

NURETH-16 Workshop: Verification, Validation and Uncertainty Quantification Methodologies Quantification for Multi-Physics Simulations: Overview, Methods and Current Plans for Major R&D Programs

Sunday, August 30, 2015

Hyatt Regency Chicago

Location: Wrigley

Sunday – August 30, 2015

- 09:00 – 09:05 Introduction – Tomasz Kozlowski (University of Illinois)
- 09:05 – 09:45 Uncertainty Quantification, Data Assimilation and Model Calibration – Hany Abdel-Khalik (Purdue)
- 09:45 – 10:25 Code_Saturne Verification by the Method of Manufactured Solutions – Jacques Fontaine (EDF)
- 10:25 – 10:35 Q&A and DISCUSSION
- 10:35 – 10:45 COFFEE BREAK
- 10:45 – 11:25 Uncertainty Quantification for Strong Coupled Phenomena – David Aumiller (Bechtel)
- 11:25 – 12:05 Verification, Validation and Uncertainty Quantification for Reactor System Simulation – Thomas Downar (Michigan)
- 12:05 – 12:15 Q&A and DISCUSSION
- 12:15 – 13:00 LUNCH
- 13:00 – 13:30 OECD/NEA Benchmark for LWR Uncertainty Analysis in Modeling (LWR-UAM), Phase I – Kostadin Ivanov (NCSU)
- 13:30 – 14:00 OECD/NEA Benchmark for LWR Uncertainty Analysis in Modeling (LWR-UAM), Phase II and III – Maria Avramova (NCSU)
- 14:00 – 14:40 Uncertainty Quantification and Code Validation Using RAVEN – Cristian Rabiti (INL)
- 14:40 – 14:50 Q&A and DISCUSSION
- 14:50 – 15:00 BREAK
- 15:00 – 15:30 Nuclear Energy Knowledge and Validation Center (NEKVAC) – Richard Schultz (INL)
- 15:30 – 16:00 CFD Code Validation in a World of Flawed Experimentalists – Stephen Lomperski (ANL)
- 16:00 – 16:30 Needs, Challenges and Opportunities – All