

2023

9.13 (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
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Let's learn computers!

~From principles to cutting-edge researches~

Chair: Assoc. Prof. Toshinori TANAKA (Research Promotion Coordinator of Q-AOS)

**Key Words**

Computer Architecture

Digital Society

Semiconductor Devices

Hardware and Software

IoT/DX

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Koji Inoue received the B.E. and M.E. degrees in computer science from Kyushu Institute of Technology, Japan in 1994 and 1996, respectively. He received a Ph.D. degree in the Department of Computer Science and Communication Engineering, Graduate School of Information Science and Electrical Engineering, Kyushu University, Japan in 2001. In 1999, he joined Halo LSI Design& Technology, Inc., NY, as a circuit designer. He is currently a professor of the Department of Advanced Information Technology, Kyushu University. His research interests include power-aware computing, high-performance computing, secure computer systems, 3D microprocessor architectures, multi/many-core architectures, nano-photonic computing, superconducting computing, and quantum computing.

Do you know that our daily lives stand on computers? From the moment we wake up in the morning until we go to bed at night (and even while we sleep), we use a variety of computers. We can consider many questions. What is a computer fundamentally? What kind of computers exist? How do computers support today's digital society? What problems stand in the way of modern computers? What kind of research is being conducted today to realize next-generation computers? In this talk, we will answer these questions using examples of world-leading research conducted by the Cyber-Physical Computing Laboratory at Kyushu University!