1. Jason Parisi – PPPL - Multi-Device Study of Pedestal Width Scaling Using a Gyrokinetics-Based Model

2. Vinicius Duarte – PPPL - Shifting and Splitting of Resonance Lines due to Dynamical Friction in Plasmas

3. Priyanjana Sinha – PPPL - Neoclassical transport due to resonant magnetic perturbations in DIII-D and NSTX

4. Livia Casali – U. of Tennessee - SOL impurity transport and effects on H-mode pedestal in closed divertors

5. Nami Li – LLNL - BOUT++ Simulations on Turbulence Spreading in Small ELM Regimes for Divertor Heat Load Control

6. Atul Kumar – ORNL - Modeling of plasma parallel transport in the Material Plasma Exposure eXperiment during radio-frequency heated discharges

7. Jack Gabriel - William & Mary - Numerical investigation into the effect of temperature gradients on drift wave turbulence

8. Scott Parker – U. of Colorado - CUGK - A lightweight gyrokinetic modeling workflow for improving our understanding of transport

9. Kaixuan Fan - Peking U. - Theory of micro-tearing mode and drift Alfven wave instability

10. Jacob King - Tech-X Corp - Refactoring the NIMROD code to incorporate accelerated computing, modern Fortran and multicomponent MHD

11. Jessica Li - PPPL - Stabilizing effect of negative triangularity on turbulence-driving microinstabilities

12. Matthew Beidler - ORNL - KORC Modeling of Runaway Electron Beam Impact on DIII-D DiMES

13. Allen Boozer - Columbia U. - Chaos and Magnetic Reconnection in Low Resistivity Plasmas

14. M. Cianciosa - ORNL - A domain-specific compiler to generate optimized GPU kernels for RF Ray Tracing

15. Pier Ferraris - Consorzio Ignitor - Non-Thermal Fusion Processes and Innovations Considered for the Ignitor Program

16. Omar Lopez – ORNL - Development of a hybrid kinetic-MHD equilibrium solver for runaway electron plateau modeling

17. Patrick Kim – U. of Maryland - Optimization of Nonlinear Turbulence in Stellarators

18. Adelle Wright - PPPL - Innovations in high-fidelity magnetohydrodynamic modelling for advanced stellarators

19. Francesco Ceccherini - TAE Technologies Inc. - RF dispersion relations in FRC geometries and HHFW regime

20. Augustus Azelis – U. of Wisconsin - Madison - Intermittency in the Dimits Regime of Toroidal Ion Temperature Gradient Driven Turbulence

21. Philip Morrison – U. of Texas at Austin - On metriplectic dynamics and geometry: joining Hamiltonian and dissipative dynamics

22. Howard Wilson – U. of York - Stability of the Tokamak Pedestal with Applied 3D Magnetic Perturbations

23. Guangye Chen - LANL - A multidimensional implicit, conservative and asymptotic-preserving electrostatic particle-in-cell algorithm for strongly magnetized plasmas

24. Ivan Novikau - PPPL - Quantum computing for modeling linear waves in plasmas

25. Shu-Wei Tsao – U. of Texas at Austin - Analysis of 3D reconnection heating in the solar corona via gyrokinetic simulations

26. Felix Parra - PPPL - Linear equations for stellarator local MHD equilibria around irrational and rational flux surfaces

27. Joey Duff – U. of Wisconsin-Madison - Stellarator Turbulence Optimization Based on Flux Surface Triangularity

28. Bradley Andrew - Auburn U. - Possible Reduced Non-Equilibrium Plasma Model by Using Scaling Relations of Fractional Laplacian

29. Raul Sanchez - Universidad Carlos III de Madrid - Application to ITER and W7-X of a novel free-plasma-boundary scheme for the SIESTA and FLIPEC MHD equilibrium codes

30. Xishuo Wei - UC Irvine - Reconstruction of tokamak plasma safety factor profile using deep learning

31. Koki Imada - York Plasma Institute, U. of York - Pedestal stability analysis of MAST-U H-mode plasmas

32. Valerie Izzo - Fiat Lux - Thermal quench and resistive wall effects on operation of the DIII-D runaway electron mitigation coil

33. Lanke Fu - PPPL - Numerical near-axis expansion of weakly quasisymmetric equilibria to all orders

34. Wrick Sengupta - Princeton U. - Periodic Korteweg-de Vries soliton potentials generate magnetic field strength with exact quasisymmetry

35. Kaixuan Fan - Peking U. - Theory of micro-tearing mode and drift Alfven wave instability

36. Stefan Buller – U. of Maryland - Turbulence optimization of stellarator using linear + nonlinear gyrokinetic simulations for multi-fidelity optimization

37. Ian Gustafson - Auburn U. - Minimization of Poloidal Viscosity in Tokamaks Using the FLOW Code

38. Yi-Cheng Chuang - College of William and Mary - SOLPS-ITER simulation of MAST neutral penetration versus aspect ratio

39. Francois Waelbroeck – U. Texas at Austin - Compressible theory of unmagnetized islands in inhomogeneous plasma