

■ CU-NICT Workshop on Photonic Network Research 2019

On Friday, August 23, at the Chulalongkorn University (CU) in Thailand, a workshop on network field "CU-NICT Workshop on Photonic Network Research 2019" was held.

NICT's Network Systems Research Institute opened a photonic collaboration lab in CU in line with the move of the Asian Collaboration Center in 2015, and has actively promoted joint research with research institutions in Thailand. This time, a workshop was held with the purpose of confirming the progress of research using the Photonic Collaboration Lab, further strengthening collaboration, discussing advanced network research, and introducing new research institutes to collaborate. We discussed the research results and future research plans.

At the opening, Mr. Chotirat Ratanamahatana, Deputy General Manager of CU Engineering Department, Komson Petcharaks, Dean of Electrical Engineering Department of CU and Wada, Director of Network System Research Institute and Kono, Director of Asia Center, gave a speech. In the workshop, the Thai side will study not only CU but also Chiang Mai University and Khon Kaen University, which will be the first time to participate in this workshop, and the Japanese side from Waseda University and NICT. Made a presentation.

This time, in addition to the technology for increasing the capacity of networks, we also presented and discussed optical sensing devices and network technologies for medical and bio applications, which have been attracting worldwide attention in recent years. The workshop was attended by not only university-related personnel such as students and professors of the same university but also Thai-affiliated companies and Japanese-affiliated companies, and the number of participants was 76. In the future, the photonic collaboration lab at NICT Asia Center will be used as an open lab base for collaboration between ASEAN countries and NICT. . .

In addition to Thailand, joint research with other regional research institutes such as Malaysia and Vietnam, standardization activity collaboration, and ASEAN IVO collaboration will be promoted smoothly.

In this way, we will promote stronger research collaboration in Southeast Asia and further strive to expand NICT and Japanese development technology to ASEAN countries.



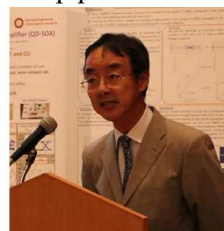
Workshop Group photo



Ratanamahatana
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Wada
Network
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Kono
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Engineering
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CU-NICT Workshop on Photonic Network Research 2019

Organizer •	Department of Electrical Engineering, Faculty of Engineering, Chulalongkorn University (CU),
•	Network System Research Institute, National Institute of Information and Communications Technology (NICT), Japan
Date & Time	August 23 rd , 2019, 12:30 – 17:00 2 nd Floor Auditorium, Engineering Building # 4, Faculty of Engineering, Chulalongkorn University
Admission	Free

Workshop Program

12:30	Workshop registration
13:00	Opening address by Asst. Dean of Faculty of Engineering, Assoc. Prof. Dr. Chotirat Ratanamahatana Director General, Network System Research Institute, Dr. Naoya Wada Director of NICT Asia Center, Mr. Takahiro Kono Head of Electrical Engineering Dept., Asst. Prof. Dr. Komson Petcharaks Group photograph and speakers' appreciation
13:30	<i>"A glimpse in the future of optical fiber transmission"</i> Dr. Werner Klaus, NICT
13:50	<i>"Optical Amplifiers for Access Networks"</i> Assoc. Prof. Dr. Duang-rudee Worasucheep, CU
14:10	<i>"Spatial-Mode Multiplexing/Demultiplexing Technique using Angularly Multiplexed Volume Holograms"</i> Dr. Satoshi Shinada, NICT
14:30	<i>"Progress in point of care biosensing in CMU"</i> Assoc. Prof. Dr. Ukrit Mankong, Chiang Mai University
14:50	Coffee break and Poster Session
15:20	<i>"Si photonic devices and its related technology from communication to biosensing"</i> Dr. Toshimasa Umezawa, NICT
15:40	<i>"Crosstalk Analysis in Silicon Photonic Waveguides and Numerical Simulation"</i> Asst. Prof. Dr. Tuptim Angkaew, CU
16:00	<i>"Semiconductor Photonic Devices with High Density Quantum Dot"</i> Dr. Kouichi Akahane, NICT
16:20	<i>"High-speed fixed wireless links under severe weather conditions"</i> Prof. Dr. Tetsuya Kawanishi, Waseda University and NICT
16:40	<i>"Application of nanophotonics and machine learning in biomedical sensors"</i> Dr. Chavis Srichan, Faculty of Engineering, Khon Kaen University
17:00	Closing Remarks