

<http://meteoriticalsociety.org>

2021 ANNUAL MEETING REPORT

The 84th Annual Meeting of the Meteoritical Society (Met Soc) was held in August 2021 in Chicago (Illinois, USA) as the first hybrid Met Soc meeting. The in-person meeting venue was in the Hilton Chicago downtown with views overlooking Grant Park, Lake Michigan, and the Museum Campus. Due to COVID-19 pandemic-related travel restrictions, participation was less than average. A total of 308 people attended the meeting with 146 in-person participants (46%) and 162 (53%) online partici-



pants. The majority of in-person participants were from institutions based in the United States but we also had several participants from South America, Europe, and Africa. Remote talks were prerecorded and like the in-person talks broadcast live. All

talks were recorded and are available for online viewing to registered participants for one year after the meeting. This has enabled participants to view all talks of interest even if they were held in parallel. Another benefit of the hybrid mode was access to the conference for those who were not able to travel, or who did not feel comfortable traveling, due to the pandemic, or those who didn't have the financial means to attend in person even if they could otherwise travel. A voluntary survey indicated a 100% vaccination rate of the in-person participants at the time of the start of the meeting. All participants were required to wear masks at the meeting venue except when presenting. The meeting included strict COVID-19 precautions and code of conduct to make the meeting as safe and enjoyable as possible for everyone.

The program included two parallel oral sessions, one of which was virtual, and one in-person poster session. The meeting also included two town hall meetings, one entitled "OSIRIS-REx Sample Analysis", presented by Dante Lauretta (University of Arizona, USA), and the other one entitled "Status of the Mars Sample Return Campaign", convened by David Beaty (Jet Propulsion Laboratory, USA), Brandi Carrier (Jet Propulsion Laboratory), Chris Herd (University of Alberta, Canada), and Meenakshi Wadhwa (Arizona State University, USA). The Barringer Lecture, "Glimpsing the Exoplanet Composition Distribution", was given by Leslie Rogers from the University of Chicago (USA). The postconference workshop was Meteorite Ownership and Legal Issues – Current Situation and Perspectives. The Meteoritical Society combined the Award Ceremony for the cancelled 2020 meeting with this year's 2021 meeting. Social events were scaled down due to pandemic-related restrictions, and participation required being fully vaccinated against COVID-19. The events included a welcome reception at the Hilton Hotel, guided tours of the Field Museum's meteorite and dinosaur collections, and self-guided visits of the Field Museum exhibits, which included, among others, the atom probe and meteorite exhibits, the Evolving Planet exhibit, and the Grainger Hall of Gems. Participants were also invited to a dome show "Imagine the Moon" at the Adler Planetarium. We were delighted to hold a served banquet with a regional menu in the Field Museum's spectacular Stanley Field Hall, featuring gleaming white marble, vaulted ceilings, and gracious columns. Participants dined safely among two African elephants prepared by famed taxidermist Carl Akeley, large hanging gardens, flying pterosaurs, and Máximo the Titanosaur. In line with the recent Met Soc tradition, a karaoke session followed the banquet for a memorable experience in a different setting.

The local organizers included Philipp Heck (Field Museum and University of Chicago); meeting convener and chair of the Local Organizing Committee, Emily Hallock and Jonathan Hense (Field Museum); and colleagues from the Field Museum and the University of Chicago. The Scientific Organizing Committee was chaired by Fred Ciesla (University of Chicago) and included local as well as national and international committee members. So did the Travel Award Committee that was chaired by Jemma Davidson (Arizona State University). Linda Garcia (Lunar and Planetary Institute, Texas, USA) and her team provided outstanding support for organizing this meeting. The meeting organization was challenging due to the many pandemic-related uncertainties regarding restrictions, travel, and participation. The author would like to thank all who were involved for their hard work and persistence. I would also like to thank the sponsors, the Meteoritical Society, the Field Museum, JEOL, ThermoFisher Scientific, CAMECA, WITec, and Oxford Instruments for their financial support.

Philipp Heck

Convener MetSoc 2021

Chair of the Local Organization Committee

SOCIETY AWARD WINNERS

The society now gives five major awards each year. For more information on individual awards, please see the Call for Nominations and the society's webpage.



The LEONARD MEDAL, which is the society's highest and oldest award, is given to individuals who have made outstanding original contributions to the science of meteoritics or closely allied fields. It is named for Frederick C. Leonard who was a founder and the first president of the society. The 2021 winner is **Katharina Lodders** (Washington University in St. Louis, Missouri, USA). The Meteoritical Society recognizes Katharina with its Leonard Medal for her work on "the condensation of presolar grains in stellar atmospheres and her compilation of the Solar System abundances of the elements and the condensation temperatures of the elements". The citation was given by Denton Ebel.

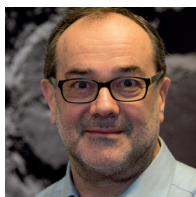
The citation was given by Denton Ebel.



The BARRINGER MEDAL AND AWARD, which are sponsored by the Barringer Crater Company, were created in memory of D. Moreau Barringer, Sr and his son D. Moreau Barringer, Jr. The award is given for outstanding work in the field of impact cratering. This year, the Barringer Award is given to **Gordon Osinski** (University of Western Ontario, Canada) for his "prolific studies on impact melt rock and hydrothermal alteration processes in terrestrial craters with a particular focus on understanding melting, ejecta emplacement, and habitability, as well as his work on the 'suevite conundrum'". The citation will be given at the annual meeting in Glasgow (UK) in 2022.



The NIER PRIZE is awarded for young scientists in the field of meteoritics. This year's winner of the Nier Prize is **Nan Liu** (Washington University St. Louis). Nan receives this award for her "contributions to the field of presolar grains and nucleosynthesis, using a wide range of analytical techniques". The citation was given by Larry Nittler.



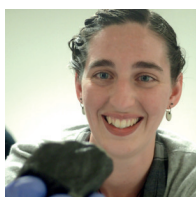
The METEORITICAL SOCIETY SERVICE AWARD recipient for 2021 is **Christian Koeberl** of the Natural History Museum of Austria. Christian receives this award “for his transformative decade-long tenure as Director General of the Natural History Museum, Vienna during which the museum was extensively modernized and renovated resulting in a doubling of the number of visitors. He is also recognized for his tireless public outreach activities in meteoritics and impact cratering and impressive societal service contributions.” The citation was given by Janice Bishop.



The JESSBERGER AWARD is awarded every other year to a mid-career, female isotope geochemist thanks to an endowment from the family of Dr. Elmar K. Jessberger. **Maria Schönbacher** is the winner of the inaugural Elmar Jessberger Award. Maria receives this award for her contributions to geochronology using the Pd–Ag and Nb–Zr chronometers and for her contributions to the understanding of nucleosynthetic anomalies in elements such as Zr and Pd. The citation and presentation of this award will be given at the annual meeting in Glasgow in 2022.



The GORDON MCKAY AWARD is given each year to the student who gives the best oral presentation at the annual meeting of the society. The award honors the memory of Gordon A. McKay and is supported by the McKay Fund, which was established in 2008 as a part of the Meteoritical Society's endowment. The McKay Award for the 84th Annual Meeting of the Meteoritical Society in Chicago goes to **Amanda Ostwald** (University of Nevada Las Vegas, USA) for the talk “Nakhlite and Chassignite Parental Melt Compositions Compared”. The award comes with a prize of US\$1,000 and a certificate.



Sammy Griffin



Dara Laczniak



Virgile Malarewicz



Kaitlyn McCain

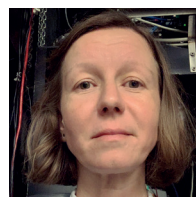


Ben Rider-Stokes

WILEY-BLACKWELL AWARD is presented for outstanding presentations by students at the annual meeting of the society. Wiley-Blackwell are the publishers of *Meteoritics and Planetary Science* and, for the 82nd meeting in Sapporo (Japan), they sponsored five awards of US\$500 each. The winners for 2021 are as follows: **Sammy Griffin** (University of Glasgow, UK) for the presentation “Nakhlite Emplacement Mechanisms from Electron Backscatter Diffraction”; **Dara Laczniak** (Purdue University, Indiana, USA) for the presentation “Investigating Space Weathering

of Carbonaceous Asteroids through Low-Flux and High-Flux H⁺ and He⁺ Irradiation of the Murchison Meteorite”; **Virgile Malarewicz** (GEOPS – Géosciences Paris Sud, CNRS, Université Paris-Saclay) for the presentation “Investigating Main and Accessory Minerals in the Martian Regolith Breccia Northwest Africa 7533 by Raman and Luminescence Spectroscopy”; **Kaitlyn McCain** (University of California Los Angeles, USA) for the presentation “Matrix-Matched ⁵³Mn/⁵³Cr Ages of Dolomite and Calcite in CM and CI Chondrites”; and **Ben Rider-Stokes** (The Open University, UK) for the presentation “Revising the Angrite Fractionation Line: New Insights from High-Precision Oxygen Isotope Studies”.

NEW COUNCIL MEMBER



Due to a change in employment and increased responsibilities, Meteoritical Society Councilor Neyda Abreu has had to step out of her term early. We would like to thank Neyda for her service to the society and wish her well in her new position. According to the Met Soc constitution, “*Vacancies in the position of Secretary, Treasurer or Councilor shall be filled by appointment by the Council*”. In accordance with this, **Elena Dobrica** has been

chosen by council to fill the position vacated by Neyda. Elena is an assistant researcher at the Hawai'i Institute of Geophysics and Planetology, University of Hawai'i at Mānoa (USA). Her research focuses on the characterization of textures, mineralogy, and isotopic compositions of the fine-grained materials in chondrites, dust particles, and return samples. However, lately, a large part of her work has focused on laboratory experiments designed to constrain the chemical, structural, and morphological characteristics of synthesized samples that reproduce those of materials observed and/or expected in small Solar System bodies. Elena was recently appointed as the new representative for the University of Hawai'i at Mānoa to the Universities Space Research Association's Council of Institutions.

CALL FOR AWARD NOMINATIONS

Please consider nominating a colleague for one of the society's awards. Nominations should be sent to Secretary Munir Humayun (metsocsec@gmail.com) by January 15 (January 31 for the Pellas–Ryder Award and the Service Award). For more information and details on how to submit a nomination for any of these awards, please see the latest *Newsletter* at the society's website or e-mail the secretary.

UPDATED ANNUAL MEETING CALENDAR

2022	(85 th Annual Meeting) August 14–19, Glasgow (UK)
2023	(86 th Annual Meeting) August TBD, Los Angeles (California, USA)
2024	(87 th Annual Meeting) July/August TBD, Brussels (Belgium)
2025	(88 th Annual Meeting) July TBD, Perth (Australia)
2026	(89 th Annual Meeting) July/August TBD, Frankfurt (Germany)

RENEW YOUR MEMBERSHIP NOW!

Please renew by 31 March 2022; after that date, a \$15 late fee will be assessed. You can renew online at: <http://metsoc.meteoriticalsociety.net>