



WEB SEMINAR ENERGY

JACOPO BUONGIORNO

Professor of Nuclear Science and Engineering, Massachusetts Institute of Technology

Jacopo Buongiorno is associate Professor of Nuclear Science and Engineering at the Massachusetts Institute of Technology (MIT), where he teaches undergraduate and graduate courses in thermo-fluids engineering and nuclear reactor engineering.

His areas of technical expertise and research interest are reactor design, nanofluid technology, fluid dynamics and two-phase flow and heat transfer in advanced nuclear systems. For his work in these areas and his teaching at MIT Buongiorno won several awards, including, recently, the MacVicar Faculty Award (MIT, 2014), and Landis Young Member Engineering Achievement Award (American Nuclear Society, 2011). Professor Buongiorno is a member of the American Nuclear Society (ANS) and the American Society of Mechanical Engineers (ASME); Co-Director of the Reactor Technology Course for Nuclear Utility Executives and a consultant for the nuclear industry (AREVA, DCNS, B&W, Westinghouse, and South Texas Project) in the area of reactor thermal hydraulics. He served on the ANS Special Committee on Fukushima, and currently is on the accrediting board of INPO's National Academy of Nuclear Training (NANT). From 2000 to 2004 he worked as a research scientist at the Idaho National Laboratory (INL), where he led the DOE's Generation-IV program for the development of the supercritical water cooled reactor in the United States. He earned his PhD in 2000 from MIT and holds a BS from Polytechnic of Milan, all in Nuclear engineering.