

M&C 2017

International Conference on Mathematics & Computational Methods
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Special Session Description

Session Title: **Whole Core Modeling and Simulation**

Subject Area: Multiphysics Power Reactor Simulation

Organizer

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Description

As a culmination of many different areas of work, whole core multiphysics modeling and simulation is a fascinating area in which significant progress is continuous. This special session is intended to cover recent advancements in some of the leading high-fidelity simulation tools to date, consisting of any variety of multiphysics combinations used in whole core simulation. This includes both deterministic and probabilistic methodologies targeting current and advanced reactor concepts. Comparisons to measured data are preferred, with code-to-code comparisons as appropriate.