

**ENEN PhD Symposium**  
**P. A. Beeley**  
**ENEN Vice President**

The ENEN PhD Symposium was organised in conjunction with the International Youth Conference on Energetics (IYCE 2007) and the symposium was held on the 1<sup>st</sup> July 2007 in Budapest, Hungary. The student projects for presentation were selected by members of the ENS Board. The programme for the PhD event is given below.

**ENEN PhD Symposium Programme**

**ENEN PhD Session 2A** (1st July 9:00-10:45)  
Chair: *Prof. Bruno Panella* (Italy)

**2A-1** *Israel Canamon Valera*: Analysis and Modelling of Coupled Thermo-Hydro-Mechanical Phenomena in 3D Fractured Media

**2A-2** *Gabor Legradi*: CFD Analysis of Damaged Fuel Inside a Cleaning Vessel

**2A-3** *Botond Beliczai*: Comparison of Optimization of Loading Patterns on the Basis of SA and PMA-Algorithms

**ENEN PhD Session 2F** (1st July 11:15-13:00)  
Chair: *Prof. Emilio Minguez* (Spain)

**2F-1** *Ed Shire*: Investigation of the Suitability of HPAC for Nuclear Reactor Accident Emergency Planning and Accident Response

**2F-2** *Massimo Librizzi*: A Fuzzy Methodology for Human Reliability Analysis and Its Application to a Steam Generator Tube Rupture Accident Scenario

**2F-3** *Rosa Lo Frano*: Instabilities Influence on Thin Shell Buckling Behaviour

**ENEN PhD Session 3A** (1st July 14:00-15:45)  
Chair: *Prof. Csaba Sükösd* (Hungary)

**3A-1** *Andreas Enquist*: Analytical and Numerical Modelling of the Statistics of Emission from a Fissile Sample with Absorption

**3A-2** *Francois Fevotte*: Improved Transmission Probabilities for the Neutron Transport Problem with the Method of Characteristics

**3A-3** *Joris Van den Bosch*: ADS candidate materials compatibility with Liquid Metals in Neutron Irradiation Environment

**ENEN PhD Session 3F** (1st July 16:15-18:00)  
Chair: *Prof. Behrooz Bazargan-Sabet* (France)

**3F-1** *Marek Miklos*: VVER Fuel Assemblies Monitoring in Long Term Storage Condition

**3F-2** *Otmar Promper*: CO2 Emissions and Supply Guarantee – is Austria’s Power Sector Able to Accomplish this Challenges without Nuclear Power also in the Future?

**3F-3** *Yelena Kuyanova*: Environmental Contamination with Strontium-90 at a Site Within the Former Soviet Nuclear Test Site at Semipalatinsk, Kazakhstan

### **Winners of the ENEN PhD Symposium**

The ENEN PhD panel assessed each presentation based on the quality of the presentation, the technical content of the project and the student’s answers to questions. Three equal winners were chosen. The winners are listed below.

Francois Fevotte (France)

Rosa Lo Frano (Italy)

Israel Canamon Valera (Spain)