

Program

73rd Annual Meeting of the Meteoritical Society

July 26–30, 2010

New York City, New York

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Monday, July 26, 2010

8:30 a.m.	Ballroom	Formal Opening
9:00 a.m.	Skyline	Asteroid Remnants of the Cores of Early Planetesimals, and Where are Their Mantles?
8:50 a.m.	Ballroom	Toward Understanding Chondrules and Their Formation (Dedicated to Gero Kurat)
1:20 p.m.	Skyline	Primitive Achondrites and the Almahata Sitta Fall (Dedicated to Finn-Ulf Møller)
1:30 p.m.	Ballroom	Organic Molecules and Chirality in Extraterrestrial Materials and the Cosmos
7:00 p.m.	LeFrak Theater at AMNH	Barringer Invitational Lecture

Tuesday, July 27, 2010

8:30 a.m.	Skyline	Impact Processes and Impact Crater Structures
8:30 a.m.	Ballroom	Solar Systems Before and During Planet Formation
1:30 p.m.	Skyline	Material from Other Stars Preserved in Meteorites and Comets
1:20 p.m.	Ballroom	Micrometeorites and Interplanetary Dust Particles (Dedicated to Brian Mason)
3:50 p.m.	Ballroom	Carbonaceous Chondrites: Chronology and Mineralogy (Dedicated to Brian Mason)
5:15 p.m.	Ballroom	Awards Ceremony (Dedicated to Ardis Nier)
6:30 p.m.	Forum	Poster Session

[Fall and Recovery of Meteorites Around the World](#)
[Achondrite Meteorites and Meteorites from the Moon](#)
[New Developments in Extraterrestrial Sample Analysis and Space Exploration](#)
[Asteroid Remnants of the Cores of Early Planetesimals, and
Where are Their Mantles?](#)
[Organic Molecules in Meteorites: Techniques and Contamination](#)

Tuesday, July 27, 2010 (Posters continued)

[*Toward Understanding Chondrules and Their Formation*](#)
[*Material from Other Stars Preserved in Meteorites and Comets*](#)
[*Ordinary and Enstatite Chondrites: Histories and Isotopic, Chemical and Physical Properties*](#)
[*Solar Systems Before and During Planet Formation*](#)

Wednesday, July 28, 2010

8:30 a.m.	Skyline	<u>Martian Meteorites: Evidence for Fluids, Magmatic Processes, and Impact Processes</u>
8:30 a.m.	Ballroom	<u>Ordinary and Enstatite Chondrites: Their Origins and Physical Properties</u>
11:45 a.m.	Ballroom	Meteoritical Society Business Meeting

Thursday, July 29, 2010

9:30 a.m.	Ballroom	<u>Plenary Lectures</u>
1:30 p.m.	Skyline	<u>Asteroids: Composition, Evolution, Dynamics and Connection to Meteorites</u>
1:30 p.m.	Ballroom	<u>First Solar System Solids: Refractory Inclusions in Meteorites</u>
6:30 p.m.	Forum	Poster Session

[*Curation, Education and Public Outreach \(Dedicated to O. Richard Norton\)*](#)
[*Carbonaceous Chondrites and Their Parent Bodies*](#)
[*Parent Body Regolith: Simulation and Observation*](#)
[*Shock Effects in Rocks, Minerals and Meteorites*](#)
[*First Solar System Solids: Refractory Inclusions in Meteorites*](#)
[*Isotopes: Carbon, Nitrogen, Chlorine, and Barium*](#)
[*Sample Return Mission Results: Genesis \(Solar Wind\) and Stardust \(Cometary Dust\)*](#)
[*Infrared Spectroscopy: Meteorites, Parent Bodies, and Laboratory Micrometeorites and Interplanetary Dust Particles*](#)
[*Impact Processes and Impact Crater Structures: Traces of Collisions*](#)
[*Martian Meteorites: Isotopic Studies, Chronology, and Water*](#)
[*Mars: Petrology and Geochemistry from Meteorites, Planning for Sample Return*](#)

Friday, July 30, 2010

8:30 a.m.	Skyline	<u>Extraterrestrial Basalts: Vesta, Angrites and the Moon</u>
8:30 a.m.	Ballroom	<u>Sample Return Mission Results: Genesis (Solar Wind) and Stardust (Cometary Dust)</u>
10:50 a.m.	Ballroom	<u>Isotopes 1: Light Elements Through Calcium, Mostly Be, B, K and Ca</u>
1:30 p.m.	Skyline	<u>Deciphering Secondary Processes on Primitive Asteroids</u>
1:30 p.m.	Ballroom	<u>Isotopes 2: ²⁶Al/²⁶Mg, Transition Metals, and Beyond</u>