Concurrent session 1: Astrophysics and Astronomy

27 July (Friday)

14:00 – 18:05	Concurrent session 1: Astrophysics and Astronomy
Venue:	**Anthony Lau Building (E4), E4-3052**
Chairpersons:	**1. Kwing Lam Chan 2. Tao Cai**
14:00 – 14:25	**Keynote presentation**
	Convective Dynamics of Gaseous Planets Kwing Lam Chan, Macau University of Science and Technology. MC: Tao Cai
14:25 – 15:55	**Invited presentations**
14:25 – 14:40	**Numerical Modeling of the Carbon Dioxide Cycle in the Martian Atmosphere** Kim Chiu Chow, Macau University of Science and Technology. MC: Tao Cai
14:40 – 14:55	**Magnetars: the Strongest Magnets in the Universe** Stephen C.-Y. Ng, The University of Hong Kong. MC: Tao Cai
14:55 – 15:10	**The Tai Chi in Star Formation** Hua-bai Li, Chinese University of Hong Kong. MC: Tao Cai
15:10 – 15:25	**Characterizing the Radiative and Timing Anomaly of Magnetars** Chin-Ping Hu, The University of Hong Kong. MC: Tao Cai
15:25 – 15:40	**Dynamic Processes of Martian Dust Storms in the Northern Mid-latitude Region during the Storm Season** Jing Xiao, Macau University of Science and Technology. MC: Tao Cai
15:40 – 15:55	**Variable Mass Accretion Rates in Star Formation** Yang Gao, Sun Yat-Sen University. MC: Tao Cai
15:55 – 16:15	Tea/coffee break, poster, discussion @E4 G/F Lobby
16:15 – 16:40	**Keynote presentation**
	Multimessenger observations of a flaring blazar coincident with a high-energy neutrino Pablo M. Saz Parkinson, The University of Hong Kong. MC: Kwing Lam Chan
16:40 – 17:55	**Invited presentations**
16:40 – 16:55	**Energy Dissipation Processes in Solar Wind Turbulence** Yi Wang, Harbin Institute of Technology, Shenzhen. MC: Kwing Lam Chan
16:55 – 17:10	**What Can We Learn about Red Giants from Asteroseismology** Tao Wu, Yunnan Observatories, CAS. MC: Kwing Lam Chan
17:10 – 17:25	**Gamma-ray Burst Jet Breaks Revisited and GRB Observing Plan** Xiang-Gao Wang, Guangxi University. MC: Kwing Lam Chan
17:25 – 17:40	**Numerical Simulations of Efficient Turbulent Convection** Tao Cai, Macau University of Science and Technology. MC: Kwing Lam Chan
17:40 – 17:55	**Prodigious and Continuous Formation of Super Star Clusters from Cooled Intracluster Gas** Jeremy Lim, The University of Hong Kong. MC: Kwing Lam Chan
17:55 – 18:05	**Contributed presentations**
	Searching for Soft Pulsars with the Fermi Large Area Telescope Brent Limyansky, University of California. MC: Kwing Lam Chan
18:10	**Dinner Banquet @Oasis, Galaxy Hotel (Bus pick-up point & time: E4 G/F Lobby @ 18:10)**

28 July (Saturday)

09:00 – 11:55	Concurrent session 1: Astrophysics and Astronomy
Venue:	Anthony Lau Building (E4), E4-3052
Chairpersons:	1. Cong Yu 2. Man Hoi Lee
09:00 – 09:25	Keynote presentation
	Dynamics of Circumstellar Planets in Binary System Man Hoi Lee, University of Hong Kong. MC: Cong Yu
09:25 – 10:25	Invited presentations
09:25 – 09:40	**The Structure and Dynamical Roles of Circumplanetary Discs** Hsiang-Hsu Wang, Chinese University of Hong Kong. MC: Cong Yu
09:40 – 09:55	**Characteristics Time of Stellar Flares on Solar-like Stars** Yan Yan, National Astronomical Observatory, CAS. MC: Cong Yu
09:55 – 10:10	**Multi-fluid MHD Simulation of the Magnetic Flux Rope in the Ionosphere of Venus and Mars** Liang Hai Xie, Macau University of Science and Technology. MC: Cong Yu
10:10 – 10:25	**The Dependence of Flux Transfer Events on Interplanetary Magnetic Field Clock Angles** Tian Ran Sun, National Space Science Center, CAS. MC: Cong Yu
10:25 – 10:45	Tea/coffee break, poster, discussion @E4 G/F Lobby
10:45 – 11:10	Keynote presentation
	The Formation of Super-Earths by Tidally Forced Turbulence Cong Yu, Sun Yat-Sen University. MC: Man Hoi Lee
11:10 – 11:55	Invited presentations
11:10 – 11:25	**HKU's Laboratory for Space Research - an interdisciplinary nexus for the future** Quentin Parker, The University of Hong Kong. MC: Man Hoi Lee
11:25 – 11:40	**Shock Acceleration with Focused Transport Model** Ping Bing Zuo, Harbin Institute of Technology, Shenzhen. MC: Man Hoi Lee
11:40 – 11:55	**Circumstellar Disks in Close Binaries: Prograde v.s. Retrograde** Xiaojia Zhang, The University of Hong Kong. MC: Man Hoi Lee
12:00- 14:00	Lunch Buffet @W21-G018