

**Day-1 (4 Dec. 2017)**

9:30 - 10:30 &lt; Registration &gt;

10:30 - 10:45 Welcome and logistics from LOC

10:45 - 11:00 The samples recoveries from the Hayabusa sample catcher in the past and the future

11:00 - 11:15 Readiness of receiving and curation facility for Hayabusa2 asteroid sample return mission

11:15 - 11:30 A report on the preparation status of the curation protocol for Hayabusa2 sample

11:30 - 11:45 Initial analysis of Ryugu samples

11:45 - 12:00 Advanced Curation Activities at NASA: Preparing to Receive, Process, and Distribute Samples Returned from Future Missions

12:00 - 13:15 &lt; Lunch &gt;

13:15 - 13:30 Curating NASA's Past, Present, and Future Extraterrestrial Sample Collections

13:30 - 13:45 Sample curation in support of the OSIRIS-REx asteroid sample return mission

13:45 - 14:00 The European Space Agency Exploration Sample Analogue Collection (ESA<sup>2</sup>C) and Curation Facility – progress update

14:00 - 14:20 NASA sample return missions: recovery operations

14:20 - 14:40 Sample return and the Canadian Space Agency: Ongoing activities and avenues for international collaboration

14:40 - 15:00 In the Cold: The Future of Astromaterials Curation?

15:00 - 15:20 &lt; Coffee Break &gt;

15:20 - 15:40 Amino Acids in Returned Samples and other Solar System Materials

15:40 - 16:00 The origin and evolution of organic matter in the solar system: the amino acid content of interstellar ices and the primitive carbonaceous chondrite Paris

16:00 - 16:20 Sugars and its related compounds in space and on the early Earth

16:20 - 16:40 Discussions

Chair: T. Okada

LOC (A. Yamaguchi and T. Okada)

Toru Yada

Masanao Abe

Yuki Nakano

Shogo Tachibana

Francis M. McCubbin

Chair: T. Yada

Ryan A. Ziegler

Kevin Righter

Caroline Smith

Lisa Fletcher Pace [invited]

Tim Haltigin [invited]

Christopher D.K. Herd [invited]

Chair: H. Yabuta

Jamie E. Elsila [invited]

Zita Martins [invited]

Yoshihiro Furukawa [invited]

**Day-2 (5 Dec. 2017)**

10:00 - 10:15 Constraining Mineralogical Composition of Asteroid Ryugu with Ground-Based Observations

10:15 - 10:30 3- $\mu$ m spectroscopy of water-rich meteorites and asteroids: New results and implications

10:30 - 10:45 Hayabusa2 landing site selection (LSS) training: Summary report of scientific evaluation

10:45 - 11:00 Measuring shock stage of Itokawa regolith grains by electron back-scattered diffraction and synchrotron X-ray diffraction

11:00 - 11:15 Transmission Electron Microscopy of Plagioclase-Rich Itokawa Grains: Space Weathering Effects and Solar Flare Track Exposure Ages.

11:15 - 11:30 Microstructures of iron sulfide of Itokawa particles

11:30 - 11:45 FTIR micro-tomography of five Itokawa particles

11:45 - 13:00 &lt; Lunch &gt;

13:00 - 13:15 Asteroid 25143 Itokawa dust particles: Mineralogy and chondrite affinities

13:15 - 13:30 Electrical properties of Itokawa grains returned by the Hayabusa mission

13:30 - 13:45 Particle track densities in olivine of the heated Jbilet Winselwan CM2 chondrite: Constraints on regolith heating?

13:45 - 14:00 Carbon isotopic ratios of calcite grains in the LAP 031166 CM chondrite: Implications for possible link between CM and cometary ices.

14:00 - 14:15 Volatile Contents in Vesicles in IDP Grains Analyzed with Scanning Transmission Electron Microscopy

14:15 - 14:35 &lt; Coffee Break &gt;

14:35 - 14:50 Simulating Space Weathering of a Carbonaceous Chondrite via Pulsed Laser Irradiation

14:50 - 15:05 Development on non-destructive muonic X-ray analysis: Application to Earth and Planetary Science

15:05 - 15:20 Using X-ray Microfocus Spectroscopy to determine Cometary and Asteroidal Parent-Body Processes

15:20 - 15:35 The Astromaterials X-Ray Computed Tomography Laboratory at Johnson Space Center

15:35 - 15:50 Reproduction of GEMS-like materials in the induction thermal plasma system

15:50 - 16:10 TBD

16:10 - 16:30 Discussions

16:30 - 16:35 Announcement from LOC

16:35 - 18:30 &lt; Poster Session &gt;

18:30 - 20:30 &lt; Banquet &gt;

Chair: S. Tachibana

Lucille Le Corre

Driss Takir

Hikaru Yabuta

Michael Zolensky

Lindsay Paul Keller

Toru Matsumoto

Zélia Dionnet

Chair: C. Smith

Suporn Boonsue

Fabrice Cipriani

Dennis Harries

Wataru Fujiya

Katherine Burgess

Chair: M. Abe

Michelle Thompson

Kentarō Terada

Leon James Hicks

Ryan A. Ziegler

Akira Tsuchiyama

TBD [Special Talk]

LOC

**POSTERS (From 5 to 7 Dec., 2017)**

OA-P15 Gravitational instability on propagation of MHD waves in astrophysical plasma

OA-P16 Study of solar cycle variation and its impact on critical frequency of F2 layer

OA-P17 Study of magnetic storm effects on the variation of TEC over low, mid and high latitude station

OA-P18 Moon-Earth: global basaltic effusions, their different ages, common chemical trends (alkalinity, iron content)

OA-P19 On the bulk silicate composition of carbonaceous chondrites

OA-P20 NASA curation preparation for Ryugu sample returned by JAXA's Hayabusa2 mission

OA-P21 Current status of developments by the collaboration team with ESCuC/JAXA for curation works and analysis of Hayabusa2 returned samples

OA-P22 Systematic detection of carbonaceous phases in chondrites – request for sophisticated techniques for Hayabusa 2 particle analyses

OA-P23 Preliminary results of Sulfur speciation by  $\mu$ -XANES and STXM in Extraterrestrial Organics

OA-P24 The evolution of water-rich asteroids: Linking the mineralogy and spectroscopy of fully hydrated CM carbonaceous chondrites

OA-P25 Current status of consortium study of silica-containing Hayabusa-returned particle

Alemayehu Mengesha Cherkos

Pramod Kumar Purohit

Roshni Atulkar

Gennady Gregory Kochemasov

Peter Futo

Keiko Nakamura-Messenger

Masayuki Uesugi

Viktor H Hoffmann

Motoo Ito

Helena Bates

Minako Hashiguchi