

AWIMS Schedule

8:00-8:30	Registration and Light Refreshments	HL	
8:30-8:40	Opening Remarks	HL 116	L. Capogna
8:40-9:40	Plenary Talk: “ <i>The Case for T-Product Tensor Decompositions: Compression, Analysis and Reconstruction of Image Data</i> ”	HL 116	M. Kilmer
9:40-10:40	Contributed Talks A Contributed Talks B Contributed Talks C	HL 114 HL 154 HL 116	
10:40-11:00	Coffee Break	HL	
11:00-11:50	Tutorial 1 Tutorial 2	HL 116 HL 218	E. Soljanin K. Lindsey
12:00-1:00	Lunch break	HH	
1:00-2:00	Plenary Talk: “ <i>Nonlinear Wave Phenomena: the Ubiquitous Dispersive Equations</i> ”	HL 116	G. Staffilani
2:00-2:50	Tutorial 3 Tutorial 4	HL 116 HL 218	A. Arnold G. Spencer
2:50-3:30	Poster Session and Coffee Break	HL	
3:30-4:10	Contributed Talks D Contributed Talks E Contributed Talks F Contributed Talks G	HL 218 HL 114 HL 154 HL 202	
4:10-4:40	Invited Talk: “ <i>Career Benefits to Engagement in Professional Societies</i> ”	HL 116	C. Roberts
4:40-5:40	Panel: Women in Academia and Industry M. Kilmer, L. Ness, S. Olson, G. Staffilani, C. Topaz, L. Venkataraman, S. Weekes	HL 116	
5:40 - 5:45	Closing Remarks	HL 116	

HL = Higgins Laboratories

HH = Higgins House

Contributed Talks Schedule

Contributed Talks A

9:40 - 10:40 HL 114

Chair: Xiaodan Zhou

9:40 - 9:55 Taryn Flock, University of Massachusetts Amherst

Title: The Nonlinear Brascamp-Lieb Inequality for Simple Data

10:00 - 10:15 Patricia Garmirian, Tufts University

Title: Sub-Diffusive Processes in Hilbert Space and their Associated Stochastic Differential Equations

10:20 - 10:35 Xueying Yu, University of Massachusetts Amherst

Title: Global Well-Posedness and Scattering for the Quintic NLS in Two Dimensions

Contributed Talks B

9:40 - 10:40 HL 154

Chair: Andrea Arnold

9:40 - 9:55 Stephanie Dodson, Brown University

Title: Stability of Spiral Waves in Models of Cardiac Tissue

10:00 - 10:15 Sha Cao, Indiana University

Title: Development of a Deconvolution Algorithm for Digital Dissection of Tissue-Based Gene-Expression Data

10:20 - 10:35 Melissa McGuirl, Brown University

Title: A Topological Analysis of Model Sensitivity and Classification for Pattern Formation on Zebrafish

Contributed Talks C

9:40 - 10:40 HL 116

Chair: F. Patricia Medina

9:40 - 9:55 Laurie Tupper, Williams College

Title: Changes in the Wind: Similarity and Clustering for Spatial Time Series Data

10:00 - 10:15 Anna Konstorum, Center for Quantitative Medicine, UConn Health

Title: Comparative Analysis of Dimension Reduction Techniques on Mass Cytometry Data

10:20 - 10:35 F. Patricia Medina, WPI

Title: Deep Learning in 3D LIDAR Point Cloud Data

Contributed Talks D

3:30 - 4:10 HL 218

Chair: Elisa Negrini

3:30 - 3:45 Minghao Rostami, Syracuse University

Title: Fast Algorithms for the Dense Matrices Arising from the Method of Regularized Stokeslets

3:50 - 4:05 Lina Ma, Trinity College

Title: Coarse Graining Langevin Dynamics

Contributed Talks E

3:30 - 4:10 HL 114

Chair: Lucia Carichino

3:30 - 3:45 Kaitlyn Hood, MIT

Title: A Hairy Situation: Modeling Fluid Flow Around Rigid Cylinders

3:50 - 4:05 Mario Bencomo, ICERM

Title: Discretization of Multiple Sources in a Finite Difference Setting for Wave Propagation Problems

Contributed Talks F

3:30 - 4:10 HL 154

Chair: Stephan Sturm

3:30 - 3:45 Alisa Knizel, Columbia University

Title: Continuous-Space Tasep in Inhomogeneous Environment

3:50 - 4:05 Weijie Pang, WPI

Title: Sensitivity of the Eisenberg-Noe Clearing Vector to Individual Interbank Liabilities

Contributed Talks G

3:30 - 4:10 HL 202

Chair: Min Wu

3:30 - 3:45 Wenjing Li, WPI

Title: Large Scale Ensemble Learning

3:50 - 4:05 Wei Dai, WPI

Title: Improving Public Security Based on WI-Fi Signal