


Personal Profile (Lecturer)

Lecture ID : ___ 4-8

Lecture Title : _____
 ___ Fuel Behavior during Design-Basis Accidents in LWRs _____

1. Name (First/middle/Family)	Toyoshi / - / Fuketa	
2. Current position/Affiliation	Unit Manager, Reactor Safety Research Unit, Nuclear Safety Research Center, Japan Atomic Energy Agency	
3. Highest Education (Name of Institution/ Major field of study/ Degree and Date received)	Tokyo Institute of Technology (Japan) / Mechanical Engineering Science / Ph.D. in 1987	
4. Work History (Employer / Work period)	<ul style="list-style-type: none"> · Japan Atomic Energy Research Institute (JAERI) / 1987-2005 · Japan Atomic Energy Agency (JAEA) / 2005-present 	
5. Professional Experience (Major experience relevant to the “Lecture” and period)	<ul style="list-style-type: none"> · Studies on destructive forces generation during fuel/coolant interactions hydrogen generation during cladding/coolant interactions under reactivity-initiated accident (RIA) conditions (1987-1996 at JAERI) · Study on triggering of steam explosions of single drops of pure and alloyed molten aluminum (1988-1990 at Sandia National Laboratories, Albuquerque, NM, U.S.A.) · Studies on failure mode and consequences of high burnup LWR fuels during RIAs (1990-2000 at JAERI) <hr/> <ul style="list-style-type: none"> · Managing fuel safety research at JAERI, including studies on fuel behavior during RIAs, loss-of-coolant accidents (LOCAs) and severe accidents (2003-2005) · Managing reactor safety research at JAEA, regarding thermal hydraulics, aging, and fuel safety (2005-present at IAEA) <hr/> <ul style="list-style-type: none"> · Member, Committee on the Safety of Nuclear Installations (CSNI), Nuclear Energy Agency (NEA), Organization for Economic Co-operation and Development (OECD) (2006-present) · Chairman, Working Group on Fuel Safety (WGFS), CSNI/NEA/OECD, (2007-present) <hr/> <ul style="list-style-type: none"> · Member, Committee on Examination of Reactor Safety, the Nuclear Safety Commission of Japan (2004 – present) · Member, Special Committee on Nuclear Safety Research, the Nuclear Safety Commission of Japan (2006-present) 	