

# **Meteoritical Society**

# http://meteoriticalsociety.org

## **2023 INCOMING PRESIDENT ADDRESS**



It is a great honor and a pleasure to become President of the Meteoritical Society. I want to thank Past-President Brigitte Zanda for her term and for continuing to bring that experience to the Council to guide our society for the next two years. I'm also looking forward to beginning to work with Guy Consolmagno as the new Meteoritical Society Vice President. The role of Meteoritical Society Treasurer is crucial to the

functioning of our society, and I'm delighted that Tasha Dunn will be continuing in this position. A lot of responsibility for running our society falls to the Meteoritical Society Secretary, and I want to thank Munir Humayun for giving his time and effort to serve in this position for the last four years and to thank Jutta Zipfel for taking on this role. I'm excited about the team we have to lead the Meteoritical Society for the next two years, and we look forward to serving our community.

The Meteoritical Society has been a part of my professional life from the start of my scientific career. It was the first professional society that I joined, and the meeting in Berlin in 1996 was my second scientific conference. In many ways, I feel lucky to have stumbled my way into studying meteorites. As a graduate student at the University of Arizona, I entered with a physics degree and an interest in space science. During my second year, I started on a small project related to trace element partitioning in iron meteorites working with Mike Drake. It was my first experience with any geochemistry and lab work, but I was quickly hooked by the opportunities with meteorites as space science research that was so close that you could hold it in your hand.

Since that first introduction to the field, I've valued the many career experiences that have followed. Working at NASA Johnson Space Center with Carl Agee and John Jones expanded my experimental lab work, and at Case Western Reserve University with Ralph Harvey, it was a privilege to work on the Antarctic Search for Meteorites (ANSMET) project. My five ANSMET seasons also let me share field season experiences with many members of the Meteoritical Society, creating timeless memories and lasting friendships that I greatly value. For the last 18 years, I've been at the Johns Hopkins University Applied Physics Laboratory, where I've continued my meteorite research as well as had the opportunity to broaden into working on active space missions. From being on the MESSENGER team for the first orbital exploration of the planet Mercury to being on the DART team for the first demonstration of asteroid deflection, it has been a joy and a privilege to contribute to these exploration efforts. I'm honored and thrilled to be involved in the upcoming exploration by the MMX and BepiColombo missions. Each of these opportunities brings new science and discoveries on its own, though a common component to these missions is that they are accomplished by teams. It takes many people working together for years to accomplish these exploration advancements, and I find contributing to that larger effort to be immensely rewarding.

Similarly, bringing people together is at the core of the Meteoritical Society. One of the aspects that makes the Meteoritical Society a premier international organization is its truly international nature. A number of initiatives by the society have made an impact by creating and supporting opportunities for participation by scientists from across the globe. Continuing to build on those efforts to promote collaborative science internationally is an important aspect of our society. We are also living in a very exciting time for extraterrestrial samples, where spacecraft missions are positioned to increase the number and diversity of samples brought to Earth, and the analysis of meteorites and that knowledge provides the foundation for these sample return efforts. Recently returned samples from the *Hayabusa2* mission have

revealed new insights into primitive asteroids, and the delivery of samples from the *OSIRIS-REx* mission are highly anticipated for later this year. Meanwhile, samples are being cached on the surface of Mars, plans are underway for collecting samples from our Moon as well as on the Martian moon Phobos, and mission concepts are working toward acquiring samples from comets, the asteroid Ceres, and other bodies in the future. I find it inspiring that the expertise of Meteoritical Society members is shaping and leading these future scientific priorities for international space science exploration. The future of our field is clearly filled with fascinating possibilities, and by supporting early-career members of the Meteoritical Society to become future leaders of our field, I'm excited about our future and what our field, and our society, can accomplish together.

## Nancy L. Chabot

Johns Hopkins University Applied Physics Laboratory

### **OFFICERS AND COUNCIL MEMBERS**

The Meteoritical Society will consist of a number of new officers this year. Nancy Chabot (Johns Hopkins Applied Physics Lab, USA, see above) will be transitioning from Vice President to President, and Guy Consolmagno (Vatican Observatory, Vatican City State) will be the incoming Vice President. Jutta Zipfel (Senckenberg Naturmuseum and Forschungsinstitut, Germany) will serve as our new Secretary, and Tasha Dunn (Colby College, USA) will continue as our Treasurer. Brigitte Zanda (Muséum National d'Histoire Naturelle, France) will continue to serve, albeit in her new capacity as Past President. We thank this new slate of officers in advance for their efforts to lead the Meteoritical Society through the next two years.









Guy Consolmagno Jutta Zipfel

Tasha Dunn

Brigitte Zanda

The Meteoritical Society Council for 2023–2024 will consist of Henner Busemann (ETH Zürich, Switzerland), Byeon-Gak Choi (Seoul National University, South Korea), Alvaro Crosta (State University of Campinas, Brazil), Sarah Crowther (University of Manchester, UK), Elena Dobrica (University of Hawaii, USA), Denton Ebel (American Museum of Natural History, USA), Marina Ivanova (Vernadsky Institute, Russia), and Ann Nguyen (NASA Johnson Space Center, USA).

We would like to take this opportunity to sincerely thank Mini Wadhwa who is rotating off of the council after six years as an officer (as Vice President, President, and Past President), Munir Humayun who is rotating off of the council after three years as the society's Secretary, and Chris Herd, Kuljeet Marhas, and Takashi Mikouchi who are rotating off as councilors, for their years of dedicated service keeping the Meteoritical Society operating smoothly!

# STUDENT AWARD WINNERS FROM THE 2022 MEETING IN GLASGOW, SCOTLAND

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 85<sup>th</sup> Annual Meeting



FEBRUARY 2023

# SOCIETY NEWS

of the Meteoritical Society in Glasgow goes to Kaitlyn McCain (University of California, Los Angeles, USA) for the talk entitled "Early fluid activity on the Ryugu parent asteroid inferred from <sup>53</sup>Mn-<sup>53</sup>Cr ages of Ryugu carbonate." The award comes with a prize of US\$1,000 and a certificate.



The 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,

Kaitlyn McCain

Daniel Sheikh

for the 85<sup>th</sup> meeting in Glasgow, they sponsored five awards of US\$500 each. The winners for 2022 include Ishita Pal (University of Louisiana at Lafavette, USA) for the presentation "P-Nuclide enrichments in presolar graphite grains," Randolph Röhlen (Museum für Näturkunde Berlin, Germany) for the presentation "Core or mantle? Breakup of asteroid cores during impact in the late accretion phase," Daniel Sheikh (Portland State University, USA) for the presentation "Dunite clast in lunar meteorite Northwest Africa (NWA) 14900: Mantle derived?", Haoxuan Sun (Institut de Physique de Globe de Paris, France) for the presentation "Triple silicon isotopic fractionation between silicates and metal in enstatite chondrites," and Zoe Wilbur (University of Arizona, USA) for the presentation "Volcanic histories of lunar basalts revealed via 3D visualization."



Ishita Pal



Haoxuan Sun





Zoe Wilbur

### **ANNUAL MEETING SCHEDULE**

2023	13-18 August, Los Angeles, California, USA
2024	28 July-2 August, Brussels, Belgium (EU)
2025	13–18 July, Perth, Australia
2026	Dates TBD, Frankfurt, Germany (EU)

#### **NEW METEORITICAL SOCIETY FELLOWS**



lean-Alix Barrat











Fred Moynier







Steve Desch

Eric Quirico

Maria Schönbächler

## THE BARRINGER FAMILY FUND FOR METEORITE **IMPACT RESEARCH**

The Barringer Crater Company has established a special fund to support field work by eligible students interested in the study of impact cratering processes. The Barringer Family Fund for Meteorite Impact Research will provide a number of competitive grants in the range of \$2,500 to \$5,000 for support of field research at known or suspected impact sites worldwide. Grant funds may be used to assist with travel and subsistence costs, as well as laboratory and computer analysis of research samples and findings. Masters, doctoral, and postdoctoral students enrolled in formal university programs are eligible. Application to the fund will be due by 7 April 2023, with notification of grant awards by 9 June 2023.

Additional details about the fund and its application process can be found at: www.lpi.usra.edu/science/kring/Awards/Barringer Fund.

## **RENEW YOUR MEMBERSHIP NOW!**

Please renew by 31 March 2023; after that date, a \$15 late fee will be assessed. You can easily renew online at meteoritical.org/ membership/join.

\* Note that this is a new website for membership renewal.