



# Jerusalem TDE Workshop

November 02-05, 2015

## Talks

### TDE School / Sunday, November 01, 2015

**Orders of Magnitude in TDEs /**  
Re'em Sari

**Galactic Dynamics 101 /**  
Tal Alexander

**Accretion 101 /**  
Julian Krolik  
[LINK](#)

**Observing TDEs 101 /**  
Iair Arcavi  
[LINK](#)

### Monday November 2, 2015

**Simulations of Tidal Disruption /**  
Roseanne Cheng  
[PDF, Video](#)

**The Role of Magnetic Fields in the Tidal Disruptions of Stars /**

James Guillochon

[PDF](#), [Video](#)

**Accretion Disk Formation Following TDEs Around Spinning Supermassive Black Holes /**

Kimitake Hayasaki

[PDF](#), [Video](#)

**Disc Formation from Tidal Disruptions of Stars on Eccentric Orbits /**

Clément Bonnerot

[PDF](#), [Video](#)

**The Jerusalem Bagel Model - Elliptical Accretion /**

Tsvi Piran

[PDF](#), [Video](#)

**Physics Colloquium: The Galactic Center- A Unique Astrophysical Laboratory /**

Stefan Gillessen

**TDE Optical Characteristics and Peculiar Host Galaxy Preference /**

Iair Arcavi

[PDF](#)

**The Best and the Brightest: Tidal Disruption Events Discovered by ASAS-SN /**

Thomas Holoién

[PDF](#)

**Late-Time Observations of PS1-10jh Favor Fallback Accretion of a Tidally Disrupted Hydrogen-Poor Star /**

Suvi Gezari (Skype)

[PDF](#), [Video](#)

**UV Spectroscopy of Tidal Disruption Events /**

Brad Cenko

[PDF](#), [Video](#)

**Optical/UV TDE Hunting with Gaia /**

Nadejda Blagorodnova Mujortova

[PDF](#), [Video](#)

**Tuesday, November 3, 2015**

**Outer Shocks as the TDE Power Source /**

Gilad Svirski

[PDF](#), [Video](#)

**Modeling the Optical Emission From TDEs /**

Nathaniel Roth

[PDF](#), [Video](#)

**Soft X-ray Temperature TDEs from Stars Disrupted on Deep Plunging Orbits /**

Lixin Dai

[PDF](#), [Video](#)

**TDEs in X-Rays and Reprocessed Emission Lines /**

Stephanie Komossa

[PDF](#), [Video](#)

**Recent Results on X-ray TDE From the XMM-Newton Slew Survey /**

Richard Saxton

[PDF](#), [Video](#)

**X-rays and the Future of Tidal Disruption Events /**

Peter Maksym

[PDF](#), [Video](#)

## **Wednesday, November 4, 2015**

**Two-body Relaxation Event Rates: Theory vs Observation /**

Nicholas Stone

[PDF](#), [Video](#)

**Relativistic Loss-Cone Dynamics /**

Tal Alexander

[PDF](#), [Video](#)

**The History of Tidal Disruption Events in Galactic Nuclei /**

Danor Aharon

[PDF](#), [Video](#)

**Enhanced and Impostor Tidal Disruption Events /**

Sterl Phinney

[PDF](#), [Video](#)

**General Relativistic MHD Simulations of a Close Tidal Disruption /**

Aleksander Sadowski

[PDF](#), [Video](#)

**Where are the Jetted TDEs? /**

Aleksey Generozov

[PDF](#), [Video](#)

**What Can We Learn From Radio Observations of Tidal Disruption Events? /**

Assaf Horesh

[PDF](#)

**Radio Observations as a Diagnostic for Relativistic Jets in TDEs /**

Kate Alexander for Ashley Zauderer

[PDF](#)

**Radio Observations of Tidal Disruption Event ASASSN-14li: The First Optical TDE Detected in the Radio /**

Kate Alexander

[PDF](#), [Video](#)

**Variable Radio Emission From a Thermal Tidal Disruption Flare /**

Sjoert van Velzen

[Video](#)

**A Spectroscopic Survey for Tidal Disruption Events in the Sloan Digital Sky Survey /**

Or Graur

[PDF](#), [Video](#)

**Transient Searches - How to Add and Subtract Images /**

Barak Zackay

[Video](#)

## **November 5, 2015**

**Double Tidal Disruptions in Galactic Nuclei /**

Ilya Mandel

[PDF](#), [Video](#)

**The Tidal Disruption of a Helium-Core White Dwarf with Hydrogen Envelope /**

Jamie Law-Smith

[PDF](#), [Video](#)

**Micro - Tidal Disruption Events by Stellar Compact Objects and the Production of Ultra-Long GRBs/XRFs /**

Hagai Perets

**Lense-Thirring Precession During Tidal Disruption Events /**

Giuseppe Lodato (Skype)

[PDF](#), [Video](#)

**The Tidal Disruption of the Gas Cloud G2 in the Galactic Center /**

Stefan Gillessen

[Video](#)

**Infrared excess sources at the Galactic Center and their impact on Sagittarius A\* /**

Gunther Witzel

[PDF](#), [Video](#)

**Conference Summary /**

Julian Krolik

[PDF](#), [Video](#)