

IP-EUROTRANS Internal Training Course ITC3:

“ADS thermal-hydraulics: system codes and CFD codes, models and experimental validation ”

Date: 21st -24th March 2007

Organizer: Professor Hervé Jeanmart

Place: Department of Mechanical Engineering
Division Thermodynamics
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Preliminary programme:

- Day 1: Wednesday 21st March

09:00 Welcome (H. Jeanmart, UCL and M. Giot, ENEN)
09:20 Numerical modelling of multiphase Flows (M. Wörner, FZK)
10:40 Coffee break
11:00 Numerical modeling of multiphase Flows (M. Wörner, FZK)
12:30 Lunch
14:00 Advanced modelling of turbulence (Large Eddy Simulation)
(G. Winckelmans, UCL)
15:30 Coffee break
16:00 Advanced modelling of turbulence (Large Eddy Simulation)
(G. Winckelmans, UCL)
17:30 Welcome reception

- Day 2: Thursday 22nd March

09:00 CFD of complex free surfaces flows (D. Lakehal, ETH Z)
10:30 Coffee break
11:00 CFD of complex free surfaces flows (D. Lakehal, ETH Z)
12:30 Lunch
14:00 Critical look at commercial CFD codes and models (F. Roelofs, NRG)
15:30 Coffee break
16:00 Critical look at commercial CFD codes and models (F. Roelofs, NRG)

- Day 3: Friday 23th March

09:00 Student presentation 1
09:35 Student presentation 2
10:10 Student presentation 3
10:45 Coffee break
11:00 Student presentation 4
11:35 Student presentation 5
12:10 Student presentation 6
12:45 Lunch
14:00 Student presentation 7
14:35 Student presentation 8
15:10 Student presentation 9
15:45 Coffee break
16:00 Student presentation 10
16:35 Student presentation 11
17:10 Student presentation 12
19.30 Workshop Dinner

- Day 4: Saturday 24th March

09:00 General discussion: Panel discussion with participation of the experts
10:00 Course evaluation by students
10:30 Coffee break
11:00 Examination or report by students
12:30 Adjourn

Who should attend?

This course, the third of a series of ten courses organised over a period of 4 years, is primarily designed for PhD students and Postdocs involved in the IP EUROTRANS, and accessible as well to those involved in the projects EUROPART and RED-IMPACT. The number of participants is limited to about 20 participants.

An active participation of the PhD students and Postdocs is required. Therefore, when applying, the participants should submit a short abstract (15 to 20 lines) of a presentation related to their work (at this stage: a progress report). A small grant, distributed by the organizer, will help the students whose presentation has been selected by the organizer, to finance their accommodation expenditures.

How to apply?

Please fill in the attached application form and send it electronically to:

Mrs. Nadia NOWACKI
Seminar Organizer
The European Nuclear Education Network Association (ENEN)
Commissariat à l'Energie Atomique / Saclay
INSTN/UEIN - Bld 395
F-91191 GIF-SUR-YVETTE Cedex
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Tel. + 33 1 69083092, Fax. + 33 1 69087782

sec.enen@cea.fr
www.enen-assoc.org

Deadline for application:

Application should be mailed before the 16th February 2007.

Applicants will be informed of their acceptance at the beginning of week 9 the latest.

APPLICATION FORM

Name:

First Name:

Date and place of birth:

Institution:

Present status (PhD student, assistant...)

Link with IP-EUROTRANS, or another project:

Address for further contacts:

Arrival and departure dates:

Title of proposed presentation:

Annex: abstract of the proposed presentation