

Wednesday, July 26, 2017
AWARDS CEREMONY
8:30 a.m. Sweeney A

Chairs: Trevor Ireland
 Meenakshi Wadhwa

8:30 a.m. **An Appreciation of Frederick C. Leonard (1896–1960), the Founder and First President of the Meteoritical Society**
 Presented by: Fred Leonard

8:45 a.m. **Leonard Medal**
 Recipient: Mark Thiemens
 Citation: Francois Robert

The Leonard Medal is given to individuals who have made outstanding original contributions to the science of meteoritics or closely allied fields. The Meteoritical Society recognizes Mark Thiemens with its 2017 Leonard Medal for his fundamental insight that local chemical fractionation processes can explain oxygen isotope systematics in the early solar system, a seminal breakthrough in understanding one of the most important observations in meteoritics. He will speak on the “The History of Chemically Produced Mass Independent Isotope Effects: Their Physical Chemical Basis and Applications to the Early Solar System, Planetary Atmospheres, and the Origin of Life?”

9:00 a.m. **Barringer Medal**
 Recipient: Akira Fujiwara
 Citation: Masanao Abe

The Barringer Medal is given for outstanding work in the field of impact crating. The Meteoritical Society recognizes Dr. Akira Fujiwara with the 2017 Barringer Award for pioneering work in the investigation of the collisional disruption of small bodies in the Solar System. He will present a lecture on “Hypervelocity Impact in Asteroid Science and Space Mission?”

9:15 a.m. **Nier Prize**
 Recipient: Francis McCubbin
 Citation: Carl Agee

The Nier Prize is given for significant research in the field of meteoritics and closely related fields by a young scientist under the age of 35 or whose PhD was awarded <7 years ago. The Meteoritical Society recognizes Francis McCubbin with its 2017 Nier Prize for his significant contributions to our understanding of lunar volatiles, and the cosmochemical implications for both lunar and solar system evolution

9:30 a.m. **Service Award**
 Recipient: Cecilia Satterwhite
 Citation: David Mittlefehldt

This award honors members who have advanced the goals of the Society to promote research and education in meteoritics and planetary science in ways other than by conducting scientific research. The Meteoritical Society recognizes Cecilia Satterwhite with the 2017 Service Award for curatorial work that is critical to implementation of essentially all research on the US Antarctic Meteorite (ANSMET) Collections.

9:45 a.m. **Student Awards**

Gordon A. McKay Award (2016)

The McKay award honors the memory of Gordon A. McKay. The award is given each year to the student who gives the best oral presentation at the annual meeting of the Society.

Recipient: Danielle N. Simkus (University of Alberta)
Compound-Specific Carbon Isotope Compositions of Aldehydes and Ketones in the Tagish Lake Meteorite

Wiley Awards (2016)

Sponsored by the publisher of Meteoritics and Planetary Science, four Wiley Awards are given each year for outstanding oral presentations by students at the annual meeting.

Recipient: Kelly E. Miller (University of Arizona)
Copper Sulfides in the R Chondrites: Evidence of Hydrothermal Alteration in Low Petrologic Types

Recipient: Sheryl Singerling (University of New Mexico)
Synchrotron X-Ray Fluorescence Analysis of Trace Elements in Focused Ion Beam Prepared Sections of Carbonaceous Chondrite Iron Sulfides (CM and CR) and Associated Metal (CR)

Recipient: Timo Hopp (University of Münster)
Ruthenium Isotope Fractionation During Crystallization of Planetary Cores

Recipient: Gavin G. Kenny (Trinity College Dublin)
Impact Crater Environments as Potential Sources of Hadean Detrital Zircons

Brian Mason Travel Awards (2017)

Recipient: Levke Kööp (University of Chicago),

Recipient: Emile Dunham (Arizona State University).

Pellas-Ryder Awards

This award, which is jointly sponsored by the Meteoritical Society and the Planetary Division of Geological Society of America, is for undergraduate and graduate students who are first author of a planetary science paper published in a peer-reviewed scientific journal.

Recipient: Gerrit Budde (University of Münster)
Tungsten Isotopic Constraints on the Age and Origin of Chondrules, Proceedings of the National Academy of Sciences, 2016

Recipient: James Keane (University of Arizona)
Reorientation and Faulting of Pluto due to Volatile Loading Within Sputnik Planitia, Nature, 2016.

10:00 a.m. **Leonard Medal Lecture**

Thiemens M. H. *

[*The History of Chemically Produced Mass Independent Isotope Effects: Their Physical Chemical Basis and Applications to the Early Solar System, Planetary Atmospheres, and the Origin of Life* \[#6237\]](#)

The discovery of chemically produced mass independent isotope effects led to new insights of solar system evolution, planetary atmospheres (Earth and Mars), the origin of life and better insight into quantum mechanics of reactions and photochemistry.

10:45 a.m. **Barringer Medal Lecture**

Fujiwara A. *

[*Hypervelocity Impact in Asteroid Science and Space Mission* \[#6149\]](#)

Award Lecture.