

Venue of the Meeting:

Hoam Guest House Seoul National University

Meeting Room Suryeon (Water Lily)

Wednesday, December 20, Morning Session 10:00 – 13:00

Every talk 25 minutes plus 5 minutes discussion, break 30 minutes

- Hyung Mok Lee, Rainer Spurzem: Opening, Welcome (15 mins)
- Thijs M.B.N. Kouwenhoven (XJTLU): Habitability of tidally locked exoplanets around low-mass stars
- Qi Shu (KIAA): Dynamic evolution of free-floating comets in star cluster
- **Break (approx. 11:15 – 11:45)**
- Rainer Spurzem (NAOC/KIAA): Globular Star Clusters as sources of gravitational waves and more
- Taras Panamarev (FAI/NAOC/Heidelberg): Direct N-body simulation of the Galactic Center

Wednesday, December 20, Afternoon Session 14:30 – 17:30

Every talk 25 minutes plus 5 minutes discussion, break 30 minutes

- Yeong-Bok Bae (KASI): Introduction to SLGT: Binary Black Hole coalescence and GW detection in 0.1-10 Hz
- Jongsuk Hong (KIAA): The dynamical origin of multiple population in Magellanic Clouds clusters
- **Break (approx. 15:30 – 16:00)**
- Xiaoying Pang (SIT): Exotic binary evolution in Dragon simulations
- Dawoo Park (SNU): Binary black holes in globular clusters
- So-Myoung Park (KHU): The Early Dynamical Evolution of Star Clusters near the Galactic Centre

Thursday, December 21, Morning Session 10:00 – 13:00

Every talk 25 minutes plus 5 minutes discussion, break 30 minutes

- Pau Amaro-Seoane (ICE/KIAA): The gravitational capture of stellar-mass compact objects by supermassive and intermediate-mass black holes
- Xian Chen (DoA/PKU): Distortion of gravitational waves by astrophysical environments
- **Break (approx. 11:00 – 11:30)**
- Gihyuk Cho (SNU): Highly Precise Inspiral-Waveform
- Han-Gil Choi (SNU): Initial data for Binary Black hole simulation
- Denis Jurin (FAI): Constructing equilibrium N-body models with central black holes

Thursday, December 21, Afternoon Session 14:30 – 18:00

Every talk 25 minutes plus 5 minutes discussion, break 30 minutes

- Kimitake Hayasaki (Chongbuk): Classification of tidal disruption events by the stellar orbits
- Shiyang Zhong (YNAO): The orbital properties of the tidally disrupted stars
- **Break (approx. 15:30 – 16:00)**
- Mukhagaly Kalambay (FAI/alFarabi): Numerical simulations of active galactic nuclei with rotating central star cluster
- Shuo Li (NAOC): Tidal disruption in galaxy mergers with Multi-mass and stellar evolution model – Preliminary results
- Gwanho Park (SNU): Numerical Integration of Binary Neutron Stars in Eccentric Orbit
- Final Discussion/Farewell (30 mins)

Friday, December 22, Morning Session 10:00 – 13:00

Free group meetings and discussion sessions, meeting room Suryeon of Hoam Faculty House.