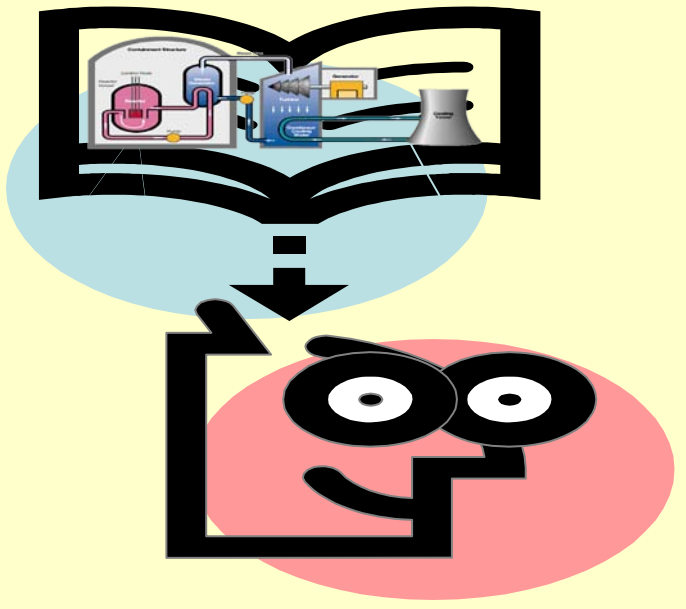


*Training and Knowledge  
Exchange Platform in Slovakia  
First Course Event:  
Advanced PWR Nuclear  
Technology*

**A Training Course for  
Prospective Nuclear professionals**

**October 4-15, 2010, Piestany Spa, Slovakia**



**Organized by**  
**CESys & Tytan Agency**  
**Hviezdoslavova 12**  
**917 00 Trnava, Slovak Republic**

**Course Objectives:**

- To introduce advanced PWR Nuclear technology, new plant safety, to professional staff members of state and industry organizations.
- To motivate interested individuals with diverse educational backgrounds to make an informed choice regarding nuclear safety.
- To provide a basic understanding of up-to-date advanced PWR nuclear technology that serves as a gateway to further training.
- To assist nuclear state and industry organizations develop a cadre of knowledgeable staff who can appreciate the significance of various nuclear technologies and evaluate functions.

**Key Topics:**

*Basic nuclear concepts and power generation in Advanced PWR*

- Nuclear plant safety principles, criteria, and systems
- Deterministic and probabilistic safety analysis
- PWR demo simulator
- Nuclear safety culture, management
- Overview of nuclear plants and safety
- Generation III plus designs, concepts

**Language:** English

**Description**

*Advanced PWR Nuclear technology* is a ten-day course especially designed to motivate experts to the nuclear field, who may have diverse backgrounds. The course comprises motivating lectures, group discussions and exercises, invited presentations, advanced PWR demo simulator, nuclear plant tour, and opportunities to dialog with experienced nuclear experts and industry staff.

Set within a systematic framework, each lesson has well-defined learning objectives. Participants are introduced to nuclear concepts, principles and processes essential to the basic understanding of nuclear power plant operation and safety. They become familiar with a framework for understanding nuclear safety management and regulatory functions. This provides the basis to learn about nuclear safety design requirements, safety analysis methods, operational safety controls, regulatory licensing basis, and methods of safety assessment to achieve performance improvement. The course provides frequent reference to accepted standards, particularly the nuclear safety standards of the International Atomic Energy Agency. The mix of lectures and invited presentations from regulatory and industry representatives provides participants a balanced perspective on nuclear safety.

**Lecturers:**

*Andrew Teller, AREVA Group*

*Karl Goetz, TÜV SÜD*

*Zoltan Kovac, RELKO*

*Stefan Mikula, CORYS Tess*

*And others....*

**Participant Qualifications:**

A degree in a science or engineering discipline is required. Also a good knowledge of English is essential to understand presentations and participate in discussions and class exercises.

**Participation:** 20 participants maximum

**Course Registration and Fees:**

Please contact CESys Secretariat as soon as possible with an expression of interest or with questions or comments:

Lubomir Tomik, Executive Director

+421 33 5515 753 or [lubos.tomik@cesys.sk](mailto:lubos.tomik@cesys.sk)

Drahomira Polakovicova

+421 903 748055 or [erasmus@stonline.sk](mailto:erasmus@stonline.sk)

Registration fee of **3500 EUR** payable to CESys is required at the time of registration.

Bank connection;

Tatra Banka, Hodzovo nam3, Bratislava, Slovakia

BIC (SWIFT)TATRSKBX,

IBAN: SK 231100 0000 0029 2283 3243

Account number: 2922833243/1100

It includes course instruction, materials, accommodation and welcome reception. Participants make own travel ; however, CESys staff can provide recommendations.

[www.cesys.sk](http://www.cesys.sk), [www.spapiestany.sk](http://www.spapiestany.sk)