

# Conference Program

(SOC/invited speakers shown in bold)

<b>1/14 Time Slot</b>	<b>Subject Area and Title</b>	<b>Speaker</b>
9:00-9:05	Opening remarks	<b>Kimi Hayasaki</b>
	<b>"Fundamentals of TDE flares"</b>	
	<a href="#">Theory of fundamental TDE physics</a>	<b>Chair: Peter Jonker</b>
35 min 9:05-9:40	Theoretical review of TDEs	<b>Nick Stone</b>
25 min 9:40-10:05	Formation of an accretion flow in tidal disruption events	<b>Clément Bonnerot</b>
25 min 10:05-10:30	Modeling accretion disks, winds and jets in tidal disruption events	<b>Jane Dai</b>
10:30-10:55	COFFEE BREAK	
	<a href="#">Observational survey of optical/UV TDEs</a>	
45 min 10:55-11:40	Demographics of tidal disruption events - an observational view	<b>Tiara Hung</b>
25 min 11:40-12:05	Population analysis of TDEs from ZTF	<b>Sjoert van Velzen</b>
20 min 12:05-12:25	<b>Poster presentation time (*see the detail on the last page)</b>	
12:25-13:55	LUNCH BREAK	
	<a href="#">Observational survey of optical/UV TDEs (continued)</a>	<b>Chair: Iair Arcavi</b>
25 min 13:55-14:20	New Insights from High Cadence, Very Early Time Observations of TDEs	<b>Thomas Holoien</b>
	<a href="#">Challenges to simple TDE models</a>	
25 min 14:20-14:45	Three Open Questions and Some Speculative Answers	<b>Julian Krolik</b>
25 min 14:45-15:10	Eccentric Paths to Tidal Disruption and Warped TDE disks	<b>Dong Lai</b>
20 min 15:10-15:30	Dynamical Structure of Eccentric TDE Discs	Elliot Lynch
15:30-15:55	COFFEE BREAK	
20 min 15:55-16:15	Eccentric Tidal Disruption Event Disks around Supermassive Black Holes: Dynamics and Thermal Emission	John (J.J.) Zanzazi
20 min 16:15-16:35	A relativistic disc model of Tidal Disruption Events	Andrew Mummery
25 min 16:35-17:00	Radiation hydrodynamic simulations of tidal disruption of a star by a supermassive black hole	<b>Kimi Hayasaki</b>
30 min 17:00-17:30	Discussion	Discussion Coordinator: <b>Iair Arcavi</b>
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	<b>"Relativity in TDEs"</b>	
	<a href="#">Relativistic outflows and shocks</a>	<b>Chair: Jane Dai</b>
45 min 9:00-9:45	Non-thermal emission from TDEs: New insights from ALMA	<b>Kate Alexander</b>
20 min 9:45-10:05	Selected topics in TDEs	Bing Zhang
10:05-10:25	COFFEE BREAK	
	<a href="#">Relativistic TDE physics</a>	

25 min 10:25-10:50 General relativistic simulations of tidal disruption events  
 20 min 10:50-11:10 Tidal Stream Circularization by Supermassive Schwarzschild Black Holes  
 20 min 11:10-11:30 Ultra-deep tidal disruption events: prompt self-intersections and observables  
 25 min 11:30-11:55 Exploring TDEs as Gravitational Wave Emitters  
 11:55-13:25 LUNCH BREAK  
 X-ray observations  
 35 min 13:25-14:00 Late-time X-ray observations of tidal disruption flares  
 35 min 14:00-14:35 The X-ray emission from Tidal Disruption Events  
 20 min 14:35-14:55 Continuum-Fitting the X-ray Spectra of Tidal Disruption Events  
 25 min 14:55-15:20 Understanding the multi-wavelength properties of X-ray bright TDEs  
 15:20-15:40 COFFEE BREAK  
 Future TDE science  
 25 min 15:40-16:05 The Einstein Probe mission and prospects for the detection of TDEs  
 25 min 16:05-16:30 MAXI Hard X-ray Observations of TDEs  
 20 min 16:30-16:50 Tidal Disruption Events in the eROSITA Era  
 20 min 16:50-17:10 Observing TDEs in the era of LSST  
 30 min 17:10-17:40 Discussion  
 18:10-20:10 Banquet

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"Populations of TDEs: Trends and Outliers"

TDE rates and demographics

25 min 9:00-9:25 Forward-modeling tidal disruption events and their detections in surveys to understand selection effects  
 20 min 9:25-9:45 Tidal disruption events on cosmological scales  
 20 min 9:45-10:05 Tidal Disruption Events from Eccentric Nuclear Disks  
 20 min 10:05-10:25 Mass segregation and TDEs in eccentric nuclear disks  
 10:25-10:50 COFFEE BREAK  
 20 min 10:50-11:10 An Energy Inventory of Tidal Disruption Events  
 20 min 11:10-11:30 Supermassive black holes and stellar objects in galaxy mergers  
 New developments in disruption theory  
 20 min 11:30-11:50 Observable implications of stellar and black hole mass in fully general relativistic hydrodynamics simulations  
 20 min 11:50-12:10 Composition in TDEs using FLASH+MESA  
 12:10 - 13:40 LUNCH BREAK

Theory of Exotic TDEs

25 min 13:40-14:05 High-resolution numerical studies for tidal detonation of a white dwarf  
 20 min 14:05-14:25 Emission from thermonuclear explosions in white dwarf tidal disruption events

**Giuseppe Lodato**

Mike Kesden

Siva Darbha

**Elena Rossi**

**Chair: Sjoert van Velzen**

**Peter Jonker**

**Richard Saxton**

Sixiang Wen

**Katie Auchetti**

**Weimin Yuan**

Taiki Kawamuro

Adam Malyali

Katja Bricman

Discussion Coordinator: **Jane Dai**

10 mins walk from YITP

**Chair: Nick Stone**

**Nathan Roth**

Hugo Pfister

Heather Wernke

Aleksey Generozov

Brenna Mockler

Shuo Li

Taeho Ryu

Jamie Law-Smith

**Chair: Kimi Hayasaki**

**Ataru Tanikawa**

Kojiro Kawana

		<a href="#">Difference between TD and AGN flares</a>	
20 min	14:25-14:45	Tidal disruption events in active galactic nuclei	Chi-ho Chan
	14:45-15:05	COFFEE BREAK	
		<a href="#">New directions in TDE observations</a>	
25 min	15:05-15:30	Results from Multi-wavelength Timing Analysis of Tidal Disruption Events	<b>DJ Pasham</b>
20 min	15:30-15:50	The destruction and recreation of the X-ray corona in an accreting massive black hole	Claudio Ricci
20 min	15:50-16:10	Radio emission from likely TDEs in galaxies revealed with nuclear mid-IR outbursts	Xinwen Shu
20 min	16:10-16:30	Tidal disruptions in galaxy mergers and luminous infrared galaxies	Seppo Mattila
30 min	16:30-17:00	Discussion	Discussion Coordinator: <b>Peter Jonker</b>
10 min	17:00-17:10	Closing remarks	<b>Nick Stone and Kimi Hayasaki</b>

<b>Poster presentation</b>			
<b>1/14</b>	<b>Time Slot</b>	<b>Title</b>	<b>Speaker (alphabetical order)</b>
2 min	12:05-12:07	The Strong Dust Echo From Some TDEs/ TDE candidates	Liming Dou
2 min	12:07-12:09	Discovery and Follow-up Observations of ASASSN-19dj	Jason Hinkle
2 min	12:09-12:11	Bound debris in stellar tidal disruption events	Taj Jankovič
2 min	12:11-12:13	Multiwavelength Study of an Off-nuclear Active Galactic Nucleus in NGC 5252	Minjin Kim
2 min	12:13-12:15	A Tidal Disruption Event Candidate Discovered in the Active Galactic Nucleus SDSS J0227-0420	Zhu Liu
2 min	12:15-12:17	Tidal Disruption Flares from Stars on Eccentric to Hyperbolic Orbits	Gwanwoo Park
2 min	12:17-12:19	Accretion Disk Winds in Tidal Disruption Events: Ultraviolet Spectral Lines as Orientation Indicators	Edward John Parkinson
2 min	12:19-12:21	X-ray spectral variation of the changing-look Seyfert galaxy SDSSJ1552+2737	Yanli Ai
2 min	12:21-12:23	TBA	Yuhai Yuan
2 min	12:23-12:25	The orbital eccentricity and penetration factor of the tidally disrupted stars	Shiyan Zhong