

Short CV – Hisashi Ninokata



prof. Ninokata (left) is awarded ANS Fellow (2009)

BA, pure and applied sciences, University of Tokyo; MS and PhD, nuclear engineering, University of Tokyo.

Dr. Ninokata has been a professor in the Research Laboratory for Nuclear Reactors at Tokyo Institute of Technology (TITech) from 1993 to 2012. Before joining TITech, he worked on boiling water reactor (BWR) core management at the Fukushima Daiichi nuclear power station from 1977 to 1978 and on fast breeder reactor (FBR) plant design at the Tokyo Electric Power Company from 1978 to 1980. Then, from 1980 to 1993, he worked on sodium thermohydraulics and FBR safety at the Oarai Engineering Center, PNC, Japan. He held visiting positions at Argonne National Laboratory from 1982 to 1983 and at Los Alamos National Laboratory from 1986 to 1987, both in the field of numerical fluid dynamics. He serves the Japanese government including the Ministry of Economy, Trade and Industry; Ministry of Education, Culture, Sports, Science and Technology; and Fire and Disaster Management Agency, as advisor on nuclear reactor safety.

Dr. Ninokata's current research interests include fuel rod bundle thermohydraulics, in particular, BWR subchannel analysis, sodium boiling, and natural convection decay heat removals for fast reactors; tight lattice pin bundle fluid flow phenomena, including global flow pulsation and turbulent flow mixing and their physical modeling; nuclear reactor core design and safety; and thermohydraulics of sodium fast reactors with enhanced safety features.

Dr. Ninokata is currently an associate member of the Science Council of Japan. He is a member of the American Nuclear Society (ANS), Atomic Energy Society of Japan (AESJ), International Association for Hydro-Environment Engineering and Research (IAHR), and Japan Society of Mechanical Engineers. He has served ANS as a member of the Board of Directors from 2006 to 2009 and as chair of the ANS Thermal Hydraulics Division (THD) from 2010 to 2011. Also, he is a former member of the ANS Honors and Award Committee and is currently a member of the ANS International Committee. He is former chairman of the ANS Japan Section.

Dr. Ninokata is an ANS Fellow. He is the recipient of the 1997 IAHR Harold Jan Schoemaker Award, the 2005 and 2010 ANS THD Best Paper Awards, the 2006 AESJ CSED Technical Achievement Award, and the 2011 AESJ THD Technical Achievement Award.