F (Fundamental)				2021.07.04 AAPPS-DPP	
No	**Name**	**Affiliation**	**Title**	**P, TP, I**	**Sub Category**
1	Gianluca Gregori	Oxford University	Suppression of Heat Conduction in Turbulent and Magnetized Plasmas	Plenary	2. F (Fundamental)
2	Katsumi Ida	National Institute for Fusion Science	Observation of bipolar velocity-space signature of ion Landau damping	Plenary	2. F (Fundamental)
3	K. Sreenivasan	NYU	Do we have a solution to the Turbulence Problem?	Plenary	2. F (Fundamental)
4	Stanislav Boldyrev	University of Wisconsin-Madison	Role of magnetic reconnection in plasma turbulence.	Plenary	2. F (Fundamental)
5	Zhisong Qu	Australian National University	Modelling sawteeth in tokamak plasma as a sequence of Multi-region Relaxed MHD equilibria	Invited	2. F (Fundamental)
6	Arunav Kumar	Australian National University	Normal mode spectrum of Multi-region relaxed Magnetohydrodynamics	Invited	2. F (Fundamental)
7	Robert Dewar	Australian National University	Review of relaxed MHD theories	Invited	2. F (Fundamental)
8	Yanick Sarazin	CEA	Key impact of phase dynamics and diamagnetic drive on Reynolds stress in magnetic fusion plasmas	Invited	2. F (Fundamental)
9	Guilhem Dif-Pradalier	CEA	Causality in Spontaneous Edge Transport Barrier Onset	Invited	2. F (Fundamental)
10	Xavier Leoncini	Centre de Physique Théorique, Aix-Marseille University, FRANCE	From plasma equilibrium to Hamiltonian chaos and the “destruction” of the magnetic moment	Invited	2. F (Fundamental)
11	Boudewijn van Milligen	CIEMAT	Intermittence and turbulence in fusion devices	Invited	2. F (Fundamental)
12	Marco Veranda	Consorzio RFX	The Greenwald density limit as a convective cell and radiative phenomenon in Reversed Field Pinch	Invited	2. F (Fundamental)
13	Giovanni Di Giannatale	Consorzio RFX (CNR, ENEA, INFN, Università di Padova, Acciaierie Venete SpA) Corso Stati Uniti 4, Padova,	Lagrangian Coherent Structures to study and understand nonlinear transport	Invited	2. F (Fundamental)
14	Gyungjin Choi	Department of Nuclear Engineering, Seoul National University	Residual vortex flow in magnetic island	Invited	2. F (Fundamental)
15	Mahendra Verma	Department of Physics, Indian Institute of Technology, Kanpur	Variable energy fluxes and exact relations in Magnetohydrodynamics turbulence	Invited	2. F (Fundamental)
16	Rahul Pandit	Department of Physics, Indian Institute of Science	Particles and Fields in Binary- and Ternary- Fluid Mixtures	Invited	2. F (Fundamental)
17	Marcelo Baquero-Ruiz	Ecoly Polytechnique Federale de Lausanne, Swiss Plasma Center	Modeling cross magnetic field suprathermal ion transport with a persistent random walk	Invited	2. F (Fundamental)
18	Alexandros Alexakis	ENS Paris	Bidirectional cascades in turbulent flows	Invited	2. F (Fundamental)
19	Andrea M. Garofalo	General Atomics, San Diego, USA	Deconvolving the roles of E×B shear and pedestal structure in the energy confinement quality of Super H-mode experiments	Invited	2. F (Fundamental)
20	Pallavi Bhat	ICTS India	Magnetic field generation in astrophysical fluids	Invited	2. F (Fundamental)
21	Amita Das	Indian Institute of Technology, Dehli	Novel Boundary Driven Mechanism of Generating Large Scale Magnetic Field in Laser-Plasma Interaction	Invited	2. F (Fundamental)
22	Arnab Rai Choudhuri	Indian Institute of Science	Solar cycle prediction on the basis of flux transport dynamo model	Invited	2. F (Fundamental)
23	Ravishankar V	Indian Institute of Technology, Delhi	Compton scattering processes in plasmas	Invited	2. F (Fundamental)
24	Sudip Sengupta	Institute for Plasma Research	On Wave Breaking of Relativistically Intense Longitudinal Space Charge Waves in Plasma	Invited	2. F (Fundamental)
25	Jagannath Mahapatra	Institute for Plasma Research, India	Magnetic island coalescence problem in the presence of in-plane shear flow	Invited	2. F (Fundamental)
26	Katsunobu Nishihara	Institute of Laser Engineering, Osaka University	Interaction between nonuniform vortex sheet and bulk point vortices	Invited	2. F (Fundamental)
27	Yasuhide Fukumoto	Institute of Mathematics for Industry, Kyushu University	Nambu bracket and induced Lie-Poisson bracket for ideal MHD equation	Invited	2. F (Fundamental)
28	Hamid Saleem	Institute of Space Technology, Islamabad	“Exact analytical solutions of two fluid plasma equations for the generation of longitudinally uniform jet-like flows and magnetic fields by baroclinic vectors	Invited	2. F (Fundamental)
29	Ravi Samtaney	King Abdullah University of Science and Technology	Linear stability of impulsively accelerated density interface in ideal two-fluid plasma	Invited	2. F (Fundamental)
30	Lei Qi	Korea Institute of Fusion Energy	Global $\boldsymbol{E}\times\boldsymbol{B}$ pattern formation in tokamak plasmas resembles the traffic jam	Invited	2. F (Fundamental)
31	Annick Pouquet	LASP and NCAR	Small-scale and large-scale helical structures in fluid and MHD turbulence, and their role on the dynamics of (shear) flows	Invited	2. F (Fundamental)
32	Bruce R. Remington	Lawrence Livermore National Laboratory	Exploring the universe through Discovery Science on the National Ignition Facility (NIF)	Invited	2. F (Fundamental)
33	Hui Li	Los Alamos National Laboratory	Nature of Magnetized Compressible Turbulence in Space and Astrophysical Plasmas	Invited	2. F (Fundamental)
34	Laure Vermare	LPP	Formation of the radial electric field profile in the WEST tokamak	Invited	2. F (Fundamental)
35	Ozgur Gurcan	LPP , Ecole Polytechnique, France	Model Reduction in Plasma Turbulence	Invited	2. F (Fundamental)

36	Per Helander	Max-Planck-Institute for Plasma Physics	Stellarator optimisation	Invited	2. F (Fundamental)
37	Izumi Saito	Nagoya Institute of Technology	Zonostrophy invariant and its relation to pattern formation in CHM turbulence	Invited	2. F (Fundamental)
38	Chio Zong Cheng	National Cheng-Kung University/ University of Tokyo	Ion and Electron Heating/Acceleration in Magnetic Reconnection	Invited	2. F (Fundamental)
39	Hideaki Miura	National Institute for Fusion Science, Japan	Structures and statistics of Hall MHD turbulence	Invited	2. F (Fundamental)
40	Chihiro Matsuoka	Osaka City University	Nonlinear interaction of two interfaces in the multi-component Richtmyer-Meshkov instability	Invited	2. F (Fundamental)
41	Rongjie Hong	Physics and Astronomy Dept, UCLA	Observation of mesoscale turbulence and the role of E_r×B shear flow in H-mode DIII-D plasmas	Invited	2. F (Fundamental)
42	Jongsoo Yoo	Princeton Plasma Physics Laboratory	Lower hybrid drift waves in the reconnection current sheet of laboratory and space plasmas	Invited	2. F (Fundamental)
43	Min-Gu Yoo	Princeton Plasma Physics Laboratory	Collisionless plasma transport in the presence of open stochastic magnetic field lines	Invited	2. F (Fundamental)
44	James Yang	Princeton Plasma Physics Laboratory	Interaction of Fast Ions with Neoclassical Tearing Modes in NSTX	Invited	2. F (Fundamental)
45	Yong Jik Kim	Seoul National University	Turbulence Simulation of Ion Temperature Gradient and Trapped Electron Mode Using Extended Bounce Kinetic Model	Invited	2. F (Fundamental)
46	Taik Soo Hahm	Seoul National University	Role of E×B Vortex in a Magnetic Island in Regulating Microturbulence	Invited	2. F (Fundamental)
47	JongYoon Park	Seoul National University	Current-driven kink instability of magnetized plasma column surrounded by background plasma	Invited	2. F (Fundamental)
48	June Young Kim	Seoul National University	Origin of Non-Maxwellian Electron Energy Distribution in Magnetically Expanding Plasma	Invited	2. F (Fundamental)
49	Ting Long	SWIP	Experimental Studies of the Edge Shear Layer Near the Density Limit of the J-TEXT Tokamak	Invited	2. F (Fundamental)
50	Qinghao Yan	SWIP and Tsinghua University	Physics of Turbulence Spreading and Explicit Nonlocality	Invited	2. F (Fundamental)
51	Ravindra Kumar G.	Tata Institute of fundamental Research	Magnetic field turbulence in laboratory laser plasma experiments	Invited	2. F (Fundamental)
52	Gianluca Sarri	The Queen's University of Belfast, UK	Multi-PW laser systems: Opportunities and Avenues for fundamental and applied research	Invited	2. F (Fundamental)
53	Naoki Sato	The University of Tokyo	Existence of ideal magnetofluidostatic equilibria with nonconstant pressure in asymmetric domains	Invited	2. F (Fundamental)
54	Snezhana Abarzhi	The University of Western Australia	Fluid instabilities and interfacial mixing in high energy density plasmas	Invited	2. F (Fundamental)
55	Nobuyuki Sawado	Tokyo University of Science	Solitons in zonal flows: a study of nonlinear planetary eddies	Invited	2. F (Fundamental)
56	Patrick Diamond	UC San Diego	Layering or Homogenization? - a Matter of Time !	Invited	2. F (Fundamental)
57	Chang-Chun Chen	UC San Diego	Kinetic Stress and Particle Transport by Stochastic Fields and Turbulence	Invited	2. F (Fundamental)
58	George Tynan	UC San Diego	On the Link Between Turbulence -Driven Plasma Flows and Critical Device Operational Limits	Invited	2. F (Fundamental)
59	Hongjuan Sun	UKAEA	Understanding the Role of Edge Plasma Physics in H-Mode Density Limit on the JET ILW	Invited	2. F (Fundamental)
60	Robin Heinonen	Univ Rome Tor Vegata and UC San Diego	On the Role of Cross Helicity in Beta Plane Magnetohydrodynamic Turbulence	Invited	2. F (Fundamental)
61	Pablo Mininni	Universidad de Buenos Aires	Multiscale interactions in compressible plasma turbulence and acceleration of particles in space physics	Invited	2. F (Fundamental)
62	Rameswa Singh	University of California San Diego	On How Edge Shear Layer Collapse Defines Greenwald limit	Invited	2. F (Fundamental)
63	Jeff Lestz	University of California, Irvine	Nonlinear evolution of kinetic instabilities due to dynamical friction and large effective scattering	Invited	2. F (Fundamental)
64	Javier Nicolau	University of California, Irvine	Helically trapped electron mode (HTEM) in W7-X stellarator	Invited	2. F (Fundamental)
65	Laura Cope	University of Leeds	The Dynamics of Zonal Jet Migration	Invited	2. F (Fundamental)
66	Steven Tobias	University of Leeds	An introduction to topologically protected waves in MHD and plasmas	Invited	2. F (Fundamental)
67	Hiroshi Tanabe	University of Tokyo	High field application of merging/reconnection plasma startup in the ST40 and TS-6 spherical tokamaks	Invited	2. F (Fundamental)
68	Michiaki Inomoto	University of Tokyo	Control of in-plane electric field during guide field magnetic reconnection in torus-type laboratory experiment	Invited	2. F (Fundamental)
69	Mark Koepke	West Virginia University, USA	WVU-led experiments contributing to the Frontier Science Campaign on DIII-D and LAPD	Invited	2. F (Fundamental)
70	Ningfei Chen	Huazhong University of Science and Technology	Soliton generation and drift wave turbulence spreading by geodesic acoustic mode excitation	Invited	2. F (Fundamental)

71	PetrosTzeferacos	UC San Diego	TDYNO:Laser-driven laboratory plasma astrophysics experiments of magnetized turbulence and fluctuation dynamo	Invited	2. F (Fundamental)
72	Kiori Obuse	Kyoto University	Spherical and beta-plane approximation models for two-dimensional turbulence on a rotating sphere	Invited	2. F (Fundamental)
73	Linge Zang	Southwestern Institute of Physics	Phase tracking with Hilbert transform and nonlinear wave-wave coupling analysis on the HL-2A tokamak	Invited	B->F
74	Xin Wang	ENEA, Frascati, Italy	Nonlinear dynamics of frequency chirping energetic particle driven modes in fusion plasmas	Invited	MF1->F
75	Takashi Minami	Institute of Advanced Energy, Kyoto University	Effect of magnetic field structure on electron internal transport barrier formation in Heliotron J	Invited	MF1->F
76	Nami Li	Lawrence Livermore National Laboratory	Characteristics of grassy ELMs and its impact on the divertor heat flux width	Invited	MF2->F
77	Euichan Jung	Department of engineering, Seoul national university	The formation of MHD coherent filament structure and its impact on explosive events in VEST	Invited	MF2->F