



International Atomic Energy Agency
 WAGRAMER STRASSE 5, A-1400 VIENNA, AUSTRIA

ICSP PARTICIPATION FORM
TM-44734

1. NAME AND ADDRESS OF PARTICIPATING INSTITUTE:	CONTACT DETAILS (CHIEF PARTICIPANT): Telephone: Fax: E-mail:
2. DEPARTMENT WHERE WORK IS TO BE PERFORMED:	

3. TITLE OF IAEA ICSP PROPOSAL:

Prediction of Hydro-Mechanical Behavior in Reactor Core with a Plate-type Fuel Assembly

4. DESCRIPTION OF PARTICIPATION OBJECTIVES AND ANTICIPATED OUTCOMES:

Evaluate the capability of computer codes to adequately predict the hydro-mechanical behavior and failure of fuel plate in reactor core, which are represented in experiments.

Identify the flow conditions which induce the onset of elastic plate deformation for an aluminum clad uranium-molybdenum fueled alloy.

Identify the flow conditions which produce plate failure of each fuel plate material.

5. PERSONNEL (if space provided below is insufficient, please attach additional sheets):

A. Chief Participant:

First Name	Family Name	Date of birth	Nationality	Position held	Mr/Ms
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Academic degrees held:

B. Additional Staff:

First Name	Family Name	Date of birth	Nationality	Position held	Mr/Ms
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6. WORK PLAN:

Year 1:

- Preparation of analysis tool (Computer Codes)
- Preparation of input deck
- Blind calculation

Year 2:

- Blind calculation
- Open calculation

Year 3:

- Open calculation
- Documentation

List of Computer Code(s) to be used:

7. SIGNATURES:

CHIEF PARTICIPANT:

Name:

.....
Signature

.....
Date

APPROVAL BY RESPONSIBLE:

Name:

.....
Signature

.....
Date

PLEASE NOTE: 1) There is no financial support from the IAEA, 2) ICSP Participation Form will not be accepted until signed copies are received by the IAEA.

Submit proposal to responsible IAEA staff **before 20 June 2013**

Name: Jong Ho CHOI

E-mail: J.H.Choi@iaea.org

Telephone: +43 1 2600 22825

Fax: +43 1 2600 29598