

# Concurrent session 1: Astrophysics and Astronomy

Friday, July 27, 2018

<b>14:00 – 18:15</b>	<b>Concurrent session 1: Astrophysics and Astronomy</b>
<b>Venue:</b>	<b>Anthony Lau Building (E4), E4-3052</b>
<b>Chairpersons:</b>	<b>1. Kwing Lam Chan   2. Tao Cai   3. Long Long Feng</b>
<b>14:00 – 14:50</b>	<b>Keynote presentation</b>
14:00 – 14:25	<b>Turbulence on Cosmic Scales</b> Long Long Feng, Sun Yat-sen University. MC: Kwing Lam Chan
14:25 – 14:50	<b>Multimessenger observations of a flaring blazar coincident with a high-energy neutrino</b> Pablo M. Saz Parkinson, The University of Hong Kong. MC: Kwing Lam Chan
<b>14:50 – 16:05</b>	<b>Invited presentations</b>
14:50 – 15:05	<b>Numerical Modeling of the Carbon Dioxide Cycle in the Martian Atmosphere</b> Kim Chiu Chow, Macau University of Science and Technology. MC: Tao Cai
15:05 – 15:20	<b>The Tai Chi in Star Formation</b> Hua-bai Li, Chinese University of Hong Kong. MC: Tao Cai
15:20 – 15:35	<b>Characterizing the Radiative and Timing Anomaly of Magnetars</b> Chin-Ping Hu, The University of Hong Kong. MC: Tao Cai
15:35 – 15:50	<b>Convective Dynamics of Gaseous Planets</b> Kwing Lam Chan, Macau University of Science and Technology. MC: Tao Cai
15:50 – 16:05	<b>Variable Mass Accretion Rates in Star Formation</b> Yang Gao, Sun Yat-sen University. MC: Tao Cai
16:05 – 16:25	Tea/coffee break, poster, discussion
<b>16:25 – 16:50</b>	<b>Keynote presentation</b>
	<b>Magnetars: the Strongest Magnets in the Universe</b> Stephen C.-Y. Ng, The University of Hong Kong. MC: Long Long Feng
<b>16:50 – 18:05</b>	<b>Invited presentations</b>
16:50 – 17:05	<b>Energy Dissipation Processes in Solar Wind Turbulence</b> Yi Wang, Harbin Institute of Technology, Shenzhen. MC: Long Long Feng
17:05 – 17:20	<b>What Can We Learn about Red Giants from Asteroseismology</b> Tao Wu, Yunnan Observatories, CAS. MC: Long Long Feng
17:20 – 17:35	<b>Gamma-ray Burst Jet Breaks Revisited and GRB Observing Plan</b> Xiang-Gao Wang, Guangxi University. MC: Long Long Feng
17:35 – 17:50	<b>Numerical Simulations of Efficient Turbulent Convection</b> Tao Cai, Macau University of Science and Technology. MC: Long Long Feng

17:50 – 18:05	<b>Prodigious and Continuous Formation of Super Star Clusters from Cooled Intracluster Gas</b> Jeremy Lim, The University of Hong Kong. MC: Long Long Feng
18:05 – 18:15	<b>Contributed presentations</b>
	<b>Searching for Soft Pulsars with the Fermi Large Area Telescope</b> Brent Limyansky, University of California. MC: Long Long Feng
After 18:20	<b>Banquet Dinner (Hotel: Galaxy Macau, Bus pick-up point &amp; time: E4 G/F Lobby @ 18:20 pm)</b>

## Saturday, July 28, 2018

09:00 – 12:10	<b>Concurrent session 1: Astrophysics and Astronomy</b>
<b>Venue:</b>	<b>Anthony Lau Building (E4), E4-3052</b>
<b>Chairpersons:</b>	<b>1. Cong Yu   2. Man Hoi Lee</b>
09:00 – 09:25	<b>Keynote presentation</b>
	<b>Dynamics of Circumstellar Planets in Binary System</b> Man Hoi Lee, University of Hong Kong. MC: Cong Yu
09:25 – 10:25	<b>Invited presentations</b>
09:25 – 09:40	<b>The Structure and Dynamical Roles of Circumplanetary Discs</b> Hsiang-Hsu Wang, Chinese University of Hong Kong. MC: Cong Yu
09:40 – 09:55	<b>Characteristics Time of Stellar Flares on Solar-like Stars</b> Yan Yan, National Astronomical Observatory, CAS. MC: Cong Yu
09:55 – 10:10	<b>Multi-fluid MHD Simulation of the Magnetic Flux Rope in the Ionosphere of Venus and Mars</b> Liang Hai Xie, Macau University of Science and Technology. MC: Cong Yu
10:10 – 10:25	<b>The Dependence of Flux Transfer Events on Interplanetary Magnetic Field Clock Angles</b> Tian Ran Sun, National Space Science Center, CAS. MC: Cong Yu
10:25 – 10:45	Tea/coffee break, poster, discussion
10:45 – 11:10	<b>Keynote presentation</b>
	<b>The Formation of Super-Earths by Tidally Forced Turbulence</b> Cong Yu, Sun Yat-sen University. MC: Man Hoi Lee
11:10 – 12:10	<b>Invited presentations</b>
11:10 – 11:25	<b>HKU's Laboratory for Space Research - an interdisciplinary nexus for the future</b> Quentin Parker, The University of Hong Kong. MC: Man Hoi Lee
11:25 – 11:40	<b>Dynamic Processes of Martian Dust Storms in the Northern Mid-latitude Region during the Storm Season</b> Jing Xiao, Macau University of Science and Technology. MC: Man Hoi Lee
11:40 – 11:55	<b>Shock Acceleration with Focused Transport Model</b> Ping Bing Zuo, Harbin Institute of Technology, Shenzhen. MC: Man Hoi Lee
11:55 – 12:10	<b>Circumstellar Disks in Close Binaries: Prograde v.s. Retrograde</b> Xiaojia Zhang, The University of Hong Kong. MC: Man Hoi Lee
12:15- 14:00	<b>Buffet Lunch (venue: UM Chao Kuang Piu College, W21-G019)</b>