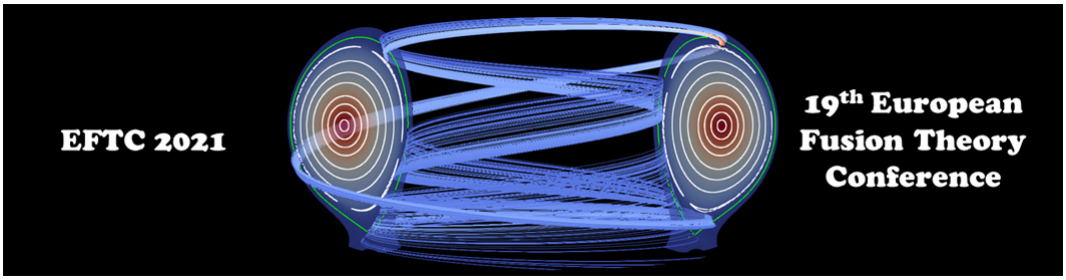
Session Program

Oct 11 – 15, 2021



19th European Fusion Theory Conference

POSTER SESSION

Virtual in Consorzio RFX

Tue, October 12

2:50 PM

POSTER SESSION: P1

Session | **Location:** Virtual in Consorzio RFX

2:50 – 4:40 PM **On Ohm’s law in reduced plasma fluid models**

Speaker
John Omotani

2:50 – 4:40 PM

Emergent signature of a global scaling of heat transport in fusion plasmas

Speaker
Johan Anderson

Subcontributions

Breakout room 15

2:50 – 4:40 PM **Machine-learning accelerated Particle-In-Cell Simulations**

Speaker
Ralph Kube

2:50 – 4:40 PM

Simulation of microturbulence in magnetised plasma with heat sources using a delta-f gyrokinetic approach with an evolving background Maxwellian

Speaker
Moahan Murugappan

2:50 – 4:40 PM

Finite orbit width effects on neoclassical transport in large aspect ratio tokamaks

Speaker
Silvia Trinczek

2:50 – 4:40 PM

The MHD dynamo effect in reversed-field pinch and tokamak plasmas: indications from nonlinear 3D MHD simulations

Speaker
Daniele Bonfiglio

2:50 – 4:40 PM **Kinetic analysis of the collisional layer**

Speaker
Mantas Abazorius

2:50 – 4:40 PM **The impact of the heating mix on L- and H-mode DEMO plasmas**

Speaker
Dr Guillermo Suarez Lopez

2:50 – 4:40 PM

Parallelization of a 3D FDTD code and physics studies of EC heating and current drive in fusion plasmas

Speaker
Dr Christos Tsironis

2:50 – 4:40 PM **Convolution based particle solution to Fokker-Planck type equations**

Speaker
Mohsen Sadr

2:50 – 4:40 PM

Particle momentum and energy transport under interaction with Localized Wavepackets

Speaker
Mr Theodoros Bournelis

2:50 – 4:40 PM **Braginskii Equations for Hot Plasmas: Weakly Relativistic Approach**

Speaker
I. Marushchenko

2:50 – 4:40 PM

Kinetic modelling of parallel transport in the tokamak scrape-off layer

Speaker
Dominic Power

2:50 – 4:40 PM

Analytical instruments that can be useful to plasma theory: axial anomaly, conformal invariance, effective Larmor radius

Speaker
Dr Florin Spineanu

2:50 – 4:40 PM

Gyrofluid investigation of finite βe effects on collisionless reconnection

Speaker
Camille Granier

5:30 PM