

# EUR COURSE

2010

## EUR COURSE 2010 in Řež near Prague, Czech Republic, 13-16 September

*3<sup>rd</sup> Announcement as of 18 June 2010*

### OUTLINE

Nuclear energy is one of the means the European utilities must consider to meet future electricity needs. The major European electricity generation companies which form the EUR (European Utility Requirements) organisation, together with the European Nuclear Education Network Association, propose a three-and-half-day course aimed at post-graduate students in nuclear engineering and young professionals.

The objective of the course is to provide:

- 1) Detailed view of the key requirements developed in EUR
- 2) Information about the comparison works with the other design specifications
- 3) Hints about the background situation in Europe

This course is open to anybody who has a minimum scientific background. It is intended to provide first hand information to young professionals and post-graduate students who are considering a career in NPP R&D, engineering or operation or to young engineers that have already started a career. This will also be a good opportunity to develop contacts between the participants.

The lecturers are experienced engineers or managers from major European utilities involved in nuclear generation or support activities.

### CO-ORGANISERS

EUR Organisation (<http://www.europeanutilityrequirements.org>)

European Nuclear Education Network Association (<http://www.enen-assoc.org>)

In cooperation with:

Technology Platform “Sustainable Energy for the Czech Republic” (<http://www.tpue.cz>)

Nuclear Research Institute Rez plc (<http://www.nri.cz/cz/>)

Czech Technical University in Prague (<http://www.cvut.cz/en/>)



## PROGRAMME

<b>Day 1 Monday 13 September</b>	<b>Day 2 Tuesday 14 September</b>	<b>Day 3 Wednesday 15 September</b>	<b>Day 4 Thursday 16 September</b>
Registration		Design process (30 min)	Comparison EUR – URD (1 h)
Introduction to EUR document (1 h 30 mn)	General safety approach 1 (1 h 15 min)	Mechanical systems & components (1 h)	Comparison EUR - WENRA (1 h)
Projects developed for Europe (45 min)	General safety approach 2 (1 h 15 min)	Grid requirements & electrical systems (1 h)	Discussion and summary (1 h)
Standardisation and harmonisation (45 min)	Containment & severe accident 1 (1 h)	I&C and man-machine interface 1 (45 min)	
Design basis 1 (1 h)	Containment & severe accident 2 (1 h)	I&C and man-machine interface 2 (45 min)	
Design basis 2 (1 h)	Plant performance & operation (1 h)	Core & fuel design (1 h)	

## SPEAKERS

Introduction to EUR document	Pierre Berbey	EDF
Projects being developed for Europe	Martin Uhlir	CEZ
Standardisation and harmonisation	Magnus Mori	E.ON
Design basis	Valérie Bellens	Tractebel
General safety approach	Christian Clement	EDF
Containment & severe accident	Michel Vidard	EDF
Plant performance & operation	Danilo Dimitri	ENEL
Design process	Juha Poikolainen	TVO
Mechanical systems & components	Tomas Hernell	Vattenfall
Grid requirements & electrical systems	Jan Zatloukal	CEZ
I&C and man-machine interface	Thomas Walter	E.ON
Core & fuel design	Roger Lundmark	swissnuclear
Comparison EUR - URD	Pierre Berbey	EDF
Comparison EUR - WENRA	Pierre Berbey	EDF

## PRACTICAL INFORMATION

- Date: 13-16<sup>th</sup> September 2010  
All participants are requested to register themselves at the course venue on 13 September 2010 at 8h30.
- Venue: Conference Centre of Nuclear Research Institute Řež plc (Ústav jaderného výzkumu Řež a.s.)  
Address: Husinec-Řež 130, 250 68 Řež  
Email: [sekretariat@tpue.cz](mailto:sekretariat@tpue.cz)
- Course fee: 500 Euro  
250 Euro for students  
The fee covers lectures, course materials, lunches, coffee breaks, accommodation (from Sunday 12<sup>th</sup> till Thursday 16<sup>th</sup> morning for 4-night) and a social event.
- Accommodation: The below hotels are available for the EUR Course participants.  
Upon receipt of your request the EUR Course organizer will book the room.  
1) Hotel Vltava in Řež  
2) Hotel Sport in Kralupy nad Vltavou
- Social Event: The details to be informed.
- ECTS: Upon request by the participants, 1 ECTS can be provided by the Czech Technical University in Prague
- Visa support: Please contact Ryoko Kusumi, ENEN Association ([ryoko.kusumi@cea.fr](mailto:ryoko.kusumi@cea.fr))
- Language: English

## REGISTRATION

Registration form is available at the ENEN web site (<http://www.enen-assoc.org>) and the EUR web site (<http://www.europeanutilityrequirements.org>)

Please send the following TWO documents to Ryoko Kusumi, ENEN Association ([ryoko.kusumi@cea.fr](mailto:ryoko.kusumi@cea.fr)) by email.

- 1) Registration form (as a Word .doc file)
- 2) Evidence of the payment of the course fee

Deadline: **28 June 2010**  
Please note that the number of places is limited.  
All registrations will be accepted on first-come, first-served basis.

## HOW TO GET THERE

### *By train:*

Take a train from the Masaryk Station towards Kralupy nad Vltavou and get off at the Řež Station.

Timetable: <http://www.cd rail.cz/gvd/k091.pdf>

### *By bus:*

Bus No. 371 will take you from the Kobylisy Subway Station to the terminal station of Řež.

Timetable:

[http://195.88.164.7/DataFTP/JRPortalData/371/20090901c/371\\_\(675\\_12\)Tc.pdf](http://195.88.164.7/DataFTP/JRPortalData/371/20090901c/371_(675_12)Tc.pdf)

### *By car:*

Driving on the D 8 motorway turn to EXIT 1 towards Klíčany (follow the direction signs to the "Hotel Vltava"; after about 1 km turn left towards Klecany and continue along the Storage Facility site; at the intersection with the "STOP" sign go on straight towards Husinec, Řež - about 3 km.

### *Transport from/to the Praha - Ruzyne airport:*

The Praha Ruzyne airport is located northwest of the outskirts of Prague, some 20 kilometers from the city center. The transportation from/to the airport to Prague is provided by (in price order):

### *Taxi:*

The price of a taxi from the airport to Rez: cca 900 CZK (36 Euros) and the duration of the trip is around 1 hour

A taxi company AAA Taxi: <http://www.aaataxi.cz/index.php?xSET=lang&xLANG=2>

### *Buses of the city public transport:*

The line No. 119 from the Dejvická Metro Station (green line – METRO,,A“)

The line No. 100 from the Zlicín Metro Station (yellow line – METRO,,B“)

A special barrierless line AE - Airport Express from the Main Railway Station (operation 5.00 - 22.00, traffic interval 30 minutes)

For more information about the fares, go here: <http://www.dpp.cz/en/> .

For information about departures, look at the timetables:

<http://jizdnirady.idnes.cz/praha/spojeni/> (the button for language change is located in the right down corner of the webpage), where you fill in the gaps with the names of stations mentioned above.

## CONTACT

Ryoko Kusumi

Secretary General

European Nuclear Education Network (ENEN) Association

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Website ENEN Association <http://www.enen-assoc.org>