Personal Profile (Lecturer)

Lecture ID： 4-7

Lecture Title： Analysis and evaluation on high burn-up fuel behavior by FEMAXI code

1. Name (First/middle/Family)	**Motoe Suzuki** 鈴木元衛	
2. Current position/Affiliation	Principal Research Engineer of Fuel Safety Research Group/ Nuclear Safety Research Center/ Japan Atomic Energy Agency.	
3. Highest Education	Univ. of Tokyo/ Metallurgy/ M.Sc. in 1975.	
4. Work History	·Japan Atomic Energy Research Institute (Tokai) / 1975-2005. ·Japan Atomic Energy Agency (Tokai)/ 2005-2009.	
5. Professional Experience (Major experience relevant to the "Lecture" and period)	·Engaged in the experiment of oxidation of Zircaloy cladding in hypothetical Loss-of-Coolant Accident of PWR (1975-1980). ·Developed the PRECIP-II code for the prediction and analysis of cladding oxidation in LOCA conditions (1975-1980).	
	·Engaged in the experiment of deformation and rupture behavior of Zircaloy cladding in hypothetical Loss-of-Coolant Accident of PWR (1975-1980).	
	·Engaged in the numerical analysis of the PHEBUS (LOCA) experiment 215R conducted in IRSN, Cadarache, France (1984).	
	·Engaged in the development of FEMAXI and RANNS codes for the analysis of LWR fuel behavior in both normal operating and accident conditions (1990-2009). ·Release of FEMAXI-IV(1996). ·Release of FEMAXI-V (2001). ·Release of FEMAXI-6 (2003). ·Developed the RANNS code for fuel behavior analysis in Reactivity-Initiated Accident (RIA) conditions(2003). ·Developing FEMAXI-7 and RANNS.	