



PHOTONICS CREATING THE FUTURE!

~How collaboration of Japanese and Danish researcher is contributing to current and future innovation ~

November 16, 2017

1 November, 2017

Invitation to the Photonics seminar “PHOTONICS CREATING THE FUTURE!”

On the occasion of the year celebrating the 150 years anniversary of the diplomatic relations and friendship between Japan and Denmark, the Danish Ministry of Higher Education and Research and the Royal Danish Embassy in Tokyo are pleased to organize this seminar “PHOTONICS CREATING THE FUTURE!” at the Tokyo International Forum in Japan.

“Photonics” has been chosen as a memorial topic because a Danish company, The Great Northern Telegraph Company (大北電信会社) established connections between Japan and the world by laying the first international submarine cable for Japan in 1871. This seminar will cover various photonics technologies contributing to the world; <Session 1> Previous and current research collaboration between Danish and Japanese academia and companies and <Session 2> What would be possible and how will our future life look like if the technologies develop thanks to the research collaboration of Session 1. World class researchers and stakeholders from both countries will give a talk on variety of topics from fundamental research to future applications including tangible examples.

We hope this seminar is inspirational and provides a great match-making environment for talents and key persons from various fields to create new relationship for the start of new projects and accelerate technical development of both countries.

Participation is free of charge, however pre-registration is needed.

You can register from the following link;

[Registration: Denmark-Japan Photonics seminar](#) Deadline: November 8, 2017

We look very much forward to your participation.

Contact: Yumi Murakami (Senior Innovation Officer, Royal Danish Embassy)

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PHOTONICS CREATING THE FUTURE!

~ HOW COLLABORATION OF JAPANESE AND DANISH RESEARCHER IS CONTRIBUTING TO CURRENT AND FUTURE

INNOVATION ~

Date

November 16, 2017

9:30 - 16:45

Venue

[Tokyo International Forum Hall D7](#)

Language

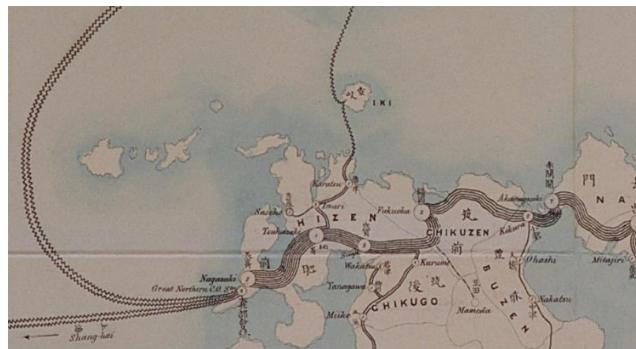
English

Sponsor

Danish Ministry of Higher Education and Science, Royal Danish Embassy

Supporter

National Institute of Advanced Industrial Science and Technology (AIST), Institute of Electrical and Electronics Engineers, Japan (IEEE Japan office), The Institute of Electronics, Information and Communication Engineers (IEICE), Japan Electronics and Information Technology Industries Association (JEITA), The Japan Society of Applied Physics (JSAP), Japan Science and Technology Agency (JST), National Institute of Information and Communications Technology (NICT), Optoelectronics Industry and Technology Development Association (OITDA), Photonic Internet Forum (PIF), Yokosuka Research Park (YRP)



JAPAN
DENMARK
日本・デンマーク 百五十周年
150 YEARS
2017

First submarine cable between Japan and Eurasia continent, Shanghai - Nagasaki, Vladivostok - Nagasaki

Program

*Speaker and Program may subject to change

TIME	TITLE	SPEAKER
09:00	Registration	
09:30	Opening remarks	Mr. Freddy Svane Ambassador, Royal Danish Embassy
09:35	Anniversary speech “The First Submarine Cables Connecting Japan and the World”	Dr. Palle Jeppesen Emeritus Professor, DTU Fotonik Technical University of Denmark (DTU)
9:55	Plenary speech “Two Waves on Global Cable Networks”	Dr. Yasuharu Suematsu Honorary Professor Tokyo Institute of Technology

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	“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”	Dr. Leif Katsuo Oxenløwe Professor, DTU Fotonik Technical University of Denmark (DTU)
10:40	“High end Optical Fibers with Key Attributes for Niche Applications”	Dr. Timothy F. Murray Corporate Vice President, Furukawa Electric Co.,Ltd., CEO & Chairman, OFS Fitel, LLC.
11:05	“Future Direction of Optical Network Systems”	Dr. Hiroaki Harai Director, Network System Research Institute, National Institute of Information and Communications Technology: NICT)
11:30	“Overview of Horizon 2020 EU-Japan SAFARI (Scalable and Flexible Optical Architecture for Reconfigurable Infrastructure) Project”	Dr. Yutaka Miyamoto Senior Distinguished Researcher, NTT Network Innovation Laboratories
11:55	“Challenges of Dynamic Optical Path Network”	Dr. Shu Namiki Director, Data Photonics Project Unit, National Institute of Advanced Industrial Science and Technology: AIST
12:20	Lunch	

SESSION 2 : EXPANDING APPLICATIONS IN FUTURE (SPEECH 20 MIN. Q&A 5 MIN.)

CHAIRPERSON Leif Katsuo Oxenløwe (DTU Fotonik, Technical University of Denmark)

13:30	“Photonics Research and Innovation at DTU Fotonik”	Dr. Lars-Ulrik Aaen Andersen Director, DTU Fotonik, Technical University of Denmark
13:55	“Photonics: Enabler of Many New Services and Application in Electrical Engineering”	Dr. Kristian Elmholt Stubbjær Director, DTU Elektro, Technical University of Denmark
14:20	“Research at the Niels Bohr Institute”	Dr. Jan W.Thomsen Head of Niels Bohr Institute, Copenhagen University
14:45	“Single-Photon Sources for Quantum Technologies”	Dr. Søren Stobbe Associate Professor, Niels Bohr Institute, Copenhagen University
15:10	Break	
15:20	“Panasonic Lighting Solutions”	Mr. Masaaki Isoda Director, Groupwide CTO Office, Panasonic Corporation
15:45	“Personalized Telehealth in the future: Examples from Danish Research Projects”	Dr. Birthe Irene Dinesen Professor, SMI Department of Health Science and Technology Faculty of Medicine, Aalborg University
16:10	“Optical Lattice Clocks: Seeking for a New Second”	Dr. Hidetoshi Katori Professor, The University of Tokyo, Department of Applied Physics, Graduate School of Engineering Chief Scientist, Katori Quantum Metrology Laboratory, Riken
16:35	Closing remarks	Mr. Kenichi Imabayashi Director General, Global Strategy Bureau Ministry of Internal Affairs and Communications

Leave Tokyo International Forum for reception at Royal Danish Embassy

Networking reception

Venue

Royal Danish Embassy Residence

TIME	TITLE	SPEAKER
18:00	Registration	
18:30	Welcome speech	Mr. Freddy Svane Ambassador, Royal Danish Embassy
18:35	Networking	
19:25	Closing speech	Mr. Thomas Højlund Christensen Minister Counsellor(Commercial) Royal Danish Embassy,
19:30	Close	

Sponsor



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and Science

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PHOTONIC INTERNET
FORUM

