Program ~ Sherwood 2016 Conference
Location: The Madison Concourse Hotel, Madison, Wisconsin

The program consists of 2 Invited Review presentations, 14 Invited Talk presentations selected out of 36 submissions, and Poster presentations. The total number of presentations is 117.

The Review and Invited talks will be held in Madison Ballroom, 2nd Level. The Poster Sessions will be held in Wisconsin/Capitol A Ballrooms, 2nd Level.

The Program of invited and poster presentations for the conference is given below.

Saturday, April 2		
8:00a – 6:00p		NIMROD Code Development Meeting, Private Dining Room, Lobby Level

Sunday, April 3		
8:00a – 6:00p		CEMM Meeting, Private Dining Room, Hotel Lobby Level
5:00p – 7:00p		**Sherwood Reception / Registration Assembly Room, Lobby Level**

Monday, April 4		
8:15a – 8:30a		Madison Ballroom
		Chris Hegna:*Welcome and Announcements*
8:30a – 10:00a		Chair: Chris Hegna, University of Wisconsin
8:30a – 9:30a	David Anderson	University of Wisconsin, *The Role of Theory and Computation in Advancement of the Stellarator Concept*
9:30a – 10:00a	Fatima Ebrahimi	Princeton University, *Physics of plasmoid-mediated reconnection and flux closure in simulations of Coaxial Helicity Injection*
10:00a – 10:30a	Beverage Break	Madison Ballroom Foyer
10:30a – 12:00p		Chair: John Finn, Los Alamos National Laboratory
10:30a – 11:00a	Stuart Hudson	Princeton Plasma Physics Laboratory, *Penetration and amplification of resonant perturbations in 3D ideal-MHD equilibria*
11:00a – 11:30a	Andrew Cole	Columbia University, *Error field penetration and locking to the backward wave*
11:30a – 12:00p	Jacob King	Tech-X Corporation, *Nonlinear NIMROD modeling of DIII-D QH-mode discharges with broadband-MHD turbulence*
12:00p – 1:30p	Lunch	(*on your own*)
1:30p – 6:00p		Wisconsin/Capitol A Ballrooms
1:30p – 3:30p	Poster Session I	
3:30p – 4:00p	Beverage Break	
4:00p – 6:00p	Poster Session II	
6:00p – 7:00p	Bruno Coppi / Open Discussion	Envisioned New Directions for Fusion Research

Tuesday, April 5		
8:30a – 9:30a		Chair: David E. Newman, University of Alaska

8:30a – 9:30a	Eddy Carmack	Institute of Ocean Sciences, Canada, *The Big New Arctic: The Non-Linear Future Has Arrived*
9:30a – 10:00a	Beverage Break	Wisconsin/Capitol A Ballrooms
10:00a – 12:00p	Poster Session III	Wisconsin/Capitol A Ballrooms
12:00p – 1:30p	Lunch	(*on your own*)
1:30p – 3:30p	Tour: University of Wisconsin Experimental Facilities	Badger Bus Pick-Up The Madison Concourse Hotel 1 West Dayton Street
4:00p – 6:00p		Chair: Andris Dimits, Lawrence Livermore National Laboratory
4:00p – 4:30p	Robert Dewar	Australian National University, *Spectrum of multi-region-relaxed magnetohydro-dynamic modes in slab geometry*
4:30p – 5:00p	Jugal Chowdhury	University of Colorado, *Gyrokinetic Delta-f Particle Simulation of Microtearing Turbulence*
5:00p – 5:30p	Benjamin Faber	University of Wisconsin, *Nonlinear coherent structures from linearly stable modes in stellarator TEM turbulence*
5:30p – 6:00p	Paul Terry	University of Wisconsin, *Large-Scale Sinks in Saturation Scalings of ITG Turbulence*
7:00p – 10:00p	**Reception,Banquet and Student Poster Awards**	**Capitol Ballroom**

Wednesday, April 6		
8:30a – 10:00a		Chair: James Hanson, Auburn University
8:30a – 9:00a	Sean Dettrick	Tri Alpha Energy, *Theory and Simulation of High-Performance Beam-Driven FRCs*
9:00a – 9:30a	Lee Ricketson	New York University, *Multilevel and Sparse Grid Techniques for Particle-in-Cell simulations*
9:30a – 10:00a	Vinicius Duarte	Princeton Plasma Physics Laboratory, *First realistic characterizations of chirping instabilities in tokamaks*
10:00a – 10:30a	Beverage Break	Madison Ballroom Foyer
10:30a – 12:00p		Chair: David Hatch, University of Texas
10:30a – 11:00a	Boris Breizman	University of Texas, *Production and damping of runaway electrons in a tokamak*
11:00a – 11:30a	Chang Liu	Princeton University, *Adjoint method and runaway electron dynamics in momentum space, Princeton University*
11:30a – 12:00p	Zehua Guo	Los Alamos National Laboratory, *Primary runaway electron generation and saturation in a tokamak*