

# Fuel Safety Research Meeting 2007 Program

**Wednesday, May 16**

**Opening Session (9:30 - 10:20)**

Opening address	M. Nomura	JAEA
Status of fuel safety research at JAEA	T. Fuketa	JAEA

**Session 1 Fuel Behavior under RIA Condition (10:20 - 17:30)**

USNRC's view on RIA criteria	J. Voglewede	USNRC
US industries' view on RIA criteria	R. Montgomery	ANATECH
French industries' view on RIA and LOCA criteria	N. Weackel	EDF

Lunch (12:00 - 13:10)

Thermal stress analysis of pulse-irradiated high burnup fuel pellet	M. Suzuki	JAEA
Identified radial region of fission gas release from high burnup LWR fuels during RIA conditions	H. Sasajima	JAEA
PCMI failure of high burnup fuels under RIA conditions	T. Sugiyama	JAEA
MOX fuel behavior during RIA	M. Umeda	JAEA

Coffee break (15:25 - 15:45)

Stress intensity factor at the tip of cladding incipient crack under RIA conditions	Y. Udagawa	JAEA
Analysis of CIP0-1 and VA-2 tests	V. Georgenthum	IRSN
High burnup fuel behavior in NSRR high temperature test	T. Sugiyama	JAEA

Adjourn (17:30)

**Thursday, May 17**

**Session 2 Fuel Behavior under LOCA Condition (9:30 - 13:40)**

Behavior of high burnup fuel cladding under simulated-LOCA conditions	F. Nagase	JAEA
High temperature oxidation behavior of high burnup fuel cladding	T. Chuto	JAEA
Overview of recent and planned Halden Reactor Project LOCA experiments	W. Wiesenack	Halden Project
Proposed USNRC-RES embrittlement criteria for Loss-of-Coolant Accidents (10 CFR 50.46)	M. Billone	ANL

Lunch (11:45 - 13:10)

Technical Basis for Revision of USNRC's LOCA embrittlement criteria	M. Billone	ANL
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**Session 3 Extended session (13:40 - 16:30)**

Improvement of high burnup fuel analysis code FEMAXI	M. Suzuki	JAEA
Crystal lattice strain changes in irradiated fuel	J. Nakamura	JAEA

Coffee break (14:40 - 15:10)

Irradiation test plan at JMTR	T. Nakamura	JAEA
Development of JMTR irradiation facilities	J. Ohgisanagi	JAEA
Results from VEGA program on radionuclide release from fuel under severe accident condition	T. Kudo	JAEA

**Closing Session (16:30 - 16:45)**

Meeting summary	T. Fuketa	JAEA
Closing remarks	K. Ishijima	JAEA

Adjourn (16:45)