

Opening Remarks

Kimi Hayasaki
(Chungbuk National University, Korea)

Organizers

SOC

Iair Arcavi (Tel Aviv U)
Edo Berger (Harvard U/CfA)
Jane Dai (HKU)
Suvi Gezari (UMD)
Kunihito Ioka (YITP)
Peter Jonker (SRON/Nijmegen U)
Kimitake Hayasaki (CBNU, chair)
Abraham Loeb (Harvard U/CfA/BHI)
Stefan Rosswog (Stockholm U)
Nicholas Stone (Hebrew U, co-chair)
Sjoert van Velzen (NYU/UMD)

LOC

Kunihito Ioka (YITP)
Naoki Seto (Kyoto U)
Takahiro Tanaka (Kyoto U/YITP)
Ryo Yamazaki (AGU)

Secretary

Kuniko Turuhara (YITP)
Yaoi Yagi (YITP)
Yuko Fujita (YITP)

Scientific motivation

1. Probe of quiescent supermassive black holes (SMBHs) and intermediate-mass black holes (IMBHs)
2. Among the brightest transients in optical/UV/soft X-ray
3. Candidates for multi-messenger astronomy: gravitational wave and cosmic-ray/neutrino sources
4. Natural laboratory for general relativistic effects



<https://eventhorizontelescope.org/>

Open issues

- Diversity of thermal and non-thermal emissions from TDEs
- Origin of optical/UV emission in TDEs
- Event rates and host galaxy preferences
- Testing General Relativity through TDEs
- Multi-messenger studies on TDEs
- TDE impostors and purity of samples

Goals of the conference

- To share the latest discoveries and results
- To promote new collaborations among participants
- To create new motivation to study TDEs

