

Topological protection in messy matter: Final schedule

The workshop will take place Monday May 14 and Tuesday May 15, 2018 in Marcus Nanotechnology Building Rooms 1116-1118, on the Georgia Tech Campus.

Wifi is provided through eduroam (with account through your home institution) and “GTvisitor”.

Monday

8:00AM - 8:50 Registration

8:50 - 9:20 Welcome and overview, Seth Marder, Phillip First and Zeb Rocklin

Monday morning session chair: Zeb Rocklin

9:20 - 10:00 William Irvine, “Amorphous topological insulators”

10:00 - 10:40 Massimo Ruzzene, “Vibration Location in Quasi-Periodic Beams and Plates”

10:40 - 11:00 Coffee break

11:00 - 11:40 Emil Prodan, “Topological Patterns”

11:40 - 12:20 Jean Bellissard, “Persistence of topological invariants under disorder”

12:20 - 1:40 Lunch

Monday afternoon session chairs: Phillip First and Zhigang Jiang

1:40 - 2:20 Jayson Paulose, “Topological patterning of polymers on a substrate”

2:20 - 3:00 Xiaoming Mao, “Topological edge floppy modes in disordered fiber networks”

3:00 - 3:20 Coffee break

3:20 - 4:00 Suri Vaikuntanathan, "Topological protected modes in non-equilibrium stochastic systems"

4:00 - 4:40 Suraj Shankar, "Flocks on a sphere sound topological!"

4:40 - 6:00 Breakout session #1

6:00 Dinner

Tuesday May 15

Tuesday Session Chairs: Massimo Ruzzene and Vincenzo Vitelli

8:20AM - 9:00 Anton Souslov, "Active fluids as topological metamaterials: structure without periodic order"

9:00 - 9:40 Alberto Fernandez-Nieves, "Defect unbinding in active nematic tori"

9:40 - 10:00 Break

10:00 - 10:40 Taylor Hughes, "Higher Order Topological Insulators: Quadrupoles and Beyond"

10:40 - 11:20 Mikhael Rechtsman, "Observation of optical Weyl points and other topics in topological photonics"

11:20 - 12:20 Breakout Session #2

12:20 - 1:40 Lunch

