

Tuesday 9 September

09:00

Physics-Based Machine Learning

Location: Fudan University, Shanghai, China, Auditorium Hall HGX 102 (Guanghua Twin Tower), 220 Handan Road, Yangpu District, Shanghai, China 邯郸路 220 号 复旦大学 |

Convener: Geert Verdoolaege

09:00-09:30 Advancing Transparent Deep Learning for Modeling Turbulence in Fusion Plasmas

Speaker

Mr David Garrido-Gonzalez

09:30-10:00

The Potential of Physics-Informed Neural Networks to Analyse Tokamak Diagnostic Measurements

Speaker

Dr Riccardo Rossi

10:00-10:25

When Explainable AI is not enough: Informed Machine Learning to Combine Fidelity and Interpretability

Andrea Murari

10:25

Wednesday 10 September

13:30

Physics-Based Machine Learning

Session

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Convener: Andrea

Murari

13:30-13:45

Prediction of NTM seed magnetic island trigger threshold in EAST based on supervised learning

Speaker

Feifei Long

13:45-14:00

Integrated modeling and experimental validation of H-mode divertor detachment and core confinement compatibility on HL-2A tokamak

Speaker

Mr Yukun Shu

14:00