Wednesday, November 25

Room 207

Room hours: 09:00-18:00

Morning | Black-hole populations and GW inference Chair: Soichiro Morisaki	
08:55 - 09:00	**Martin Pessah** Opening Remark
09:00 - 09:40	**Maximiliano Isi** (Invited) | Columbia Title to be confirmed
09:40 - 10:00	**Tristan Bruel** | Universitá degli Studi di Milano-Bicocca On the danger of using individual GW events to learn about formation channels and progenitors
10:00 - 10:30	Coffee break
10:30 - 10:50	**Sasha Levina** | UC San Diego To peak or not to peak: How star formation history modeling shapes binary black hole masses
10:50 - 11:10	**Tyler Smith** | USC Massquerade: Impacts of Mass Ratio Reversals on Binary Black Hole Merger Rates and Mass Distributions
11:10 - 11:30	**Tousif Islam (online)** | UT Austin / IAS Princeton Agentic Surrogate Modeling of Gravitational-Wave Recoil and Its Impact on Hierarchical Black-Hole Growth in Dense Stellar Environments
11:30 - 13:30	Lunch
Afternoon | Dynamical formation and binary environments Chair: Johan Samsing	
13:30 - 14:10	**Dong Lai** (Invited) | TDLI Dynamical Formation of Merging Compact Binaries
14:10 - 14:30	**Adam Distler** | Harvard Astronomy Strong Scatterings in Dense Star Systems
14:30 - 15:00	Coffee break
15:00 - 15:20	**Evgeni Grishin** | Monash University Binary and mean-motion resonance captures of binary Black Holes in AGN discs
15:20 - 15:40	**Mor Rozner** | IAS & Cambridge The Universal Eccentricity Distribution for Dynamical Gravitational-Wave Merger Channels
15:40 - 16:00	**Giulia Fumagalli** | Caltech Eccentric compact binary evolution in gaseous environments

Thursday, November 26

Room 207

Room hours: 09:00-18:00

Morning | Formation channels and stellar evolution Chair: Tomoya Kinuagawa	
09:00 - 09:40	**Isobel Romero-Shaw** (Invited) | Cardiff U Title to be confirmed
09:40 - 10:00	**Alejandro Vigna-Gomez** | Niels Bohr International Academy Back to Basics: Identifying the Origins of Binary Black Hole Mergers Through Their Mass Spectrum
10:00 - 10:30	Coffee break
10:30 - 10:50	**Taras Panamarev** | Fesenkov Astrophysical Institute Formation and Evolution of Black Hole Binaries in Direct N-body Models of Globular Clusters
10:50 - 11:10	**Soichiro Morisaki** | ICRR, University of Tokyo Testing the Isotropy of Massive Binary Black Hole Orientations with Precession Azimuths at Merger
11:10 - 11:30	**Jakob Stegmann** | Max Planck Institute for Astrophysics / IAS Princeton Do LIGO black hole mergers form from stellar triple evolution?
11:30 - 13:30	Lunch
Afternoon | Supermassive black holes and observational probes Chair: Tatsuya Matsumoto	
13:30 - 14:10	**Wenbin Lu** (Invited) | UCB Little Red Dots as the Progenitors of Supermassive Black Holes
14:10 - 14:30	**Siyuan Chen** | Shanghai Astronomical Observatory, Chinese Academy of Sciences Distinguishing different sources for a PTA GW signal
14:30 - 15:00	Coffee break
15:00 - 15:20	**Blaze Houlden** | University of Melbourne/OzGrav The properties of the first continuous gravitational waves: Optimizing pulsar timing observations for supermassive black hole binary detection
15:20 - 15:40	**Niccolò Veronesi** | ISTA (Institute of Science and Technology Austria) SMBH binaries, LSST, and the number of PTA sources in AGN
15:40 - 16:00	**Erika Sottocorno** | SISSA - Scuola Internazionale Superiore di Studi Avanzati Can a time evolving, asymmetric broad line region mimic a massive black hole binary?

Friday, November 27

Room 279

All times JST (UTC+9)

Morning | Accretion simulations and disk emission Chair: Dan D'Orazio	
09:00 - 09:40	**Andrew MacFadyen** (Invited) | NYU Simulations of Binary Black Hole Accretion
09:40 - 10:00	**Mark Avara** | ISTA A Magnetic Unification of Merging Supermassive Black Hole Binaries
10:00 - 10:30	Coffee break
10:30 - 10:50	**Michail Chabanov** | Niels Bohr Institute - University of Copenhagen Toward Radiative Binary Black Hole Accretion Simulations: Magnetic Flux and Cooling Effects
10:50 - 11:10	**Miranda McCarthy** IMBH formation and IMRI rates in the AGN Channel with McFACTS
11:10 - 11:30	**Milton Ruiz** | Fuyao University of Science and Technology Multimessenger Signatures of Tilted, Self-Gravitating, Black Hole Disks
11:30 - 13:30	Lunch
Afternoon | Stellar binaries and multimessenger transients Chair: Wenbin Lu	
13:30 - 14:10	**Ataru Tanikawa** (Invited) | Fukui Prefectural U Title to be confirmed
14:10 - 14:30	**Lucy McNeill** | Kyoto University Angular momentum mixing in collapsar progenitor stars
14:30 - 15:00	Coffee break
15:00 - 15:20	**Konrad Topolski** | Universität Hamburg Multimessenger Signatures of Black Hole–Neutron Star Mergers Close to the Mass-Shedding Limit
15:20 - 15:40	**Donggeun Tak** | Kyung Hee University Understanding gamma-ray bursts with the 7-Dimensional Telescope
15:40 - 16:00	Free Discussion (no chair)
19:00 - 21:00	Banquet (Sumiyaki to Robata Tento, Iidabashi)

Monday, November 30

Room 207

Room hours: 09:00-12:00, 13:00-18:00

Morning | Tidal disruptions, EMRIs, and nuclear transients Chair: Martin Pessah	
09:00 - 09:40	**Clément Bonnerot** (Invited) | U of Birmingham TDE
09:40 - 10:00	**Francesco Marzocco** | University of Perugia Tidal Disruption of White Dwarfs by Intermediate-Mass Black Holes
10:00 - 10:30	Coffee break
10:30 - 10:50	**Jordan Moncrieff** | The University of Western Australia, and OzGrav: Australian Research Council Centre of Excellence for Gravitational Wave Discovery Signatures of multiple Extreme Mass Ratio Inspirals (EMRIs) in mean-motion resonances
10:50 - 11:10	**Davide Panella** | Niels Bohr Institute (Center of Gravity) & Università degli Studi di Perugia Compact binary dynamics around SMBHs in strong gravity: resonant and secular tidal effects
11:10 - 11:30	**Conor Dyson** | University of Birmingham A Relativsitic Newton's Third Law for Asymmetric Binaries in Environments
11:30 - 13:30	Lunch
Afternoon | Dynamics of black holes in dense environments Chair: Lucio Mayer	
13:30 - 14:10	**Re'em Sari** (Invited) | Hebrew U GW sources and other transients from Galactic Centers
14:10 - 14:30	**Charlie Sharpe** | University of Oxford The Depletion of Collisionless Dark Matter Spikes by Individual Merger
14:30 - 15:00	Coffee break
15:00 - 15:20	**Alexander Migala** | University of California, San Diego Upcoming Sensitivity to the Metallicity of Double Compact Object Binary Progenitors
15:20 - 15:40	**Barry Ginat (online)** | University of Oxford Binary Black Hole Mergers as a Probe of Globular Clusters

Tuesday, December 1

Room 207

Room hours: 09:00-12:00, 13:00-18:00

Morning | Massive black-hole binary evolution Chair: Clemon Bonnerot	
09:00 - 09:40	**Lucio Mayer** (Invited) | UZH Pinning down the sub-pc evolution of LISA massive black hole binaries and their waveforms with Exascale 3D hydro simulations
09:40 - 10:00	**Thibaut Francois** | University of Surrey From Galaxy Mergers to Gravitational Waves: Scaling Relations for Black Hole Binaries
10:00 - 10:30	Coffee break
10:30 - 10:50	**Daisaburo Kido** | RESCEU, University of Tokyo Black Hole envelopes in Little Red Dots
10:50 - 11:10	**Chris Tiede** | NBIA / JILA How accreting super-massive black hole binaries may appear distinct from typical AGN
11:10 - 11:30	**David O'Neill** | The Institute of Science and Technology Austria The Electromagnetic Emission and Orbital Evolution of Eccentric Supermassive Black Hole Binaries in Retrograde Disks
11:30 - 13:30	Lunch
Afternoon | Accretion and compact objects in gaseous disks Chair: Stephan Rosswog	
13:30 - 14:10	**Alexander Dittmann** (Invited) | IAS Accreting black hole binaries in AGN disks
14:10 - 14:30	**Philip Kirkeberg** | Niels Bohr Institute Stellar Mass Black Holes in Magnetized AGN Disks: Insights from Local 3D MHD Simulations
14:30 - 15:00	Coffee break
15:00 - 15:20	**Henry Whitehead** | Institute of Science and Technology Austria Tidal Disruption of Accretion Discs
15:20 - 15:40	**Connar Rowan** | Niels Bohr Institute Modelling the AGN channel in 3D
15:40 - 16:00	**Elliot Lynch** | Institute of Science Tokyo Nonlinearly Eccentric Circumbinary Discs
16:00 - 16:20	**Lazaros Souvaitzis** | Max Planck Institute for Astrophysics (Maynooth University from 05/10/2026) Binary evolution in warped circumbinary discs via 3D moving-mesh hydrodynamical simulations
19:00 - 21:00	Banquet (Yoshiike Syokudo, Ueno area)

Wednesday, December 2

Room 207

Room hours: 09:00-12:00

Morning | Massive black-hole growth and survey searches Chair: Re'em Sari	
09:00 - 09:40	**Kohei Inayoshi** (Invited) | KIAA TBD: Topics on Little Red Dots
09:40 - 10:00	**Lewis Cooper** | Institute of Astronomy, University of Cambridge Hunting Dual Quasar Candidates with Wide-Field Imaging and Gaia Astrometry
10:00 - 10:30	Coffee break
10:30 - 10:50	**Ekaterine Dadiani** | Carnegie Mellon University From Kiloparsec to Sub-Parsec: A DESI Search for SMBH Pairs as LISA Progenitors
10:50 - 11:10	**Lorenzo Bertassi** | Università degli Studi di Milano-Bicocca Searching for periodic modulations from Massive Black Hole Binaries across LSST bands through multi-output Gaussian processes
11:10 - 11:30	**Beatrice Sala** | INAF-OABrera Searching for massive black hole binaries in LSST-like simulated AGN light curves
11:30 - 11:50	**Saemi Bang** | Chungbuk National University Opacity-Shaped IR/Optical Signatures from Circumbinary Disks around LISA-Band Binary Black Holes
11:50 - 12:10	**Andris Dorozsmai** | National Astronomical Observatory of Japan Hierarchical mergers as tracers of globular cluster formation history

Thursday, December 3

Room 279

All times JST (UTC+9)

Morning | Neutron-star mergers and kilonovae Chair: TBD	
09:00 - 09:40	**Matt Nicholl** (Invited) | Queen's University Belfast Wide-field follow-up of BNS and sub-solar GW events with Pan-STARRS, ATLAS and now Rubin
09:40 - 10:00	**Nanae Domoto** | RESCEU, University of Tokyo Spectroscopic signatures of heavy elements in kilonovae
10:00 - 10:30	Coffee break
10:30 - 10:50	**Giacomo Ricigliano** | University of Tokyo Dust in nebular kilonovae
10:50 - 11:10	**Surojit Saha** | Institute of Astronomy, National Tsing Hua University Physics-Informed Neural Network for Kilonova Light Curves Modeling
11:10 - 11:30	**Stephan Rosswog** | University of Hamburg Neutron star mergers with Lagrangian Numerical Relativity simulations: gravitational wave and electromagnetic signatures
11:30 - 13:30	Lunch
Afternoon | Multimessenger astronomy and population inference Chair: Chris Irwin	
13:30 - 14:10	**TBD** (Invited) | Tel Aviv University TBD: Topics on EM counterparts (theory)
14:10 - 14:30	**Aman Agarwal** | Max Planck Institute for Gravitational Physics, AEI Potsdam, Germany Inferring the role of binary neutron star mergers in r-process nucleosynthesis with multi-messenger observations using Cosmic Explorer and Einstein Telescope
14:30 - 15:00	Coffee break
15:00 - 15:20	**Ariel Perera** | Weizmann Institute of Science Enhancing Short Gamma-Ray Burst Detection with Fermi/GBM for Multimessenger Searches
15:20 - 15:40	**Chiara Anselmo** | University of Milano-Bicocca Population inference of eccentric binary black holes using asymptotic constants of motion
15:40 - 16:00	**Federico De Santi** | University of Milano - Bicocca Turning the likelihood around: a population-sampling approach to gravitational-wave hierarchical inference
16:00 - 16:20	**Kazuya Kobayashi** | Institute for Cosmic Ray Research, University of Tokyo Investigating the Structure of the Binary Black Hole Spin Population with Gravitational-Wave Data

Friday, December 4

Room 207 (morning)

Room hours: 09:00-12:00 | Afternoon discussion room: TBC

Morning | Future GW searches Chair: Kipp Cannon	
09:00 - 09:20	**Paul Martens** | The Chinese University of Hong Kong Gravitational-wave lensing in active galactic nuclei
09:20 - 09:40	**Laura Uronen** | The Chinese University of Hong Kong Associating binary black holes with galactic centres
09:40 - 10:00	**Kai Hendriks** | Lund University Alternative methods for the LISA galactic-binary global fit
10:00 - 10:30	Coffee break
10:30 - 10:50	**Brian McGloughlin** | Max Planck Institute for Gravitational Physics Einstein@Home all-sky "bucket" search for continuous gravitational waves in LIGO O3 public data
10:50 - 11:10	**Shio Sakon** | ICRR UTokyo Title to be confirmed
11:10 - 11:30	**Uddeepta Deka** | Shanghai Astronomical Observatory - Chinese Academy of Sciences Reduced-order surrogate modelling of microlensed gravitational waves
12:00 - 14:00	Lunch
14:00 - 19:00	Discussion of future GW science (no chair) | Room: TBC