1. Vittorio Badalassi – ORNL – Challenges in blanket design - examples and solutions using modelling and simulation

2. Dario Panici – Princeton U. - Novel Stellarator Phase Space Exploration with DESC

3. Silvia Trinczek – PPPL - Neoclassical transport in strong gradient regions

4. Gary Staebler – ORNL - A new flexible gyro-fluid linear eigensolver

5. Alexandre Sainterme – U. of Wisconsin - Madison - Resistive Instability of a Fluid Runaway Electron Beam

6. Eric Howell - Tech-X Corporation - Benchmarking Linear and Nonlinear RMP Response Models using KSTAR Plasma

7. Ivan Paradela Perez - ORNL - Analysis of power and momentum transport and removal in spherical tokamaks using SOLPS-ITER

8. Matthew Poulos - PPPL - An overview of recent progress in radio-frequency sheath theory, modeling, and experiment

9. Bamandas Basu - MIT - Collective Modes Associated with Rarefied Populations of Heavy Nuclei

10. Xueqiao Xu - LLNL - BOUT++ Simulation Code: Advancing our Understanding of Turbulence and Transport in Boundary Plasmas

11. Bruno Coppi - MIT - Non-thermal Fusion Burning Processes, Relevant Collective Modes and Gained Perspectives

12. Chris Hansen - Columbia U. - Development and validation of tools for magnetized plasmas in fusion devices with 3D structural features

13. Andrew Spencer - Utah State U. - A Newton-Krylov Method for Simultaneous Semi-Implicit Time-advance of Extended MHD with Kinetic Closures

14. George Vahala - William & Mary - Quantum Algorithms for Electromagnetic Scattering from Anisotropic Dielectric Objects

15. Xin Zhi Tan – U. of Illinois at Urbana Champaign - Elliptical corrections to the gyroaveraging operation in gyrokinetic Particle-in-Cells in high E-field-gradients regions

16. William Barham – U. of Texas at Austin - A self-consistent Hamiltonian model of the ponderomotive force and its structure preserving discretization

17. Evdokiya Kostadinova - Auburn U. - Sub-regimes in the subdiffusive and superdiffusive transport and their implications to energetic particles in magnetized plasma

18. Henry Strauss - HRS Fusion - Resistive Wall Tearing Modes In ITER Disruptions

19. Elizabeth Paul - Columbia U. - Energetic Particle Transport in Configurations Close to Quasisymmetry with Alfvénic Perturbations

20. Roelof Groenewald - TAE Technologies - A hybrid-PIC implementation in WarpX

21. Byoungchan Jang – U. of Maryland - Device-Agnostic Grad-Shafranov Solver using Parametric Physics-Informed Neural Networks

22. Samuel Frank - MIT - The impact of full-wave effects on the lower-hybrid current drive spectral gap

23. Richard Nies - Princeton U. - Perpendicular anisotropy and critical balance in electrostatic ITG turbulence

24. Gilberto Faelli - CNR - Novel Hybrid Reactor Concepts Based on Ignitor Technology and Physics

25. Philip Snyder - ORNL - Developing a New Self-Consistent Model of Coupled Pedestal, Scrape-Off-Layer, and Divertor Physics

26. Ehab Hassan - ORNL - Estimating the Heat and Particle Fluxes from the Electron-Temperature Gradient Unstable Modes at the H-mode Pedestal of Fusion National Science Facility (FNSF)

27. Linjin Zheng - Institute for Fusion Studies, U. of Te - The negative triangularity effects on the safety factor profile for tokamak steady state confinement

28. David Zarzoso - CNRS - Limitations of the gyro-kinetic description of energetic particle transport in the presence of turbulence

29. Nikita Nikulsin - Princeton U./PPPL - Approximate analytical stellarator equilibria

30. Diego del-Castillo-Negrete - ORNL - A Feynman-Kac based method for the computation of local and nonlocal anisotropic transport in magnetized plasmas.

31. Paolo Coppi - Yale U. - Plasma Structures of Astrophysical Jets Unraveled

32. Ben Dudson - LLNL - Multi-component transport and turbulence simulations with Hermes-3

33. Benjamin Sturdevant - PPPL - A finite-grid stable implicit gyrokinetic electromagnetic particle-in-cell algorithm

34. Matthew Pharr - Columbia U. - A non-local magneto-curvature instability in differentially rotating plasmas

35. Stefan Schnake - ORNL - An Adaptive Sparse Grid Discretization (ASGarD) for High-dimensional Kinetic Problems

36. Andreas Kleiner - PPPL - Extended-MHD modeling of transients in spherical tokamaks and SPARC

37. Bindesh Tripathi – U. of Wisconsin - Madison - Transport and Saturation in Two- and Three-Dimensional Shear-Flow Turbulence

38. Seung-Hoe Ku - PPPL - Electromagnetic effect on divertor heat-load width: A gyrokinetic simulation study using total-f particle-in-cell code XGC