**Conference Program**

#### Date:  June 30 - July 5, 2019 Venue:  Shanghai Jinjiang Hotel

There will be a reception on June 30 from 4:30 pm to 6:30 pm in the conference venue.

**Invited: 20+5 mins; Contributed: 10+2 mins; Discussion: 30 mins;**

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| **Mon. July 1** |  |  |
| **9:00-9:10** | **Welcome and opening remarks** | **Juntai Shen & Monica Valluri** |
| **9:10-9:35** | **Opening keynote talk: open questions in Galactic dynamics** | **Ken Freeman (ANU)** |
| **9:35-10:00** | **Gaia and the Galactic disk** | **Jo Bovy (Univ. of Toronto)** |
| 10:00-10:12 | A GLamARous view of the Milky Way - Robust ages for millions of stars in the extended solar neighbourhood | Martin Smith (SHAO) |
| 10:12-10:24 | Dancing Snails on Cold Orbits | Zhao-Yu Li (SJTU) |
| 10:24-11:00 | Day 1 morning coffee |  |
| **11:00-11:25** | **The Milky Way disk** | **Hans-Walter Rix** (**MPIA**) |
| 11:25-11:37 | The echo of the bar buckling: Phase-space spirals in Gaia DR 2 | Sergey Khoperskov (MPE) |
| 11:37-11:49 | Milky Way structure based on thousands of Cepheids and RR Lyrae stars from OGLE | Pawel Pietrukowicz (Warsaw Univ. Obs.) |
| 11:49-12:01 | Footprints of the Sgr Dwarf Galaxy on the Milky Way disk | Chervin Laporte (UVic/CITA) |
| 12:01-12:13 | Connecting the topography of phase-space in Gaia DR2 to the underlying orbital structure | Francesca Fragkoudi (MPIA) |
| 12:13-12:25 | 3D map of the Galactic warp’s precession from classical Cepheids MW warp | Xiaodian Chen (NAOC) |
| 12:25-2:00 | Day 1 lunch |  |
| **2:00-2:25** | **Spirals and secular evolution in disks** | **Jerry Sellwood** (**Univ. of Arizona**) |
| 2:25-2:37 | Constraining the Milky Way non-axisymmetries with Gaia | Benoit Famaey (Obs. Astro. de Strasbourg) |
| **2:37-3:02** | **Radial migration** | **Victor Debattista** (UCLan) |
| **3:02-3:32** | ***Open discussion: The Milky Way Disk*** | **Moderator: Hans-Walter Rix** |
| **3:32-4:00** | Day 1 afternoon coffee |  |
| **4:00-4:12** | Kinematical Signatures of Disc Instabilities and Secular Evolution in the MUSE TIMER Survey | Dimitri Gadotti (ESO) |
| **4:12-4:24** | How do spiral arm contrasts relate to bars, disc breaks and other fundamental galaxy properties? | Adrian Bittner (ESO) |
| **4:24-4:49** | **Key dynamical results from MaNGA** | **Shude Mao** (**Tsinghua Univ.**) |
| **4:49-5:14** | **Warps and tides** | **Larry Widrow** (**Queen’s Univ.**) |
| **5:14-5:39** | **Cosmological simulations of MW, comparison with observations and open issues in cosmological simulations of disks** | **Oscar Agertz** (**Lund Univ.**) |

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| **Tue. July 2** |  |  |
| **9:00-9:25** | **Galaxy systematics** | **Stacy McGaugh** (**Case Western Reserve Univ.**) |
| **9:25-9:37** | Distribution of baryonic and dark matter in spiral and irregular nearby galaxies | Marie Korsaga (Univ. of Cape Town) |
| **9:37-10:02** | **Gas in disk galaxies/cusp/core controversy** | **Kristine Spekkens** (**RMC & Queen's Univ.**) |
| **10:02-10:27** | **Key dynamical results from SAMI** | **Jesse van de Sande** (**Univ. of Sydney**) |
| **10:27-11:00** | Day 2 morning coffee |  |
| **11:00-11:25** | **Key dynamical results from CALIFA** | **Ling Zhu** (**SHAO**) |
| **11:25-11:37** | The measurement of Dark Matter profile of NGC1380 with ALMA and VLT/MUSE | Takafumi Tsukui (The Grad. Univ. for Advanced Studies) |
| **11:37-12:02** | **Key results from Galaxy Zoo** | **Karen Masters** (**Haverford Col.**) |
| **12:02-12:32** | ***Open discussion: “What have we learned about disks from large surveys?”*** | **Moderator: TBD** |
| **12:32-2:00** | Day 2 lunch |  |
| **2:00-2:25** | **The Magellanic Clouds** | **Gurtina Besla** (**Univ. of Arizona**) |
| **2:25-2:37** | Revisiting the innermost Kinematics of the M31 Galaxy with the OMM Fabry-Perot interferometer | Sié Zacharie Kam (Univ. Ouaga I) |
| **2:37-2:49** | Gas rich dwarf Leo-T: First infall or back-splash? | Matias Blana (MPE) |
| **2:49-3:14** | **Structure, kinematics and metallicity of observed and simulated stellar halos** | **Robyn Sanderson** (**Univ. of Pennsylvania**) |
| **3:14-3:26** | Light and Dark: The Interplay between Baryons and Dark Matter in Galaxies over Cosmic Times | Rhea-Silvia Remus (Univ. Obs. Munich) |
| **3:26-4:00** | Day 2 afternoon coffee |  |
| **4:00-4:25** | **The Milky Way bar/bulge** | **Ortwin Gerhard** (**MPE**) |
| **4:25-4:50** | **VVV survey** | **Dante Minniti** (**Univ. Andres Bello**) |
| **4:50-5:02** | Transverse bar/bulge kinematics with Gaia and VVV | Jason Sanders (Univ. of Cambridge) |
| **5:02-5:27** | **The inner MW from APOGEE** | **Melissa Ness** (**Columbia Univ.**) |

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| **Wed. July 3** |  |  |
| **9:00-9:25** | **Dynamics of galactic nuclei** | **Scott Tremaine** (**IAS**) |
| **9:25-9:50** | **Stellar motion near the BH of the MW** | **Stefan Gillessen** (**MPE**) |
| **9:50-10:02** | Origin and evolution of disk and S stars in the Galactic Center | Doug Lin (Univ. of California, Santa Cruz) |
| **10:02-10:14** | Gas flow patterns in the Milky Way | Zhi Li (Tsung-Dao Lee Inst.) |
| **10:14-10:26** | WISDOM: Weighing Supermassive Black Holes with ALMA | Martin Bureau (Univ. of Oxford) |
| **10:26-10:38** | Testing the robustness of dynamical black hole mass measurements with  ALMA and MUSE | Sabine Thater (Leibniz-Institut für Astro. Potsdam) |
| **10:38-11:10** | Day 3 morning coffee |  |
| **11:10-11:35** | **Schwarzschild modeling of bars from IFU kinematics** | **Eugene Vasiliev** (**Univ. of Cambridge**) |
| **11:35-11:47** | Measuring the Bar Pattern Speed of MaNGA Galaxies from Stellar and Halpha Kinematic | Yanfei Zou (SHAO) |
| **11:47-11:59** | The face-on views of X-shaped bulges | Panagiotis Patsis (Research Center for Astro., Academy of Athens) |
| **11:59-12:11** | The intricate relationship between galaxy dynamics and intrinsic shape (and why so-called “prolate-rotation” is a misnomer) | Caroline Foster (Univ. of Sydney) |
| **12:11-12:23** | Combining stellar populations and dynamical modelling | Richard McDermid (Macquarie Univ.) |
| **12:23-12:35** | Temporal Insights into the Secular Evolution of Bars from the MaNGA  Galaxy survey | Amelia Fraser-McKelvie (Univ. of Nottingham) |
| ***12:35-1:05*** | ***Open discussion on galactic nuclei, bars & bulges*** | **Moderator: Ortwin Gerhard** |
|  | **Free Afternoon** |  |
| **7:00-9:30** | **Banquet** |  |

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| **Thu. July 4** |  |  |
| **9:00-9:25** | **Secular evolution and pseudo-bulges** | **Francoise Combes** (**Paris Obs.**) |
| **9:25-9:50** | **Bars and peanuts** | **Peter Erwin** (**MPE**) |
| **9:50-10:15** | **The puzzle of unbarred galaxies** | **Juntai Shen** (**SHAO & SJTU**) |
| 10:15-10:27 | Inner bars also buckle. The case of NGC1291 | Jario Mendez-Abreu (Inst. de Astro. de Canarias) |
| 10:27-10:39 | Evidence of a fast bar in the early-interacting galaxy NGC 4264 with MUSE | Virginia Cuomo (Univ. of Padova) |
| 10:39-11:10 | Day 4 morning coffee |  |
| **11:10-11:35** | **Origin of MBH-sigma relation** | **John Kormendy** (**Univ. of Texas at Austin**) |
| **11:35-12:00** | **Black hole-galaxy scaling relations: clues to the physics behind quiescence** | **Bryan Terrazas** (**Univ. of Michigan**) |
| **12:00-12:25** | **Resolved kinematics of early type galaxies** | **Michele Cappellari** (**Oxford Univ.**) |
| 12:25-2:00 | Day 4 lunch |  |
| **2:00-2:25** | **Formation of ellipticals: roles of major vs. minor mergers** | **Thorsten Naab** (**MPIA**) |
| **2:25-2:50** | **Elliptical galaxies/stellar halos connection** | **Magda Arnaboldi** (**ESO**) |
| 2:50-3:02 | Chemodynamics and dark matter in massive early-type galaxies | Aaron Romanowsky (San Jose State Univ.) |
| **3:02-3:32** | ***Open discussion: “The prospects for (chemo)dynamical modeling of hot stellar systems: elliptical galaxies and bulges”*** | **Moderator: Monica Valluri** |
| 3:32-4:00 | Day 4 afternoon coffee |  |
| **4:00-4:25** | **Dwarf spheroidal galaxies/dynamics, dark matter distribution** | **Ewa Lokas** (**Nicolaus Copernicus Astro. Center**) |
| **4:25-4:50** | **Ultra Diffuse Galaxies (UDGs)** | **Pieter van Dokkum** (**Yale Univ.**) |
| 4:50-5:02 | Galaxies missing dark matter | Shany Danieli (Yale Univ.) |
| 5:02-5:14 | Accreted Globular Clusters in External Galaxies: Why Adaptive Dynamics  is not the Solution | Sophia Lilleengen (ESO) |
| **5:14-5:39** | **Hyper-supreme Cam and the LF of galaxy satellites** | **Masashi Chiba** (**Tohoku Univ.**) |
| **5:39-6:04** | **Gaia and the Galactic Stellar halo** | **Vasily Belokurov** (**Univ. of Cambridge**) |

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| **Fri. July 5** |  |  |
| **9:00-9:25** | **New ultra-faint dwarfs from DES survey** | **Ting Li** (**Fermi National Accelerator Lab**) |
| **9:25-9:50** | **The Stellar Halo of the Milky Way as Seen by Large Surveys** | **Wyn Evans** (**Univ. of Cambridge**) |
| 9:50-10:02 | Dynamics of most metal-poor stars in the MW | Nicholas Martin (Strasbourg Astro. Obs.) |
| 10:02-10:14 | Kinematics of Highly r-Process-Enhanced Halo Stars: Evidence for Origins in Now-Destroyed Ultra-Faint Dwarf Galaxies | Kaley Brauer (MIT) |
| 10:14-10:26 | The SAGA Survey for Satellites around Analogs of the Milky Way Galaxy: Satellite Properties and Kinematics | Benjamin Weiner (MMT/Steward Obs.) |
| 10:26-11:00 | Day 5 morning coffee |  |
| **11:00-11:25** | **Streams and the MW dark matter halo** | **Heidi Newberg** (**Rensselaer Polytechnic Institute**) |
| **11:25-11:50** | **Halo substructure and tidal streams** | **Ray Carlberg** (**Univ. of Toronto**) |
| 11:50-12:02 | Dynamical evidence for a dark substructure in the Milky Way halo | Ana Bonaca (Harvard Univ.) |
| 12:02-12:14 | Stars formed in outflows may populate galactic stellar halos | Sijie Yu (UC Irvine) |
| **12:14-12:39** | **Modeling the Milky Way** | **James Binney** (**Oxford Univ.**) |
| 12:39-2:00 | Day 5 lunch |  |
| 2:00-2:12 | The Galactic Acceleration Field Measured from RR Lyrae in Gaia | Christopher Wegg (OCA) |
| 2:12-2:24 | The optimal tracer of the Milky Way halo mass | Jiaxin Han (SJTU) |
| 2:24-2:36 | Galactic Mass and Anisotropy Profile with Halo K-Giant and Blue Horizontal Branch Stars from LAMOST/SDSS and Gaia | Sarah Bird (NAOC) |
| 2:36-2:48 | The shape of the dark matter halo revealed from hypervelocity stars | Kohei Hattori (Univ. of Michigan) |
| 2:48-3:00 | Galaxy Dynamics at z=4.8 | Federico Lelli (ESO) |
| **3:00-3:25** | **Dynamical properties of high redshift galaxies** | **Stijn Wuyts** (**Univ. of Bath**) |
| 3:25-3:37 | Stellar Kinematics at High Redshift from the LEGA-C Survey and Beyond | Rachel Bezanson (Univ. of Pittsburgh) |
| 3:37-4:00 | Day 5 afternoon coffee |  |
| 4:00-4:12 | The Kinematic Assembly of Galaxy Disks | Susan Kassin (STScI) |
| **4:12-4:37** | **Stellar kinematics and metallicities from LAMOST** | **Yang Huang** (**SWIFAR & YNU**) |
| **4:37-5:02** | **Chemical evolution & SFH in disks** | **Patricia Sanchez-Blazquez** (**Auto. Univ. of Madrid**) |
| 5:02-5:14 | A Dynamical Model for Clustered Star Formation in the Galactic Disk | Harshil Kamdar (Harvard Univ.) |
| 5:14-5:30 | Closing remarks |  |