

Title:

Digitalizing Human Context for Society5.0

Abstract:

In Society5.0, things and environments like vehicles, houses, buildings, and even cities will be digitalized and used to simulate, test, and predict real-world events efficiently and in real time. However, since the applications and services are expected to be human-centered in Society 5.0, how humans are involved in the virtual world with their contexts and knowledge is a primary research challenge for making human-centric applications into reality. In this talk, I will discuss recent development in human-centered Society 5.0 services, technologies, and applications. Through the introduction of my several ongoing projects closely related to Society 5.0 applications, state-of-the-art technologies on modeling, simulation, and analysis of human behavior, context, and knowledge will be addressed and demonstrated.

Bio:

Hirozumi Yamaguchi received the B.E., M.E., and Ph.D. degrees in information and computer science from Osaka University, Osaka, Japan, in 1994, 1996 and 1998, respectively. He is currently a full professor at Osaka University and leading the Mobile Computing Laboratory. His research interests lie in mobile and pervasive computing and communication networks. He has served on Elsevier/Springer journal editorial boards as an editor and on the organizing committees of ICDCN2021 and EAI Mobiquitous2021 as a general co-chair. He was awarded the Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology in 2018. He is a member of IEEE and ACM, and an EAI Fellow.