

# Workshop on Topology

## Identifying Order in Complex Systems

Organized by

Randall Kamien, Robert MacPherson, and Konstantin Mischaikow

**Saturday, April 1, 2017**

Hill Center 705, Rutgers University

10:00–11:00. Saugata Basu

*Complexity in different contexts*

11:30–12:30. Ciprian Borcea

*Auxetic deformations and elliptic curves*

2:00–3:00. Lisa Tran

*A change in stripes for cholesteric shells via modulated anchoring*

3:30–4:30. Jo Nelson

*Contact invariants and Reeb dynamics*

4:45–5:45. Mauro Maggioni

*Multiscale methods for dictionary learning, regression and optimal transport for data near low-dimensional set*