

Invited and Oral Talks

No.	Speaker	Affiliation	Paper
I-1	F.L. Waelbroeck	IFS	Theory and Simulation Research on Magnetic Islands in Space and Fusion Plasmas
I-2	Z. Lin	UCI	Advances in Simulations at Extreme Scale of Energetic Particle Dynamics in Fusion Plasmas
I-3	Y. Todo	NIFS	Large-Scale Simulation of Energetic-Particle-Driven MHD Instabilities
I-4	A. Bhattacharjee	PPPL	Fast Reconnection Mediated by the Plasmoid Instability in High-Lundquist-Number Plasmas: Dynamics and Statistics
I-5	Y. Idomura	JAEA	Progress of Full-f Gyrokinetic Simulation toward Reactor Relevant Numerical Experiments
I-6	B. Scott	IPP	Modern Diagnostics for Analysis and Interpretation of Advanced Simulations at Extreme Scale
I-7	M. Barnes	MIT	Turbulence-Driven Intrinsic Rotation in Tokamak Plasmas
I-8	M. Yokoyama	NIFS	Integration of Large-Scale Simulations and Numerical Modelling/Tools in Close Link to LHD Experiment
I-9	C.S. Chang	PPPL	Extreme Scale Gyrokinetic Simulation of Multiscale Edge Blobs and Its Implication to Edge-Core Transport
I-10	K. Hoshino	JAEA	Divertor Study on Demo Reactor
I-11	C. Corr	ANU	Ion Interactions with Fusion-Relevant Materials
I-12	P.B. Snyder	GA	Understanding the Physics of the H-mode Pedestal and Edge Localized Modes in Fusion Devices
I-13	D.E. Hinkel	LLNL	Progress Toward Ignition at the National Ignition Facility
I-14	T. Tanaka	Kyushu	Global Magnetosphere-Ionosphere Coupling Simulation of the Substorm
O-1	S. Usami	NIFS	Multi-Hierarchy Simulation with 2D-Interlocking Scheme for Magnetic Reconnection Study
O-2	M. Toida	Nagoya	Parametric Studies of Ultrarelativistic Electron Acceleration by an Oblique Shock Wave
O-3	N. Ohno	Hyogo	Development of In-Situ Visualization Tool for PIC Simulation
O-4	L. Nikolic	Geomag.Lab.	A Numerical Framework for Operational Solar Wind Prediction
O-5	T. Gotoh	NIT	Statistics and Dynamics of Scalar at Small Scales in Turbulence
O-6	M. Romanelli	CCFE	JINTRAC: A Tool for Integrated Simulation of Tokamak Scenarios
O-7	J.H. Lee	NFRI	Overview of KSTAR Experiments in 2013
O-8	J.Q. Li	Kyoto	Numerical and Experimental Comparison of Blob/Hole Dynamics on the Dependence of Collisionality in Magnetic Fusion Plasmas
O-9	A.M. Ito	NIFS	Domain Decomposition Molecular Dynamics with Multi-Body Potential for Tungsten and Carbon Material
O-10	R. Kobayashi	NIT	Hydrogen and Helium Effects on Dislocation Motion in BCC Metals
O-11	S. Nishimura	NIFS	Nonlinear Stability of RMP-Induced Magnetic Islands in LHD
O-12	T. Bolzonella	Consorzio RFX	Physics and Control of External Kink Instabilities with Realistic 3D Boundaries: A Challenge for Modern Modeling and Experimentation
O-13	K. Mima	GPI	Magnetized Fast ignition (MFI) and Laser Plasma Interactions in Strong Magnetic Field
O-14	C.Z.Cheng	Tokyo & NCKU	Physical Picture of 2D Driven Collisionless Magnetic Reconnection and Generation of Quadrupole Magnetic Field and Electrostatic Potential