Relationship between academic research and standardization

Tatsuya Yokotani, Kanazawa Institute of Technology, Japan

It has been heard from academic researchers, particularly young researchers, that the standardization has yet to contribute research outputs. However, the discussion in standards developing organizations (SDOs) often gives research subjects and directions of research. Recently, in the ICT fields, the role of standardization has changed. Back in the day, it was primary purposes that standards gave interface specifications and specifications to enhance the efficiency of productions. However, some standards can provide requirements, architecture and terminology for future systems. This talk indicates the recent relationship between standardization and academic research through speaker's experiences in ICT fields. This take includes the following parts; overview of essential information in international scandalizations, illustration of standardization contributing research, and introduction of helpful information issued by SDOs for research.

Short Biography

Tetsuya Yokotani received B.S., M.S, and Ph.D. degrees on information science from the Tokyo University of Science in 198 5, 1987, and 1997, respectively. He joined the Mitsubishi Electric Corporation in 1987. Since then, he has researched high-speed data communication, optical access systems, home network and performance evaluation technologies of networks mainly in the Information Technology R&D Center. In 2015, he moved to the Kanazawa Institute of Technology as a professor of College of engineering. Since then, he has engaged research and education on networks for various IoT services and has proposed standardization in these related areas. Currently, he is an advisory board chair in the technical committee on CQR in IEEE ComSoc. Before this position, he has experienced a chair in the technical committees on CQR in IEEE ComSoc, and a chair of technical committee on the communication system in IEICE. Currently, he is a distinguished lecture in IEICE. He is a fellow member of IEICE. He is also a member of IEEE ComSoc and IPSJ. He has also participated in the standardization activities on ITU-T SG15, SG20, some Focus Group, and ISO/IEC JTC1, and then obtained several awards on these activities.