

2026

8.5 (wed.)

12:10
12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar
(Presentation)

12:40-12:50

◆ Q&A

Online
(Zoom)Scan here for
Registration ▶▶https://us02web.zoom.us/webinar/register/WN_BPPrMiq-8TJe3P3lkjpmLpQ

Supported by Kyushu University, Q-AOS

Current and Future Trends in Wireless Communications:

Including International Education and Research Collaboration with Egypt



Key Words

Wireless Communications

Wireless Sensing

International Education and Research Collaboration

Professor **Osamu MUTA**

Department of Advanced Information Technology Faculty of Information Science and Electrical Engineering, Kyushu University

I am from Sasebo, Nagasaki, Japan. I received the Ph.D. degree from the Graduate School of Information Science and Electrical Engineering, Kyushu University, in 2001. After serving as a Research Associate and an Assistant Professor at the Faculty of Information Science and Electrical Engineering, Kyushu University, I joined the Center for Japan-Egypt Cooperation in Science and Technology, Kyushu University, as an Associate Professor in 2010. Since December 2023, I have been a Professor at the Faculty of Information Science and Electrical Engineering, Kyushu University. My research interests include wireless communications and their applications, with recent work focusing on wireless sensing. I have also been engaged in international education and research collaboration with Egypt, and since 2025, I have served as the Director of the Center for Japan-Egypt Cooperation in Science and Technology, Kyushu University.

Wireless communication is a fundamental technology that supports our daily lives through applications such as smartphones and Wi-Fi. In recent years, however, its role has expanded beyond information transmission to new applications such as wireless sensing, which uses radio waves to detect and recognize people, objects, and their activities. This talk will introduce the basic principles of wireless communications and recent research activities, including wireless sensing. It will also introduce international education and research collaboration with Egypt, mainly through the activities of the Center for Japan-Egypt Cooperation in Science and Technology (E-JUST Center), Kyushu University.