

B(Basic)				2021.07.04	
No	Name	Affiliation	Title	P,TP,I	Sub Category
1	Michael Bonitz	ITAP, Kiel University	Recent progress in simulations of dense quantum plasmas and warm dense matter	Plenary	3 (B) Basic
2	Hubertus Thomas	German Aerospace Center DLR – Institute of Materials Physics in Space;	Complex/Dusty plasmas – complementing research under microgravity conditions	Plenary	3.(B) Basic
3	Bill Amatuucci	US Naval Research Laboratory	Laboratory Simulation of Basic Space Plasma Phenomenon Åb0	Plenary	3.(B) Basic
4	Amar Kakad	Indian Institute of Geomagnetism, Navi Mumbai	Formation and dynamics of solitary waves in plasmas	Plenary	3.(B) Basic
5	Prabal Chattopadhyay	ITAP, Kiel University	Recent progress in simulations of dense quantum plasmas and warm dense matter	Topical Plenary	3.(B) Basic
6	Luis Chacon	Los Alamos National Laboratory US	Modern implicit algorithms for multiscale kinetic plasma simulation	Topical Plenary	3.(B) Basic
7	Hau-Wei Hu	US Naval Research Laboratory	Laboratory Simulation of Basic Space Plasma Phenomenon	Topical Plenary	3.(B) Basic
8	Hanno Kahlert	Indian Institute of Geomagnetism, Navi Mumbai	Formation and dynamics of solitary waves in plasmas	Topical Plenary	3.(B) Basic
9	Rakesh Moulick	Rangapara College, Assam, India	Sheath formation in the presence of inhomogeneous and oblique magnetic field	Invited	3.(B) Basic
10	Daisuke Kuwahara	Chubu University	Generation and measurement methods for neutral gas beam using supersonic gas puffing	Invited	3.(B) Basic
11	Suresh C. Sharma	Delhi Technological University (DTU)	Analytical Model to study the effect of alignment mechanism of carbon nanotubes in PECVD chamber on the growth characteristics of Carbon Nanotubes	Invited	3.(B) Basic
12	Yan-Fei Wang	Harbin Institute of Technology	Analytical Model to study the effect of alignment mechanism of carbon nanotubes in PECVD chamber on the growth characteristics of Carbon Nanotubes	Invited	3.(B) Basic
13	Xi-Ming Zhu	Harbin Institute of Technology	Intelligent and Standardized test system for electric propulsion in China	Invited	3.(B) Basic
14	Ramesh Narayanan	Indian Institute of Technology	Observation of dominance of the 3rd and 6th harmonics at low pressures in a parallel plate capacitive discharge using a Novel Non-invasive Diagnostic for accurate RF Harmonic Characterization	Invited	3.(B) Basic
15	Anuj baitha	Indian Institute of Technology	Production and properties of a plasma confined by a dipole magnet	Invited	3.(B) Basic
16	Supratik Banerjee	Indian Institute of Technology	Universal Energy Cascade in Space and Astrophysical Plasma Turbulence	Invited	3.(B) Basic
17	Sanjeev Kumar Maruya	Indian Institute of Technology	Capillary guiding and plasma sheath nonlinearity in achieving submicron focusing of ion beams from plasmas	Invited	3.(B) Basic
18	Akanksha Gupta	Indian Institute of Technology	Vortex dynamics in a strongly coupled Complex plasma using a compressible, visco-elastic hydrodynamic model	Invited	3.(B) Basic
19	Hariprasad M. G.	Institute for Plasma Research	Experimental investigation of phase transitions and phase co-existence of a dusty plasma crystal in a DC glow discharge plasma	Invited	3.(B) Basic
20	Nidhi Rathee	Institute for Plasma Research	Spatio-temporal evolution of large amplitude plasma waves in warm plasmas	Invited	3.(B) Basic
21	Swapnali Khamaru	Institute for Plasma Research	Discovery of a quiescent toroidal nonneutral plasma state at small aspect ratios	Invited	3.(B) Basic
22	Vinod Saini	Institute for Plasma Research	Numerical Simulation of an Expanding Magnetic Field Plasma Thruster and Possible Application to Space Debris Removal	Invited	3.(B) Basic
23	Debraj Mandal	Institute for Plasma Research	Unstable evolution of electron holes and their effect on plasma turbulence	Invited	3.(B) Basic
24	Prince Kumar	Institute for Plasma Research	Weakly magnetized dust vortex flow analysis in the absence of non-conservative fields	Invited	3.(B) Basic
25	Sanjeev Kumar Pandey	Institute for Plasma Research	Kinetic trapped particle instability in homogeneous and inhomogeneous 1D Vlasov plasma	Invited	3.(B) Basic
26	Jan Benedikt	Institute of Experimental and Applied Physics, Kiel	Diagnostic and application of Cold Atmospheric Plasmas as sources of reactive species	Invited	3.(B) Basic

		University			
27	Chi-Shung Yip	Hefei Institutes of Physical Science	Langmuir and emissive probes sweeping beyond the ion plasma frequency: sheath and circuit effects on I-V traces	Invited	3.(B) Basic
28	Mridul Bose	Jadavpur University, Kolkata	Dynamics of unmagnetised cogenerated dusty plasma	Invited	3.(B) Basic
29	Young-chul Ghim	KAIST	New DC low temperature plasma source in a multidipole device with magnetic X-point configuration	Invited	3.(B) Basic
30	Swati Baruah	Kaziranga University	Lane dynamics in a two dimensional Pair-ion Plasmas: effect of external magnetic field	Invited	3.(B) Basic
31	Akio Sanpei	Kyoto Institute of Technology	Estimation of three-dimensional emissivity profile from one viewing port	Invited	3.(B) Basic
32	Yutaro Nakajima	Kyoto Institute of Technology	Counter rotation equilibrium of two-fluid plasma with finite temperature	Invited	3.(B) Basic
33	Toshikazu Okada	Kyoto Institute of Technology	Experimental Study of Two-Fluid Plasma Equilibria Using Nonneutral Plasmas	Invited	3.(B) Basic
34	Nicolas Lopez	Princeton University	Metaplectic geometrical optics for ray-based modeling of caustics	Invited	3.(B) Basic
35	Jugal Chowdhury	Sikkim University	Phase transitions in the gravitational collapse of dust in Giant Molecular clouds	Invited	3.(B) Basic
36	Dong Li	Southwestern Institute of Physics, ChengDu	Development of the Bayesian based Gaussian Process Tomography (GPT) method and its applications to fusion diagnostics	Invited	3.(B) Basic
37	Kazunori Takahashi	Tohoku University	Momentum and energy lost to the wall in a magnetic nozzle plasma thruster and performance improvement	Invited	3.(B) Basic
38	Yangyang Fu	Tsinghua University	On the similarity and scaling laws of low-temperature plasmas	Invited	3.(B) Basic
39	Etienne Gravier	Université de Lorraine	Collisional operators: Comparison between kinetic and exact N-body simulations	Invited	3.(B) Basic
40	Manjit Kaur	University of California Irvine	Compressive heating of a relaxed magnetized plasma	Invited	3.(B) Basic
41	James Dedrick	University of York	Volume production of negative ions and atomic hydrogen in low-pressure hydrogen plasmas: resolving spatial gradients in the gas temperature and vibrational kinetics	Invited	3.(B) Basic
42	Gert Brodin	Umea University	Plasma pair-production dynamics in ultra intense electromagnetic fields	Invited	3.(B) Basic