


Personal Profile (Lecturer)

Lecture ID : 2-4
Lecture Title : Light water reactor development and severe accident research in China

1. Name (First/middle/Family)	Xu CHENG	
2. Current position/Affiliation	School of Nuclear Science and Engineering Shanghai Jiao Tong University	
3. Highest Education (Name of Institution/ Major field of study/ Degree and Date received)	Technical University Braunschweig, Germany Ph.D. in 1991, Nuclear Engineering	
4. Work History (Employer / Work period)	<ul style="list-style-type: none"> • Technical University Braunschweig (Germany) / 1987-1991 • Research Center Karlsruhe (Germany) / 1991-2005 • Argonne National Laboratory (USA) / 2001-2002 • Shanghai Jiao Tong University (China) / 2005-present 	
5. Professional Experience (Major experience relevant to the “Lecture” and period)	<ul style="list-style-type: none"> • Thermal-hydraulics and safety of high conversion PWR (1987 – 1991) • System dynamics and flow stability of supercritical helium cooled superconducting magnets (1991 – 1993) • Passive containment cooling systems of advanced PWR (1993 – 2000) • Thermal-hydraulics and safety of accelerator-driven sub-critical systems (1997 – 2005) • Research and development of Gen-IV light water reactors (SCWR) (2000 – present) • Safety and severe accident of Chinese advanced PWR (2007 – present) 	
	<ul style="list-style-type: none"> • Organizer and lecturer of the SJTU-KAIST-NTH Summer School on Nuclear Engineering (since 2007) • Lecturer at IP-EUROTRANS Internal Training Course, “Thermal-hydraulic Simulation for Liquid Metal Cooled Reactors”, November 26-29, 2007, Pisa, Italy 	
	<ul style="list-style-type: none"> • Organizer of the International Workshop on Passive Safety System in Advanced PWR (IPASS08), 25-28, April 2008, Shanghai, China • Organizer of the International Workshop on Thermal-Hydraulics of Innovative Reactor Systems (THIRS), 14-16, April 2008, Karlsruhe, Germany 	