University)  
“Research at the Niels Bohr Institute”
- 14:45- Dr. Søren Stobbe (Associate Professor, Niels Bohr Institute, Copenhagen University)  
“Single-photon sources for quantum technologies”
- 15:10- Coffee break
- 15:20- Mr. XXX (CTO office, Panasonic Corporation)(TBC)  
“Title TBD”
- 15:45- Dr. Birthe Irene Dinesen (Professor, SMI Department of Health Science and Technology Faculty of Medicine, Aalborg University)  
“Personalized Telehealth in the Future: Examples from Danish Research projects”
- 16:10- Dr. Hidetoshi Katori (Professor, The University of Tokyo)  
Optical Lattice Clocks: Seeking for a New Second
- 16:35- Closing remarks: Mr. Kenichi Imabayashi (Director General, Global Strategy Bureau, Ministry of Internal Affairs and Communications)



EMBASSY OF DENMARK  
JAPAN



PHOTONIC INTERNET  
FORUM



- 17:00 Leave Tokyo International Forum, Move to Embassy
- 18:00- Reception at Royal Danish Embassy residence (Closing at 19:30)

