



Vinh N. Dang

PSAM12 Speaker Bio

Modeling Operator Actions in Integrated Deterministic-Probabilistic Safety Assessment

Short Statement: Co-author

BIOGRAPHY

Dr. Vinh N. Dang leads the Risk and Human Reliability Group at the Paul Scherrer Institute (PSI) in Switzerland. His main research interests are Human Reliability Analysis (HRA) and dynamic, simulation-based Probabilistic Risk Assessment (PRA). PSI's HRA research program, funded by the Swiss regulatory research program, addresses HRA data collection, and HRA in seismic scenarios, and Errors of Commission. He contributed to the recent International and U.S. HRA Empirical Studies. In addition to research, the group carries out regulatory support tasks for the Swiss Federal Nuclear Safety Inspectorate, contributing to the review of the PSAs of the Swiss licensees. Outside the nuclear domain, the group is adapting PSA methods for the risk assessment of Proton Therapy facilities.



Dr. Dang is a member of the Nuclear Energy Agency CSNI Working Group on Risk Assessment (WGRisk) as well as the Swiss delegated representative for the OECD Halden Project (Man-Technology-Organization topics). He has contributed to the Technical Program Committees for many PSA-related conferences, in particular for the Probabilistic Safety Assessment and Management (PSAM) conferences, serving as Scientific Secretary for PSAM7/ESREL'04, Berlin, June 2004), and currently as a Board Member for the International Association for Probabilistic Safety Assessment and Management. He holds a B.S. from the University of California, Berkeley, and M.S. and Ph.D. degrees from the Massachusetts Institute of Technology (MIT), all in Nuclear Engineering.