

Workshop on ultra-high capacity data transmission -state of the art optical/wireless communication technologies-

Date: December 1st, Tuesday, 2020
17:30-20:00 (JST), 9:30-12:00 (Denmark time)

Online via Zoom

For registration, please fill out the form [click here](#) by November 30.
参加希望者は、11月30日までに[ここへアクセス](#)し参加登録をお願いいたします。

Registration: <https://bit.ly/33n5z2Z>



Registration

To commemorate the 50th anniversary of the Tokai University European Center (TUEC) in Denmark, a workshop is organized in the field of telecommunication technologies with talks by eminent speakers from Tokai Univ. Japan and DTU to explore the future developments of high capacity data transmission and their applications. TUEC was established in Vedbæk Denmark in 1970 to promote academic and cultural exchange between Tokai University, Japan and relevant partner institutions/organizations in Europe. Dr. Shigeyoshi Matsumae (1901-1991), a founder of Tokai Univ. and TUEC is an eminent researcher in long-distance telecommunication systems. In September, 2019 a Memorandum of Understanding and an Exchange Agreement was formalized and signed between DTU and Tokai Univ. Both institutions wish to strengthen their ties and develop collaboration in research and education as well as enable their students to travel abroad and broaden their perspectives in the areas of science and cultural exchange.

【Program】

【Moderator】

JST (Denmark Time)

17:30-17:35 (9:30- 9:35)

17:35-17:55 (9:35- 9:55)

17:55-18:15 (9:55- 10:15)

18:15-18:35 (10:15- 10:35)

18:35-18:45 (10:35- 10:45)

18:45-19:05 (10:45- 11:05)

19:05-19:25 (11:05-11:25)

19:25- 19:45 (11:25-11:45)

19:45-19:55 (11:45-11:55)

19:55-20:00 (11:55-12:00)

Mr. Jakob Skyt Jensen Tokai University European Center

Opening Remark

Tokai Univ. Prof. Satoru Iwamori

Applications of wavelength conversion technologies to optical communications and gas sensing

Tokai Univ. Prof. Masaki Asobe

Silicon Photonics for Optical Communications

DTU Prof. Leif Katsuo Oxenløwe

Digital signal processing for wireless communications and wireless power transmission

Tokai Univ. Prof. Mamiko Inamori

Break

Communication network technologies and applications

DTU Prof. Lars Dittmann

Communication systems based on free-space optical propagation

Tokai Univ. Prof. Yoshihisa Takayama

Recent progress in optical fiber transmission technologies

DTU Prof. Toshio Morioka

Brief review of invention of non-loaded cable long-distance communication systems

Dr. Shigeyoshi Matsumae's achievements in 1932

Tokai Univ. Prof. Shigeru Yamaguchi

Closing Remark

DTU Fotonik Director, Dr. Lars-Ulrik Aaen Andersen