

## Program ~ Sherwood 2018 Conference

Location: The Hotel at Auburn University and Dixon Conference Center

The program consists of 3 Invited Plenary presentations, 15 Invited Speaker presentations selected out of 48 submissions. The total number of abstract submissions is 110.

All group meetings and technical sessions will be held in the Dixon Conference Center. The Plenary and Invited presentations will be held in the Auditorium. The Poster Sessions will be held in Grand Ballroom 1/2.

**Program** as pdf document.

<b>Saturday, April 21</b>		
8:00am - 6:00pm		NIMROD Code Development Meeting, Location: Terrace 2/3
8:00am - 11:00am		On-Site Registration Location: Oak Room 1/2
<b>Sunday, April 22</b>		
8:00am - 6:00pm		CTTS Group Meeting Location: Legacy 2
8:00am - 11:00am 5:00pm - 8:00pm		On-Site Registration Location: Oak Room 1/2
5:30pm - 8:30pm		Sherwood Reception Location: Pre-Function Foyer
<b>Monday, April 23</b>		Auditorium
8:15am - 8:30am		Luca Guazzotto <i>Welcome and Announcements</i>
8:30am - 10:00am		Chair: Luca Guazzotto
8:30am - 9:30am	Richard Hawryluk	What will we learn from ITER?
9:30am - 10:00am	Emily Belli	Critical Role of Sonic Rotation on Ion and Impurity Transport
10:00am - 10:30am	Beverage Break	Pre-Function Foyer
10:30am - 12:00pm		Chair: Alan Brizard
10:30am - 11:00am	Jan Weiland	Toroidal Drift Modes Driven by the Magnetic Drift Resonances
11:00am - 11:30am	Maxim Umansky	Detached plasma regimes in innovative long-legged divertor configurations
11:30am - 12:00pm	R. Jorge	A gyrokinetic model for the tokamak periphery
12:00pm - 1:30pm	Lunch Break	<i>(on your own)</i>
1:30pm - 3:30pm	Poster Session I	Grand Ballroom 1/2
3:30pm - 4:00pm	Beverage Break	Grand Ballroom 1/2
4:00pm - 6:00pm	Poster Session II	Grand Ballroom 1/2

<b>Tuesday, April 24</b>		Auditorium
8:30am - 9:30am		Chair: Jungpyo Lee
8:30am - 9:30am	Edward Thomas	Dust in fusion plasmas: Insights from the Magnetized Dusty Plasma Experiment
9:30am - 10:00am	Beverage Break	Pre-Function Foyer
10:00am - 12:00pm	Poster Session III	Grand Ballroom 1/2
4:00pm - 6:00pm		Chair: Tünde Fülöp
4:00pm - 4:30pm	Andrew Ware	Computational modelling of quasi-single helicity states in an RFP
4:30pm - 5:00pm	Caoxiang Zhu	Hessian matrix approach for determining error field sensitivity to coil deviations
5:00pm - 5:30pm	Paolo Ricci	New insights on SOL plasma turbulence
5:30pm - 6:00pm	Gabriele Merlo	Towards a first-principles-based Whole Device Model for fusion plasmas
7:00pm - 8:00pm	Banquet Reception	Pre-Function Foyer
8:00pm - 10:00pm	Banquet Dinner and Student Poster Awards	Legacy 1/2

<b>Wednesday, April 25</b>		Auditorium
8:30am - 10:00am		Chair: Brendan Lyons
8:30am - 9:30am	Carl Sovinec	Tokamak Disruption Simulation: Progress toward Comprehensive Modeling
9:30am - 10:00am	Matthew Beidler	Nonlinear Mode Penetration Caused by Transient Magnetic Perturbations
10:00am - 10:30am	Beverage Break	
10:30am - 12:00pm		Chair: Nikolai Gorelenkov
10:30am - 11:00am	Linda Sugiyama	Fast instabilities by nonlinear interchange instability
11:00am - 11:30am	Linjin Zheng	MHD Stability of Negative Triangularity Tokamaks
11:30am - 12:00pm	Diego del-Castillo-Negrete	Production rate of runaway electrons in dynamics scenarios: a probabilistic backward Monte Carlo method