

## **Brief academic biographical sketch of professor Feng Xiao**

Dr. Xiao got his Ph.D degree from Tokyo Institute of Technology (Tokyo Tech) in 1996. After three years in RIKEN as a special post-doctorate researcher, he joined Tokyo Tech as an associate professor in 1999 at the department of energy sciences, and he is now a full professor in the department of mechanical engineering. He serves the chair of climate change division of the inter-departmental organization for environment and energy in Tokyo Tech since 2009.

Dr. Xiao has been recently engaged in researches in computational fluid dynamics (CFD), geophysical fluid dynamic modeling, computational physics, as well as CFD applications in engineering, he has authored or co-authored over 100 papers in academic journals and over 200 presentations in international and Japanese conference and symposia. He has given over 50 invited talks in international research institutes and universities.

He is a fellow of Japan Society of Mechanical Engineers (JSME), and a recipient of Award for Computational Mechanics from Japan Association for Computational Mechanics (JACM) in 2013; Computational Mechanics Achievements Award from Japan Society of Mechanical Engineers (JSME) in 2011; Fellow award from Japan Association for Computational Mechanics (JACM) in 2009. He was honored as a visiting fellow of Isaac Newton Institute for Mathematical Sciences (Cambridge) in 2012.

Dr. Xiao is currently serving the executive editor of Journal of Computation Physics (JCP), the managing editor of International Journal of Computational Methods (IJCM), the general council member of International Association for Computational Mechanics (IACM), and the organization committee board of international conferences, including SIAM-CSE, WCCM, APCOM, FCPC, among many others.