

Workshop on Computational Nuclear Science and Engineering

Monday, 12 July 2021 - Friday, 16 July 2021

Virtual Event

Topics

Computational Nuclear Science and Engineering

Keywords: computational methods for nuclear sciences; computational methods for nuclear engineering.

Nuclear Observables Challenges

Keywords: computational methods for nuclear data; nuclear data for high fidelity, high performance reactor modelling and simulation.

Advanced Modelling and Simulation Methodologies for Nuclear Science and Engineering

Keywords: integrated multi-physics modelling for nuclear fusion plasma science; integrated multi-physics simulation for nuclear fusion; reactor multi-physics modelling combined with digital measurement data.

Open Source Data and Codes for Nuclear Science and Engineering

Keywords: open source data and codes for nuclear fusion science; open source data and codes for nuclear engineering.

Advanced Computational Methods for Nuclear Science and Engineering

Keywords: machine learning; algorithm development for data analysis in nuclear research; high performance computing; high performance humans in computing; data sciences for reactor systems.