

Program ~ Sherwood 2019 Conference

Location: The Westin Princeton at Forrestal Village

The program consists of 2 Invited Plenary presentations, 17 Invited Speaker presentations selected out of 66 submissions. The total number of abstract submissions is 195.

All group meetings and technical sessions will be held in The Westin Hotel. The Plenary and Invited presentations will be held in Salons A-D. The Poster Sessions will be held in Salons E-H.

Program as pdf document.

Saturday, April 13		
8:00am - 6:00pm		NIMROD Code Development Meeting, Location: Middlesex Room
Sunday, April 14		
8:00am - 6:00pm		CTTS Group Meeting Location: Middlesex Room
5:00pm - 7:00pm		Sherwood Welcome Reception/On-Site Registration Location: Nassau Room
Monday, April 15		Salons A-D
8:15am - 8:30am		Fatima Ebrahimi <i>Welcome and Announcements</i>
8:30am - 10:00am		Chair: Nathaniel Fisch and David Green
8:30am - 9:30am	Mark Herrmann	Creating, diagnosing, and controlling high energy density plasmas on the National Ignition Facility
9:30am - 10:00am	Ilya Dodin	Mode-converting wave beams can be simulated without full -wave codes
10:00am - 10:30am	Beverage Break	Forrestal Ballroom Foyer
10:30am - 12:00pm		Chair: Fatima Ebrahimi
10:30am - 11:00am	Allan Reiman	Suppression of tearing modes by RF current condensation
11:00am - 11:30am	Elizabeth Paul	Adjoint methods for efficient stellarator optimization and sensitivity analysis
11:30am - 12:00pm	Nathaniel Ferraro	Simulations of fast thermal quench using two-temperature model
12:00pm - 1:30pm	Lunch Break	<i>(on your own)</i>
1:30pm - 3:30pm	Poster Session I	Salons E-H
3:30pm - 4:00pm	Beverage Break	Salons E-H
4:00pm - 6:00pm	Poster Session II	Salons E-H
6:30pm - 8:30pm	Reception	Steve Cowley's Home (<i>transportation provided</i>)
Tuesday, April 16		Salons A-D

8:30am - 9:30am		Chair: Bill Dorland
8:30am - 9:30am	Carl Bender	PT symmetry: physics in the complex domain
9:30am - 10:00am	Beverage Break	Forrestal Ballroom Foyer
10:00am - 12:00pm	Poster Session III	Salons E-H
1:15pm - 3:15pm	PPPL Tour	<i>Pick-up outside the front entrance of The Westin Hotel.</i>
4:00pm - 6:00pm		Chair: François Waelbroeck
4:00pm - 4:30pm	Michael Kotschenreuther	Regimes of weak ITG/TEM modes for transport barriers without velocity shear in low ρ^* plasmas
4:30pm - 5:00pm	Walter Guttenfelder	Predictions of electron scale pedestal turbulence in DIII-D ELMy H-modes
5:00pm - 5:30pm	Jeronimo Garcia	New theoretical insights on the role of ion isotope on transport and turbulence
5:30pm - 6:00pm	Scott Parker	Plasma theory connections to quantum information science
6:00pm - 6:30pm	David Zarzoso	Particle transport induced by energetic geodesic acoustic modes
7:00pm - 10:00pm	Banquet Dinner and Student Poster Awards	Nassau Room

Wednesday, April 17		Salons A-D
8:30am - 10:00am		Chair: Jacob King
8:30am - 9:00am	Alexander Schekochihin	Gyrokinetics of thermalization of turbulent energy in astrophysical plasmas: a fusion-astro synergy success story
9:00am - 9:30am	Michael Hardman	Cross scale interaction mechanism in coupled electron and ion scale turbulence
9:30am - 10:00	Adrian Fraser	Role of stable modes in the saturation and transport properties of shear flow turbulence
10:00am - 10:30am	Beverage Break	Forrestal Ballroom Foyer
10:30am - 12:00pm		Chair: Federico Halpern
10:30am - 11:00am	Tess Bernard	Gyrokinetic continuum simulations of plasma turbulence in the Texas Helimak
11:00am - 11:30am	Mike Campanell	Cooling the target plasma to a sub-eV detachment temperature using thermionic electrons
11:30am - 12:00pm	Alessandro Geraldini	Kinetic model of grazing-angle magnetic presheaths
12:00pm - 1:30pm	Lunch Break	<i>(on your own)</i>
1:30pm - 5:00pm	Nathaniel Ferraro	DPP-CPP Town Hall