RESCEU/Planet^2 International Symposium
"Planet Formation around Snowline"
27 - 30, November 2018, Koshiba Hall, University of Tokyo

Monday, 27 November

Registration and welcome drink (17:00-19:00) @RESCEU seminar room

Tuesday, 28 November : Session 1 "Exoplanet diversity (1)" (chair: Joshua Winn)

9:30-9:40 Yasushi Suto (Univ. Tokyo) Opening Address

9:40-10:10 Andrew Howard (Caltech) [I] Precise Demographics of the Kepler Planets

10:10-10:30 Kento Masuda (Princeton Univ.) [I] Eccentric companions to two Kepler planets: Clues to the formation of warm Jupiters

10:30-10:50 Lauren Weiss (Univ. Montreal) [I] Multiplanet Systems as Laboratories for Planet Formation

10:50-11:20 Takahiro Sumi (Osaka Univ.) [I] Planet distribution outside Snowline by Microlensing

11:20-11:50 Giovanna Tinetti (UCL) [I] A chemical survey of exoplanets

11:50-12:05 Stevanus Nugroho (Tohoku Univ.) [C] High-Resolution Spectroscopic Detection of TiO and Stratosphere in the Day-side of WASP-33b

12:05-12:25 conference photo

(lunch)

Tuesday, 28 November : Session 2 "Solar System" (chair: Yasushi Suto)

13:45–14:25 Steve Desch (Arizona State Univ.) [I] The distribution of refractory elements and inclusions in the solar nebula

14:25–14:55 Tsuyoshi Iizuka (Univ. Tokyo) [I] U–Pb chronology of the early solar system

14:55–15:15 Yann Alibert (Univ. Bern) [I] On the formation timescale of Jupiter

15:15–15:30 Sho Shibata (Univ. Tokyo) [C] Capture of Solids in the Late Stage of Gas Giant Formation

(coffee break)

Tuesday, 28 November : Session 3 "Disk (1)" (chair: Steve Desch)

15:50–16:20 Mitsuhiko Honda (Kurume Univ.) [I] Toward solid observations of snow line

16:20–16:40 Hideko Nomura (TokyoTech) [I] ALMA Observations of S-bearing Molecules in Protoplanetary Disks: a Possible Tracer of Evaporation of Icy Planetesimals

16:40–16:55 Shota Notsu (Kyoto Univ) [C] Possibility to locate the position of the H2O snowline in protoplanetary disks through spectroscopic observations

16:55–17:15 Aya Higuchi (RIKEN) [I] Detection of Submillimeter-wave [CI] Emission in Gaseous Debris Disks of 49 Ceti and β Pic

17:15–17:45 Misato Fukagawa (Nagoya Univ.) [I] What do structures in protoplanetary disks tell us about planet formation?

18:30–20:30 SOC-LOC meeting @kamachiku (invitation only)

Wednesday, 29 November : Session 4 "Disk (2)" (chair: Hiroshi Kobayashi)

9:00–9:30 Satoshi Okuzumi (TokyoTech) [I] Accretion and dust evolution in the HL Tau disk

9:30–9:45 Hidekazu Tanaka (Tohoku Univ.) [C] Size Distribution of Ice-mantled Grains and Its Effect on Dust Growth

9:45–10:15 Takeru Suzuki (Univ. Tokyo) [I] Magnetic disk wind and disk dispersal

10:15–10:30 Masanobu Kunitomo (Univ. Tokyo) [C] Evaluating the imprints of planet formation on the compositions of stars

(coffee break)

Wednesday, 29 November : Session 5 "Planet Formation (1)" (chair: Makiko Nagasawa)

11:00–11:30 Anders Johansen (Lund Obs.) [I] The growth of pebbles and protoplanets near ice lines

11:30–12:00 Chris Ormel (Univ. Amsterdam) [I] Pebble accretion near the snowline

12:00–12:20 Sebastiaan Krijt (Univ. Chicago) [C] Impact of pebble formation and migration on observable gas-phase volatiles on both sides of the snowline

12:20–12:40 Shigeru Ida (ELSI) [I] Volatile delivery to planets in habitable zones during planet formation

12:40–13:00 Hiroshi Kobayashi (Nagoya Univ.) [I] From planetesimals to planets in a turbulent disk

(lunch)

Wednesday, 29 – November : Session 6 "Planet Formation (2)" (chair: Yann Alibert)

14:20–14:50 Julia Venturini (Univ. Zurich) [I] The formation of gas-rich planets

14:50–15:05 Masahiro Ikoma (Univ. Tokyo) [I] Accretion limit of snowy planetary envelope

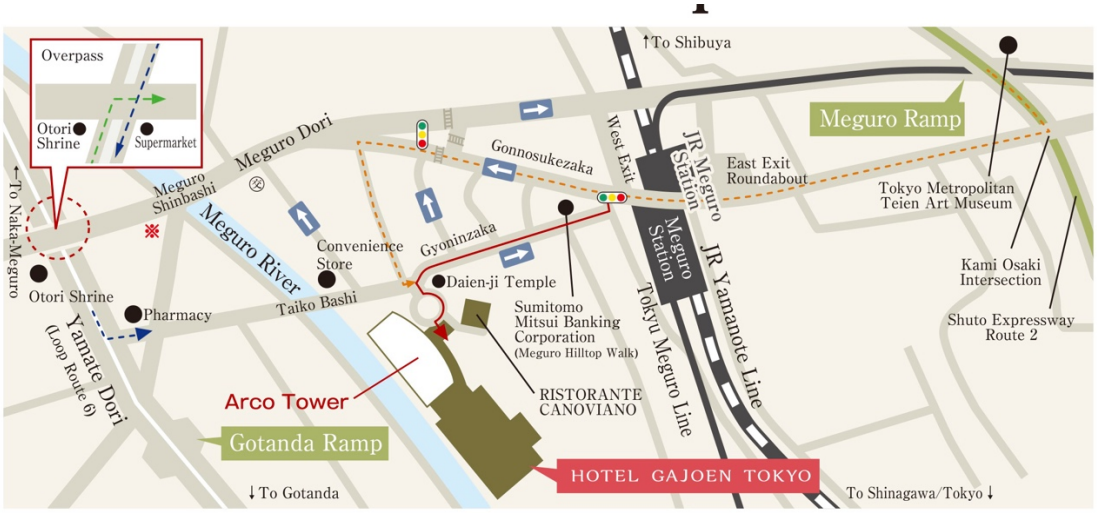
15:05–15:35 James Owen (I. C. London) [I] Formation clues for close-in exoplanets

15:35–15:50 Yuhito Shibaike (TokyoTech) [C] Satellitesimal formation with collisional growth and radial drift of dust particles in steady circumplanetary disks

15:50–16:20 Motohide Tamura (UTokyo/ABC) [I] Direct Imaging Observations of Exoplanets and Disks

18:00–20:00 conference banquet

http://www.hotelgajoen-tokyo.com/foreign/en/restaurant/



Train

3 minute walk down Gyoninzaka from Meguro Station.
(JR Yamanote Line, Tokyu Meguro Line, Nanboku Subway Line, Mita Line)
5 minute walk down Gonnosukezaka.
(Follow the red arrow when using Gyoninzaka.)

Travel Time from Major Stations to Meguro Station	Counter-clockwise : Shibuya 5minute, Shinjuku 11minutes, Ikebukuro 20minutes Clockwise : Shinagawa 7minute, Hamamatsucho 12minutes, Tokyo 20minutes

Car

3 minute from the Meguro Ramp off Shuto Expressway Route 2
(Follow the orange arrow)
Get into the right turning lane immediately after getting off the Meguro Ramp on the Shuto Expressway Route 2.
Turn right at the Kamiosaki Intersection and travel in the direction of Meguro Station. Turn left after the second set of lights.

: One-way street ※: Access restricted depending on the day and time.

Thursday, 30 November : Session 7 "Exoplanet diversity (2)"

(chair: Hajime Kawahara)

9:00–9:30 Joshua Winn (Princeton Univ.) [I] Obliquities of planet–hosting stars: new clues

9:30–10:00 Othman Benomar (New York Univ.) [I] Spin–orbit of exoplanets constrained with asteroseismology

10:00–10:20 Makiko Nagasawa (Kurume Univ.) [I] Planetesimal migration and evaporation caused by Jovian resonances near the snowline

10:20–10:40 Yuhiko Aoyama (Univ. Tokyo) [C] Theoretical estimate of intensity of hydrogen line emission from accreting gas giants

(coffee break)

Thursday, 30 November : Session 8 "Current status and future prospects"

(chair: Masahiro Ikoma)

11:10–11:40 Takayuki Kotani (NAOJ) [I] Infrared Doppler for the Subaru telescope

11:40–12:00 Elizabeth Tasker (ISAS/JAXA) [C] Finding Patterns in Planets: A neural network approach to the exoplanet dataset

12:00–12:20 Masataka Aizawa (Univ. Tokyo)[C] Search for ringed planets using the Kepler data

12:20–12:50 Hajime Kawahara (Univ. Tokyo) [I] Finding transiting objects around snowline

12:50–13:00 Masahiro Ikoma (Univ.Tokyo) Concluding Remark

(end of the symposium)

Poster presentations

P1. Taichi Uyama (Univ. Tokyo) Search for Exoplanet Accretion Signatures in TW Hya

transitional disk

P2. Takanori Kodama (Univ. Tokyo) The runaway greenhouse threshold for Earth-like planets

P3. Toru Homma (Kobe Univ.) Accretion of vertically stirred small bodies in the protoplanetary disk onto circumplanetary disks

P4. Yuka Fujii (ELSI) On the water vapor signatures of synchronously rotating temperate exoplanets

P5. Takayuki Muto (Kogakuin Univ.) Detecting Non-Axisymmetric Structures of Protoplanetary Disks from Low-Resolution Radio Interferometric Data

P6. Teruyuki Hirano (TokyoTech) Precision Doppler Spectroscopy in the Near Infrared: Pipeline and Tentative Results

P7. Shoya Kamiaka (Univ. Tokyo) On the reliability of stellar inclination estimate from asteroseismology

P8. Ryo Tazaki (Tohoku Univ.) Opacity of fractal dust aggregates

P9. Kenji Kurosaki (Nagoya Univ.) Acceleration of cooling of ice giants by condensation in early atmosphere

P10. Takafumi Ootsubo (ISAS/JAXA) Study on the planetesimals in the planet formation era based on the infrared observation of comets and asteroids with AKARI and Subaru

P11. Akifumi Nakayama (Univ. Tokyo) Habitable climate on ocean terrestrial planets is broken up by excess water

P12. Masato Ishizuka (Univ. Tokyo) Fiber mode scrambler experiments for the Subaru InfraRed Doppler instrument (IRD)

P13. Norio Narita (Univ. Tokyo) Development of MuSCAT2 and Prospects for Future Transit Observations

P14. Akihiko Fukui (OAOJ) Transit Photometry of Earth-sized Planets with MuSCAT

P15. Christine Houser (TiTech) New developments in Earth's deep water cycle

P16. Shoji Ueda (Kyoto Univ.) Formation of Uranus-system via a giant impact
-Resolution and EoS-

P17. Yuichi Ito (Univ. Tokyo) Hydrodynamic escape of mineral atmospheres on close-in rocky super-Earths

P18. Naoki Koshimoto (Osaka Univ.) MOA-2016-BLG-227Lb: A Massive Planet Characterized by Combining Light-curve Analysis and Keck AO Imaging