

# 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



## Conference Organizing Committee

### Honorary Chairs:

Ben Rouben (12&1)

Guy Marleau (Polytechnique Montréal)

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**Finance:** Mohamed Younis (AECL, retired)

**Technical Tours:** Robert Farkas (Ontario Tech)

**Website/Publications:** Adriaan Buijs (McMaster U)

**Local Arrangements:** Wei Shen (CANDU Owners Group)

### Hotel Liaison & Registration:

Ben Rouben & CNS Office

## 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](https://MC2023.com/Authors)

Submit an abstract/paper: [MC2023.com/Authors](https://MC2023.com/Authors)

Contact email: [info@MC2023.com](mailto:info@MC2023.com)

