

ICSMARTGRID 2019

SHINZO TAMAI



SHINZO TAMAI (M'96-SM'18) is currently the Senior Fellow in the Power Electronics Systems Division at Toshiba Mitsubishi-Electric Industrial Systems Corporation (TMEIC), where he has held several leadership positions in power electronics projects.

Shinzo received his bachelor's and master's degrees from Tokyo Institute of Technology in 1981 and 1983. He then joined Mitsubishi-Electric Corporation, conducting research and development in vector control and field-oriented control of adjustable-speed AC motor drives, large-capacity three-level converters, and reactive power compensators (STATCOMs), UPSs, HVDCs. In 2003, he joined TMEIC, the joint venture in industrial system of two major Japanese companies (Toshiba and Mitsubishi-Electric). He received a doctorate from Tokyo Institute of Technology in 2004.

Since 2001, he has been a member of board of the Industry Applications Society (IAS) of the Institute of Electrical Engineers of Japan (IEE-Japan). He served as the president of the IAS of IEE-Japan from 2010 to 2012. He is a founding member of the Power Electronics Society (PELS) Asian Power Electronics Coordination Committee (APECC) and the Energy Conversion Congress and Exposition (ECCE) Asia Coordinating Committee. He is currently chair of the ECCE Asia Coordinating Committee. He was the vice chair of the steering committee of IEPC-Niigata 2018 within ECCE-Asia. He is an IEEE fellow.

Statement: I am a leader in the field of large-capacity power electronics at Toshiba Mitsubishi-Electric Industrial Systems Corporation (TMEIC), and I manage the international work of the Industry Applications Society (IAS) of the Institute of Electrical Engineers of Japan (IEE-Japan) as a board member.

I strive to concentrate on strengthening, through the IEEE Power Electronics Society (PELS), technical links within Asia and the Pacific. Power electronics technology has the potential to greatly expand. Moreover, I have been working to increase networking among academics, industrial scientists, and engineers in Asia and the Pacific and to mitigate geographical barriers within this area through the active use of the internet.

I also strive to focus on establishing new worldwide links between industry and academia. The challenge of connecting new academic ideas to industrial products should be met with more border-free activities between young professionals from academia, research engineers, and practical engineers in industry.

These are challenging tasks that require cooperation among volunteers and IEEE staff. My work in industry has given me significant accumulated experience and achievements in research and management of implementing my technical and strategic vision, along with my experience as the president of IAS/IEEE-Japan, in which role I participated in the foundation of the Asian Power Electronics Coordination Committee (APECC) and the Energy Conversion Congress and Exposition (ECCE) Asia Coordinating Committee.

General Chairman, ICRERA_2018
<https://icrera.org/archieve2018/>

Member of European Power Electronic and Applications Association (EPE). Member of French Electrical Engineering Association (CLUB EEA). Member of IEEE society.