

# EUR COURSE

2014

## EUR Course 2014

**Paks, Hungary, 04-06 March**

### 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 proposes a three days course aimed at young engineers from EUR member countries.

The objective of the course is to provide:

- 1) General introduction of the EUR organization, main work and objects,
- 2) General introduction to the EUR requirements, history and evolution: where they come from, why they are needed and developing process of the requirements,
- 3) Technical presentations of the main chapters of Revision D.

This course is open to anybody who has a minimum scientific background. It is intended to provide first hand information to young professionals' engineers that have already started a career. This will also be a good opportunity to develop contacts between the participants.

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

### CO-ORGANISERS

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

MVM: <http://www.mvm.hu/en/Lapok/default.aspx>

### PRACTICAL INFORMATION

Venue: Erzsebet Grand Hotel\*\*\*\* <http://www.erezsebethotelpaks.hu/en/Index.aspx>

GPS: 46°37'39.0"N 18°52'02.7"E

Address: H - 7030 Paks, Szent István tér 2. Hungary

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- Course fee: free, except for the accommodation
- Language: English
- Presentations will be released on USB-Flash



# PROGRAMME

| Day1        |   |  |
|-------------|---|--|
| Time        | Agenda  |  |
| 8:00-9:00   | Registration*   |  |
| 9:00-9:15   | <b>Opening with Guillaume Jacquart/Csilla Tóth</b>  | -15min<br>EUR chairman/MVM Paks II. tech. director |
| 9:15-9:35   | <b>General introduction to the EUR organization</b>   | -20min<br>Antoine Guelfi (EDF)                     |
| 9:35-10:45  | <b>EUR documentation history and evolution</b>  | -70min<br>Olivier Rousselot (EDF)                  |
| 10:45-11:00 | Break   | -15min   |
| 11:00-12:40 | <b>Safety Requirements (2.1)</b>  | -100min<br>Niils-Olov Jonsson (Vattenfall)         |
| 12:40-13:00 | Discussion  | -20 min  |
| 13:00-14:15 | Lunch   |  |
| 14:15-15:15 | <b>Design Basis (2.4)</b>   | -60min<br>Valérie Bellens (Tractebel)              |
| 15:00-15:15 | Discussion  | -15min   |
| 15:15-16:15 | <b>PSA methodology (2.17)</b>   | -60min<br>Stanislav Husták (CEZ)                   |
| 16:15-16:30 | Discussion  | -15min   |
| 16:30-16:45 | Coffee  |  |
| 19:00       | Welcome Dinner  |  |
| Day2        |   |  |
| 8:30-9:15   | <b>Performance requirements (2.2)</b>   | -45min<br>Danilo Dimitri (Enel)                    |
| 9:15-9:30   | Discussion  | -15min   |
| 9:30-10:15  | <b>Grid requirements (2.3)</b>  | -45min<br>Lasse Linnamaa (Fortum)                  |
| 10:15-10:30 | Discussion  | -15min   |
| 10:30-10:45 | Break   | -15min   |
| 10:45-11:45 | <b>Material related requirements - Components, Systems and Processes 2.6, 2.7 &amp; 2.8</b> | -60min<br>Olivier Rousselot (EDF)                  |
| 11:45-12:15 | Discussion  | -30min   |
| 12:15-14:00 | Lunch   |  |
| 14:00-15:00 | <b>Containment system (2.9)</b>   | -60min<br>Miroslav Kotouc (CEZ)                    |
| 15:15-15:30 | Discussion  | -15min   |
| 15:30-16:15 | <b>Instrumentation &amp; Control (2.10)</b>   | -45min<br>Tamás Túri (MVM Paks II)                 |
| 16:15-16:30 | Discussion  | -15min   |
| 16:30-16:45 | Coffee  |  |
| 19:00       | Dinner  |  |
| Day3        |   |  |
| 8:30-9:15   | <b>Layout rules (2.11)</b>  | -45min<br>Olivier Rousselot (EDF)                  |
| 9:15-9:30   | Discussion  | -15min   |
| 9:30-10:00  | <b>Design process and Documentation (2.12)</b>  | -30min<br>Semen Kanareykin (Rosenergoatom)         |
| 10:00-10:15 | Discussion  | -30min   |
| 10:15-10:30 | Break   | -15min   |
| 10:30-11:00 | <b>Cost Assessment Information requirements (2.19)</b>                                      | -30min<br>Ilya Bunak (Rosenergoatom)               |
| 11:00-11:15 | Discussion  | -15min   |
| 11:15-11:30 | Wrap up   | -15min   |
| 12:00-13:00 | Lunch   |  |
| 13:00-15:00 | Site visit**  |  |

\* Lunch/Dinner payment individually

\*\* based on the applications (Turbine building, Reactor hall through the observation room, Main control room through the observation room, Maintenance training centre.)

