

Brown Bag Seminar

No. 045

Recorded data will be uploaded

Online
(Zoom)

Scan here for Registration

2022
4.13 (wed.) 12:10
12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar
(Presentation)

12:40-12:50

◆ Q&A

https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_nwZcHdk0T_a7_BwWOJHAeA

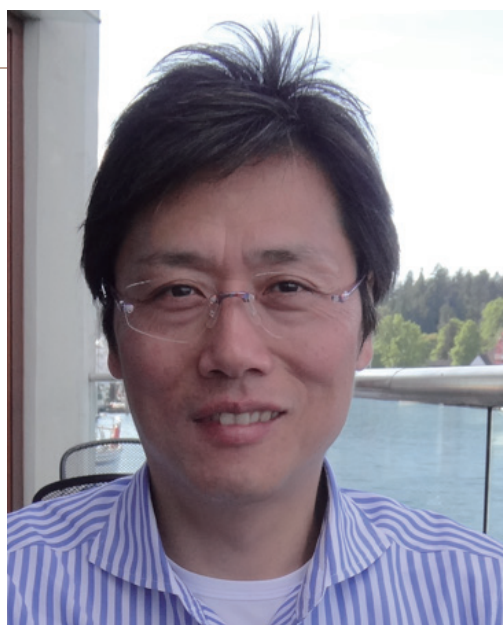
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Organic optoelectronics
for the future

Chair: Prof. Scott Valentine (Research Promotion Director of Q-AOS)

Professor Chihaya ADACHI, PhD

Department of Applied Chemistry, Faculty of Engineering, Kyushu University



Professor Chihaya Adachi obtained his doctorate in Materials Science and Technology in 1991 from Kyushu University and held positions as at the Chemical Products R&D Center at Ricoh Co., the Department of Functional Polymer Science at Shinshu University, the Department of Electrical Engineering at Princeton University, and Chitose Institute of Science and Technology before returning to Kyushu University as a professor. He is a distinguished professor at Kyushu University and director of Kyushu University's Center for Organic Photonics and Electronics Research (OPERA). His research combines the areas of chemistry, physics, and electronics to advance the field of organic light-emitting materials and devices from both the materials and device perspectives through the design of new molecules with novel properties, the study of processes occurring in individual materials and complete devices, and the exploration of new device structures.

Plastics (organic compounds) usually exhibit the properties of an insulator that does not conduct electricity. However, by forming an ultra-thin film of 0.1 micrometer, it is possible to pass an electric current, and it has become possible to convert an electric current into light (photons) with a quantum efficiency of almost 100%. Now this is known as organic EL (OLED). This lecture will focus on the development of OLED from the dawn to the present, and the possibilities of organic optoelectronics in the future.

Key Words

"organic optoelectronics"

" OLED"

"organic electroluminescence"