



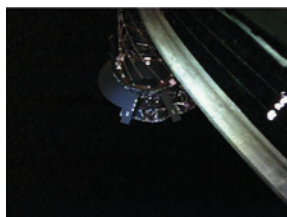
## Japan Association of Mineralogical Sciences

<http://jams.la.coocan.jp>

### HAYABUSA2: THE LONG JOURNEY TO A PRIMITIVE ASTEROID HAS BEGUN



Launch of H-IIA F26 with Hayabusa2 on board. IMAGE CREDIT: JAXA



The sampler horn extended in space. IMAGE CREDIT: JAXA

The Japanese asteroid explorer Hayabusa2 has begun its six-year round trip to return surface samples of the near-Earth carbonaceous-type asteroid 1999 JU<sub>3</sub>.

The rocket that propelled Hayabusa2 was a H-IIA F26 and it was launched at 1:22:04 pm on 3 December 2014 (JST), from the Tanegashima Space Center after being delayed twice because of bad weather. Hayabusa2 separated from the launch vehicle approximately 1 hour, 47 minutes, and 21 seconds after liftoff. Shortly after separation, the Japan Aerospace Exploration Agency (JAXA) announced that the critical operation phase after the launch had been completed, including the deployment of the sampler horn through which samples of the asteroid's surface will be collected. The deployment of the sampler horn was confirmed by a small onboard monitor camera camera that had been made by public donation to the mission. A check of Hayabusa2's onboard instruments revealed that they are currently in good condition.

The spacecraft will do an Earth flyby in 2015 to pick up speed and will then head to asteroid 1999 JU<sub>3</sub>. Hayabusa2 will arrive at the asteroid in mid-2018 when the spacecraft will take three samples during its 18-month stay. After that, Hayabusa2 will return to Earth in December 2020 with its precious samples.

**Shogo Tachibana**, Hokkaido University, Japan

### JOURNAL OF MINERALOGICAL AND PETROLOGICAL SCIENCES

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**XAFS study on the Zr local structures in tektites and natural glasses.** Tsubasa TOBASE, Akira YOSHIASA, Ling WANG, Hidetomo HONGU, Hiroshi ISOBE and Ritsuro MIYAWAKI

**Jadeite-bearing metaigneous rocks from the Northern Chichibu belt, SW Japan: implications for the lowest-grade Sanbagawa metamorphism.** Shunsuke ENDO

**Accessory priderite and burbankite in multiphase solid inclusions in the orogenic garnet peridotite from the Bohemian Massif, Czech Republic.** Kosuke NAEMURA, Ichiko SHIMIZU, Martin SVOJTKA and Takao HIRAJIMA

**Roweite from the Fuka mine, Okayama Prefecture, Japan.** Tamami ANDO, Akiko KANAYAMA, Shoichi KOBAYASHI, Ritsuro MIYAWAKI, Shigetomo KISHI, Mitsuo TANABE and Isao KUSACHI

**Petrogenesis and geotectonics of the Mikame ultramafic body, western Shikoku, Japan.** Yuji ICHIYAMA



## Meteoritical Society

<http://meteoriticalsociety.org>

### STUDENT PAPER PRESENTATION AWARDS FROM 2014 ANNUAL MEETING IN CASABLANCA



The GORDON McKAY AWARD for the best oral presentation by a student at the annual meeting of the Meteoritical Society was given to **Romy Hanna** of the University of Texas (USA) for her talk in Casablanca (Morocco) entitled "Impact-induced chondrule deformation and aqueous alteration of CM2 Murchison." The award comes with a prize of US\$1000 and a certificate.

Four WILEY-BLACKWELL AWARDS, each worth US \$500 and provided by Wiley-Blackwell (publishers of *Meteoritics and Planetary Science*), were given for outstanding presentations at the 76<sup>th</sup> annual meeting of the society in Casablanca (Morocco). The four winners, left to right below were **Carolyn Crow** (University of California Los Angeles) for her talk entitled "Impact shock microstructures in Apollo 14 zircons," **Ingrid Daubar** (University of Arizona) for her talk "New dated impacts on Mars and the current cratering rate," **Christopher Hamann** (Museum für Naturkunde Berlin and Freie Universität Berlin, Germany) for his talk "Silicate liquid immiscibility in young impact glasses," and **Nicole Lunning** (University of Tennessee, USA) for her talk "CM chondrite impact melt clast identified in a regolithic howardite."

### REDUCED MEMBERSHIP RATES



### IN DEVELOPING COUNTRIES

The Meteoritical Society invites membership applications at reduced rates (\$24/year) from people who live in countries on the Health InterNetwork Access to Research Initiative (HINARI) list: visit <http://www.who.int/hinari/eligibility/en/>. This rate includes printed copies of *Elements* and the society's journal, *Meteoritics & Planetary Science*, as well as electronic access to these journals. Please send requests to the chair of the Membership Committee, Erin Walton ([ewalton@ualberta.ca](mailto:ewalton@ualberta.ca)).

### ANNUAL MEETING SCHEDULE

- 2015 Berkeley, California, USA, July 27–31
- 2016 Berlin, Germany, August 7–12
- 2017 Santa Fe, New Mexico, USA, Last week of July
- 2018 Moscow, Russia, dates to be decided

### RENEW YOUR MEMBERSHIP NOW!

Please don't forget to renew your membership for 2015. Students: this is particularly important if you are interested in applying for one of our student presentation awards, as you must be a member to be eligible. You can renew online at <http://metsoc.meteoriticalsociety.net>.

## THANKS TO OUR SOCIETY COMMITTEE MEMBERS

The Meteoritical Society would like to extend its sincere thanks to all those members who are serving on society committees this year. We have listed their names below, with the names of the committee chairs in **bold**. Without the generous help of these members, the society could not function. We greatly appreciate their help!

2015	Affiliation	Ends
<b>Leonard Medal and Nier Prize • 5 members; 3-year term</b>		
<b>Floss, Christine (chair)</b>	Washington University	2017
Bland, Phil	Curtin University	2018
Binzel, Richard	Massachusetts Institute of Technology	2019
Russell, Sara	Natural History Museum, London	2018
Kita, Noriko	University of Wisconsin, Madison	2016
<b>Barringer Award • 4 members, 4-year term</b>		
Burchell, Mark	University of Kent	2016
Deutsch, Alex	University of Münster	2017
Spray, John	University of New Brunswick	2018
<b>Crosta, Alvaro (chair)</b>	University of Campinas – UNICAMP	2015
<b>Pellas/Ryder Award • 3 MetSoc, 3 GS, 3-year term</b>		
<b>Buczowski, Debra (chair)</b>	Johns Hopkins University, APL	2016
Burr, Devon (PGD past-chair)	University of Tennessee	2017
Wyrick, Danielle (1 <sup>st</sup> vice-chair)	University of Tennessee	2017
Bland, Phil	Curtin University	2015
Schwenzer, Susan	Open University	2016
Korotev, Randy	Washington University	2014
<b>McKay Award • 6-8 members, 1-year term</b>		
<b>Dunn, Tasha (chair)</b>	Illinois State University	2015
Filiberto, Justin	Southern Illinois University	2015
Nishiizumi, Kuni (vice-chair)	University of California, Berkeley	2015
Gross, Juiliane	Rutgers University	2015
Beck, Andrew	Johns Hopkins University, APL	2015
Bell, Mary Sue	ARES, JSC	2015
<b>Nominating (tentative)</b>		
Mikouchi, Takashi	University of Tokyo	2015
Chennaoui, Hasnaa (invited)	Universite Hassan II	2015
Scorzelli, Rosa	Centro Brasileiro de Pesquisas Fisicas	2015
Ivanova, Marina	Vernadsky Institute	2015
Scott, Ed	University of Hawaii	2015
Lin, Yangting	Chinese Academy of Sciences	2015
<b>Nomenclature Editor • MetBull • Editor Database 12 members, 3-year term, 3 ex officio</b>		
Agee, Carl	University of New Mexico	2015
Grossman, Jeff	NASA	
Bouvier, Audrey	University of Western Ontario	2016
Metzler, Knut	University of Münster	2015
Ruzicka, Alex	Portland State University	2015
Welzenbach, Linda	Planetary Science Institute	2015
<b>Herd, Chris (chair)</b> (rotating off in March)	University of Alberta	2016

2015	Affiliation	Ends
Mikouchi, Takashi	University of Tokyo	2016
Dunn, Tasha	Colby College	2016
Smith, Caroline	Natural History Museum, London	2016
Gattacceca, Jerome	CEREGE (CNRS)	2016
Debaille, Vinciane	Université Libre de Bruxelles	2017
Welten, Kees	University of California, Berkeley	2017
Bullock, Emma	Smithsonian Institution	2017
<b>Endowment • 5 members, 3-year terms</b>		
Huss, Gary	University of Hawaii	2017
<b>Reimold, Uwe (cochair)</b>	Leibniz Institute @ Humboldt-Universitaet Berlin	2017
Treiman, Allan	Lunar and Planetary Institute	2016
<b>Barringer, Drew (cochair)</b>	The Barringer Crater Company	2017
Warren, Paul	University of California, Los Angeles	2017
Kohl, Candace (ex officio)		
<b>Audit • 3 members, 3-year terms</b>		
Hofmann, Beda	Natural History Museum, Bern	2017
Taylor, Susan	CRREL	2016
<b>Connolly, Harold (chair)</b>	CUNY	2016
<b>Publications • 6 members + Treas, 3-year terms</b>		
Lyon, Ian	University of Manchester	2017
Tsuchiyama, Akira	Kyoto University	2017
Nakamura-Messenger, Keiko	Johnson Space Center	2016
Ebel, Denton	American Musum Natural History	2016
<b>Flynn, George (chair)</b>	SUNY-Plattsburgh	2014
Engrand, Cecile	CNRS	2017
<b>Joint Publications • 6 members, 3-year terms</b>		
Davis, Andy (MetSoc)	University of Chicago	2016
Koerberl, Chris (MetSoc)	University of Vienna	2016
Jeremy, Fein (GS)	Florida State University	2016
Freeman, Kate (GS)	Pennsylvania State University	2014
<b>Hilton, David (GS) (chair)</b> (extended)	Scripps Institution of Oceanography	2015
Rushmer, Tracy (MetSoc)	Macquarie University	2015
Canuel, Liz	Virginia Institute of Marine Science (William & Mary)	2017
Zolensky, Mike	Ex Officio	
Sherwood Lollar, Barbara	Ex Officio	
Norman, Mark	Ex Officio	
Jull, Tim	Ex Officio	
<b>Membership and Service Award</b>		
<b>Walton, Erin</b>	Grant MacEwan University	2015
Itoh, Shoichi	Kyoto University	2016
Ferriere, Ludovic	Natural History Museum, Vienna	2017
Mayne, Rhiannon	Texas Christian University	2017
Dyl, Katie	Curtin University	2016
Kohout, Tomas	University of Helsinki	2017