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## Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3) Departament Badań Układów Złożonych (DUZ)

Wtorek: **19.04.2022**  
**Exceptionally 17:30**

**dr hab. Tomasz Kozłowski, prof. NCBJ**  
University of Illinois (USA) & NCBJ (Poland)

### **HTGR experimental reactor for research, education, and training**

#### **Abstract:**

The University of Illinois at Urbana-Champaign formed a partnership with Ultra Safe Nuclear Corporation to deploy an advanced research reactor on campus, based on a microreactor design that improves upon well-established high-temperature, gas-cooled reactor (HTGR) technology. Unlike traditional research reactors, our focus at UIUC is not on a laboratory tool to study radiation interactions with matter, or even on the production of radioisotopes. Instead, we will build a research, education, and training facility intended to help advanced reactor technology become a widely deployable, marketable, economic, safe, and reliable option for a clean energy future. If successful, the USNC-designed Micro Modular Reactor (MMR) would operate on UIUC's campus with the capability to advance critical and enabling technologies required for advanced reactors to realize their full potential, while educating and training the workforce as a key step toward delivering on the technology's promise. Microreactors can become a transformative distributed energy technology and revolutionize energy infrastructure worldwide.

Serdecznie zapraszamy  
M. Dąbrowski, T. Kwiatkowski  
<http://www.phd4gen.pl>