



## Meteoritical Society

<http://meteoriticalsociety.org>

### 2020 ANNUAL METSOC MEETING INVITATION

You are cordially invited to attend the 83<sup>rd</sup> Annual Meeting of the Meteoritical Society (MetSoc), which will take place 9–14 August 2020 at the Scottish Event Campus in Glasgow (Scotland). The meeting will be hosted by the University of Glasgow planetary science research group.



Some people may require a visa to visit the United Kingdom. To find out whether you need a visa, and how to apply, see the UK visas and immigration website: <https://www.gov.uk/check-uk-visa>.

Oral and poster sessions, plenary sessions, and the Barringer Invitational Lecture, will take place within the Loch Suite of the Scottish Event Campus: <https://www.sec.co.uk/organise-an-event/event-spaces/loch-suite>.

Conference registration and welcome reception begins at 5 PM on Sunday, 9 August 2020, at the Hunterian Museum (<https://www.gla.ac.uk/hunterian>), which is housed within the historic main building of the University of Glasgow.

On Monday night (10 August 2020), the City of Glasgow will offer you all a warm welcome. The city is providing a free welcome drinks reception for all MetSoc delegates at which will be a representative of the city's Lord Provost (Mayor) who will personally attend to welcome us. This will be hosted in the Glasgow City Chambers, Glasgow's finest example of 19<sup>th</sup> century architecture, located in the heart of George Square in the city centre.

On Wednesday (12 August 2020) excursions will be offered both within the city and that explore the neighbouring countryside, including whisky tasting at one of Scotland's most scenic distilleries, or a boat trip along Loch Lomond.

The Conference Banquet, with ceilidh (pronounced "kaylee", Scottish music and dance), will be held on Wednesday night at the magnificent Kelvingrove Art Gallery and Museum, the UK's most popular museum outside of London. The Kelvingrove is home to internationally important natural history and archaeological collections, as well as artwork by Salvador Dalí, Van Gogh, Whistler, Monet, and Botticelli (<https://www.glasgowlife.org.uk/museums/venues/kelvingrove-art-gallery-and-museum>).

Several multi-day excursions will be offered, including trips to the Isle of Arran to experience world-class geology, hiking, beer and whisky; trips to Edinburgh and St Andrews, for geology, castles, cathedrals, golf (and probably whisky); and to NW Scotland to see the dramatic Stac Fada and Skye impact members and to have a boat trip to see Loch Coruisk and the Small Isles ... and possibly taste some more whisky!

Rooms will be reserved in multiple hotels, having a range of prices. As the Scottish Event Campus is located in the centre of Glasgow there are six hotels within easy walking distance, and many more a stroll away. For hotels a little further away, public transport in Glasgow is generally frequent and reliable, and the Scottish Event Campus has its own train station, bus stops and taxi ranks.

Glasgow is undoubtedly one of Europe's most dynamic cultural capitals, steeped in culture, rich in history, and alive with excitement. Glasgow was named one of the world's top ten "must see" cities in 2014 by Fodor's and the Rough Guide, and is Scotland's cultural hub, possessing over 20 museums and galleries, most offering free entry. Glasgow is also the envy of many European cities for its amazing and eclectic restaurant and café scene: there are over 3,000 restaurants to choose from across the city, more than 700 bars and cosy pubs, and over 130 music events

in the city each week. It is also an easy destination to reach and travel around, with three international airports within an hour's drive, plus good rail, subway and bus links.

We are looking forward to welcoming you to Glasgow!

**Lydia Hallis** (email: [metSOC2020@glasgow.ac.uk](mailto:metSOC2020@glasgow.ac.uk))

### INTERNATIONAL MINERALS COLLECTORS ASSOCIATION: BRIAN MASON AWARD

In 1997, Joel Schiff, the first editor of the popular *Meteorite* magazine, created a travel award in honor of Brian Mason, who was born in New Zealand and spent the majority of his career as a curator at the Smithsonian Institution (USA). The award is given to a student attending the annual meeting of the society who submits an abstract that presents exciting results that are clearly explained and that are of particular interest to readers of *Meteorite* magazine. The recipient is required to write a popular account of their work for the magazine. Since 2008, the award has been generously funded by the International Meteorite Collectors Association.



Nicola Mari



Jack Percy

This year, the Program Committee for the Sapporo meeting selected **Nicola Mari** and **Jack Percy** to win the Brian Mason Award. Nicola Mari is a graduate student at the University of Glasgow (United Kingdom). His abstract was entitled "Chlorine Abundance in the Shergottite Parental Melt Amphibole and Apatite in Tissint and Zagami" and authors were N. Mari, L.J. Hallis, and M.R. Lee. Jack Percy is a graduate student at the University of Leicester (United Kingdom). His abstract was entitled "Olivine Alteration in Shergottite Northwest Africa 10416" and authors were J.D. Percy, J.C. Bridges, L.J. Hicks, J.L. MacArthur, R.C. Greenwood, and I.A. Franchi.

### 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](mailto:metSOCsec@gmail.com)) by 15 January 2020 (January 31 for the Service Award and for the Pellas-Ryder Award). For more information and details on how to submit a nomination for any of these awards, please see the latest *Meteoritical Society Newsletter* at the society's website, or e-mail the secretary.**

The society gives a number of awards each year. The **Leonard Medal** honors outstanding contributions to the science of meteoritics and closely allied fields. The **Barringer Medal and Award** recognizes outstanding work in the field of impact cratering and/or work that has led to a better understanding of impact phenomena. The **Nier Prize** recognizes outstanding research in meteoritics and closely allied fields by young scientists. The **Service Award** honors members who have advanced the goals of the Meteoritical Society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. The **Paul Pellas-Graham Ryder Award** is given for the best student paper in planetary science and is awarded jointly by the Meteoritical Society and the Planetary Geology Division of the Geological Society of America. The newest society award, the **Elmar Jessberger Award**, will be given for the first time in 2020 to a mid-career female scientist in the field of isotope cosmochemistry.

## 2019 ANNUAL MEETING STUDENT TRAVEL AWARDS

On behalf of the Meteoritical Society, we would like to thank the organizations whose generous sponsorships provided student travel grants, postdoc travel grants and travel grants for scientists from countries with limited financial resources. These sponsoring organizations, and the recipients of the travel awards, are listed below.

This year, 45 travel grants were given to students and researchers to attend the annual meeting of the society in Sapporo (Hokkaido, Japan). Student travel grants and travel grants for scientists from countries with limited financial resources are generously sponsored by the Barringer Crater Company, the O. Richard Norton Fund, NASA (Emerging Worlds), the National Institute of Polar Research (NIPR), JAXA, Elsevier, the Meteoritical Society (Travel for International Members Fund and the Endowment Fund), the International Mineral Collectors Association (Brian Mason Award), the Maine Mineral and Gem Museum, the Planetary Studies Foundation, and the Darryl Pitt/Macovich Collection.

### Barringer Crater Company

Chaves, Laura, *Purdue University (Colombia/United States)*

Choi, Jisu, *Korea Polar Research Institute (South Korea)*

Florin, Guillaume, *CRPG-CNRS (Australia/France)*

Griffin, Samantha, *University of Glasgow (New Zealand/United Kingdom)*

McCain, Kaitlyn, *UCLA (United States)*

Patzek, Markus, *University of Münster (Germany)*

Plan, Anders, *Lund University (Sweden)*

Wu, Yunhua, *Purple Mountain Observatory (China)*

Zhang, Bidong, *University of Western Ontario (China/Canada)*

### Elsevier

Ebert, Samuel, *Westfälische Wilhelms-Universität Münster (United States/Germany)*

Isa, Junko, *Université Grenoble Alpes (Japan/France)*

Takenouchi, Atsushi, *National Institute for Polar Research (Japan)*

### International Mineral Collectors Association Brian Mason Award

Mari, Nicola, *University of Glasgow (Italy/United Kingdom)*

Piercy, Jack, *University of Leicester (United Kingdom)*

### Maine Mineral and Gem Museum

Cicero, Fabio, *University of Calgary (Italy/Canada)*

### O. Richard Norton Award

Baeza, Leonardo, *Australian National University (Chile/Australia)*

Dunham, Emilie, *Arizona State University (United States)*

Hayashi, Hideyuki, *University of Tokyo (Japan)*

Ishimaru, Kana, *University of Tokyo (Japan)*

Krietsch, Daniela, *ETH Zürich (Germany/Switzerland)*

Wang, Nian, *Institute of Geology and Geophysics, Chinese Academy of Sciences (China)*

Zhu, Ke, *Institut de Physique du Globe de Paris (China/France)*

### NASA Emerging Worlds

Alpert, Samuel, *American Museum of Natural History (United States)*

Cato, Michael, *University of New Mexico (United States)*

DellaGiustina, Daniella, *University of Arizona (United States)*

Greer, Jennika, *University of Chicago (United States)*

Ostwald, Amanda, *University of Nevada (United States)*

Ray, Soumya, *Arizona State University (India/United States)*

### Planetary Studies Foundation

Crossley, Samuel, *University of Maryland (United States)*

Torrano, Zachary, *Arizona State University (United States)*

### Darryl Pitt/Macovich Collection

Krämer Ruggiu, Lisa, *CEREGE (France)*

### National Institute of Polar Research (NIPR)

Ono, Haruka, *University of Tokyo (Japan)*

Takaharu, Saito, *Nagoya University (Japan)*

Will, Patrizia, *ETH Zürich (Switzerland)*

### Japan Aerospace Exploration Agency (JAXA)

Kamibayashi, Michiru, *University of Tokyo (Japan)*

Laczniaik, Dara, *Purdue University (United States)*

Martinez, Marina, *University of New Mexico (Spain/United States)*

Takahashi, Miki, *Tohoku University (Japan)*

Villalon, Krysten, *University of Chicago (United States)*

Visser, Robbin, *Freie Universität Berlin (Germany)*

Wada, Sohei, *Hokkaido University (Japan)*

### The Meteoritical Society Endowment Fund

Daly, Luke, *University of Glasgow (United Kingdom)*

Yamamoto, Daiki, *Japan Aerospace Exploration Agency (Japan)*

### The Meteoritical Society TIM Fund

Chennaoui Aoudjehane, Hasnaa, *Hassan II University (Morocco)*

Kassab, Fazia, *University of Sciences and Technology (USTHB) (Algeria)*

## IN MEMORIAM: LAUREL WILKENING (1944–2019)

Prof. Laurel Wilkening, a meteoriticist, university administrator, and advocate for planetary science and for women's issues, passed away 4 June 2019 at the age of 74. She was born in Richland (Washington, USA) on 23 November 1944 and grew up in Socorro (New Mexico, USA). Laurel got her bachelor's degree in chemistry from Reed College (Oregon, USA) followed by her PhD from the University of California at San Diego (USA) in 1970, working with Hans Seuss.

Wilkening began her scientific career studying the first samples returned from the Moon, and compared the exposure record of lunar samples, particularly as revealed by damage tracks from cosmic rays, with that of meteoritic regolith breccias. Later, her interests turned to comets. She edited the 1982 University of Arizona Press volume *Comets*, and was deeply involved with planning of a U.S. mission to Halley's Comet that never materialized. After her graduation, she worked and studied at several institutions, including the Tata Institute of Fundamental Research in Mumbai (India), the Max Planck Institute for Cosmochemistry in Mainz (Germany), and the Muséum National d'Histoire Naturelle in Paris (France).

Laurel became a faculty member at the University of Arizona (USA) in 1973 in the newly formed Department of Planetary Sciences. In 1981, she became head of the department and director of the department's associated Lunar and Planetary Laboratory. Shortly thereafter, she became the



Acting Dean of Sciences at the university when that position was created, and then Vice President for Research. From the beginning of her career at Arizona, she was instrumental in advocating for women's issues, including pay equity, and was a key figure in the establishment of what is now the Department of Gender and Women's Studies.

In 1988, she became Provost of the University of Washington (USA), the first female to hold that position. In 1993, she became Chancellor of the University of California Irvine (USA), a post from which she retired in 1998.

Throughout her career, Wilkening was a nationally prominent member of the planetary science community. She served as Vice Chair of the Advisory Committee on the Future of the U.S. Space Programs, Chair of the Space Policy Advisory Board, and Vice Chair of the National Commission on Space during the presidencies of Ronald Reagan and George H. W. Bush. Later, she became a member of the Board of Directors of the Planetary Society, serving four years as Vice President of the society.

Asteroid 75562 is named Wilkening in her honor. She was elected a Fellow of the Meteoritical Society in 1978.

**Prof. Timothy D. Swindle**

Director, Lunar and Planetary Laboratory, University of Arizona  
(see society webpage for full citation)