

# Einstein Fellowship Symposium Day 1

Oct 28-29 2014  
Phillips Auditorium  
Center for Astrophysics

## **Session 1** 9:20 - 10:40

9:20 - 9:40	Reinout van Weeren	<i>Low-Frequency Radio Observations of Galaxy Cluster Merger Shocks</i>
9:40 - 10:00	Lorenzo Sironi	<i>Electron Heating and Acceleration in Accretion Disks and Galaxy Clusters</i>
10:00 - 10:20	Grant Tremblay	<i>Star Formation amid Kinetic Black Hole Feedback</i>
10:20 - 10:40	Ji-hoon Kim	<i>Challenges in Numerical Galaxy Formation and the AGORA Project</i>

**10:40 - 11:00 Coffee Break**

## **Session 2** 11:00 - 12:20

11:00 - 11:20	Krzysztof Nalewajko	<i>Radiative Signatures of Relativistic Magnetic Reconnection</i>
11:20 - 11:40	Blakesley Burkhart	<i>From Parsecs to Megaparsecs: New Diagnostics for MHD Turbulence in the ISM and ICM</i>
11:40 - 12:00	Mario Manuel	<i>Exploring Astrophysical Magnetohydrodynamics in the Laboratory</i>
12:00 - 12:20	Yanfei Jiang	<i>A Global 3D Radiation MHD Simulation of Super-Eddington Accretion Disks</i>

**12:20 - 2:00 Lunch**

2:00 - 2:40	KEYNOTE SPEAKER: Andrea Dupree	<i>Probing Young Accreting Stars with X-rays</i>
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## **Session 3** 2:00 - 3:20

2:40 - 3:00	Sagi Ben-Ami	<i>Transient Classification in the Age of Large FoV Sky Surveys</i>
3:00 - 3:20	Wen-fai Fong	<i>A Decade of Short-duration Gamma-ray Burst Afterglow</i>

**3:20 - 3:40 Coffee Break**

## **Session 4** 3:40 - 5:00

3:40 - 4:00	Maria Petropoulou	<i>High-Energy Signatures from Leptohadronic Interactions in GRB Models</i>
4:00 - 4:20	Alexander Tchekhovskoy	<i>What Turns off Gamma-Ray Bursts?</i>
4:20 - 4:40	Francois Foucart	<i>The Outcome of Neutron Star Mergers</i>
4:40 - 5:00	Luke Roberts	<i>Three-Dimensional Simulations of Core Collapse Supernovae</i>