CALL FOR PAPERS M&C 2023

International Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering

August 13-17, 2023

Sheraton Fallsview Hotel, Niagara Falls, Canada



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Hotel Liaison & Registration: Ben Rouben & CNS Office

Session Topics

Machine Learning and Artificial Intelligence

Deterministic Transport Methods and Applications

Monte Carlo Methods and Applications

Time- Dependent and Radiative Transfer Methods

High-Performance Computing

Computer Codes, Modelling and Simulation

Multi-Scale, Multi-Physics Simulations

Computational Fluid Dynamics

Computational Methods for Thermalhydraulics

Computational Materials Science

Simulations for Small Modular Reactors and GEN-IV Reactors

Modelling and Simulations in High-Energy-Density Physics and

Plasma Physics

Sensitivity Analysis and Uncertainty Quantification

Verification and Validation

Nuclear Data and Nuclear Data Evaluations

Areas of Application (Not exhaustive)

Reactor Operation and Safety

Subcritical Systems

Radiation Protection and Shielding

Non-proliferation and Safeguards

Advanced Reactors and Fusion Energy Systems

Nuclear Fuel and Fuel Cycles

Refurbishment and Commissioning Simulations

Dates

Extended abstracts due: Nov. 22, 2022 Review notification: Mar. 7, 2023 May 9, 2023 Full papers due:

Logistics (Technical and Student Sessions)

Templates and instructions: MC2023.com/Authors Submit an abstract/paper: MC2023.com/Authors Contact email: info@MC2023.com



