



ESNII+ project

Combination of CP & CSA

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International Workshop on

Thermophysical Properties of Mixed oxide Fuels for Fast Reactors

Contribution to GENIV international forum: SFR system, LFR system, GFR system

December 17-18, 2015

Aix – en – Provence (France), Hotel Aquabella <http://www.aquabella.fr/default-en.html>

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Goal

The workshop will cover all the oxide fuel properties involved in designing and licensing process of Generation IV (GenIV) demonstrators and will provide a platform for discussions and exchange ideas between students, young professionals and experts on mixed oxide fuel (U, Pu)O₂ in fast reactor conditions.

General context

GenIV demonstrators are an important cornerstone on the way to commercial stage for GenIV reactors. Implementation of demonstrator projects involves fuel design, fuel modelling and fuel licensing, each of these brings the basic physical properties required to evaluate its behavior under irradiation.

This set of data requires specific investigations related to:

- fast reactor prototypes operating conditions and expected use of its fuel
- the fuel performance codes and levels of modelling
- the existing data for each property
- the work plan to complete this data through experimental programmes.

To whom it's addressed

The training is addressed to specialists who are or will be involved into the following related activities for GenIV reactors:

- Fuel fabrication, characterisations or properties measurement
- Fuel modelling and design

The workshop is addressed especially to students, young professionals and to any project participants who are interested in mixed oxide fuel for fast reactors. Participants from regulatory authorities, as well as from their scientific and technical support organisations, research institutes and consulting companies are welcome.

Fluent English is required.

Program

The following specific topics will be addressed:

- Behaviour of oxide fuel under normal or accidental conditions
- Characterisations, properties measurements and laws establishment in the different countries involved in GENIV fast reactors.

Venue

Aix en Provence, conference meeting room at the hotel AQUABELLA.

Fees

The training is free of charge for all participants (except accomodation).

Contact information and registration

To apply for participation, please contact us before the **18th November 2015** and we will send you the registration form.

Contact: regine.bousquet@cea.fr

Accommodation

Recommended hotels for the summer school:

AQUABELLA HOTEL (same place than the meeting room, about 140 €per night)

For other options, please check Trip Advisor

Organisation

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