

Event Programme*

17 October 2018

[Hilton One Piccadilly Place, Manchester, M1 3DG](#)

Nuclear Modelling in Nuclear Science and Engineering 2018

“Advancing certainty to reduce risks and costs”

Time	Agenda	Presenter
09:15	Registration and networking	
10:00	Welcome	Chair: Moji Moatamedi International Society of Multiphysics
Session 1	Speakers will explore and discuss the following topics;	
UK Government Nuclear Research		Carolyn Howlett, Fraser-Nash Consultancy
A UK Regulatory perspective on “Computational Fluid Dynamics” (CFD) for Nuclear safety analysis		Jonathan Downing, John Jones, Ali Tehrani Office for Nuclear Regulation
Session 2	Application of modelling in risk analysis	Chair: Paul Smith, Wood
Challenges in developing safety analysis models of the EU tritium breeding modules for the ITER Fusion Project		Andrew Grief, Wood
Virtual engineering		John Lillington, Wood
Development and application of risk oriented accident analysis methodology for Nordic BWR sever accident management		Sergey Galushin, Dmitry Grishchenko, Pavel Kudinov, KTH, Sweden
12:45 – 13:45		Lunch
Session 3	Data Assimilation and Uncertainty	Chair: Fiona Rayment, NIRO
Selective application of the method of propagation of uncertainty to determine safety margins		Imperial College London
Title being confirmed		Cambridge University
Title being confirmed		Bangor University
Session 4	Validation and Verification	Chair: Chris Pain, Imperial College London
Reactor core analysis: Past and Future		Paul Bryce, EDF Energy
Verification and validation of ANSWERS software		Paul Smith, Wood
Application of digital modelling and risk		Jim Henshaw & Shirley Dickenson, NNL
16:10	Wrap up and close from Chair, Fiona Rayment	
16:15	Depart	
*Latest programme, indicative. More speakers to be announced		