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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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Session Topics

Machine Learning and Artificial Intelligence
Deterministic Transport Methods and Applications
Monte Carlo Methods and Applications
High-Performance Computing
Computer Codes, Modelling and Simulation
Multi-Scale, Multiphysics Simulations
Computational Fluid Dynamics
Computational Materials Science
Simulations for Small Modular Reactors and GEN-IV Reactors
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. 1, 2022
Review notification: Mar. 7, 2023
Full papers due: May 9, 2023

Logistics (Technical and Student Sessions)
Templates and instructions: MC2023.com/Authors
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