PLENARY SESSION:
MASURSKY LECTURE AND DWORNIK AWARD PRESENTATIONS
Monday, 1:30 p.m. Waterway Ballroom 4 and 5

Chairs: Stephen Mackwell and Eileen Stansbery

Presentation of the 2011 GSA Stephen E. Dwornik Award Winners

Best Graduate Oral Presentation:
K. J. Zabrusky, Colorado School of Mines, “The Distribution and Depositional History of Sedimentary Deposits in Arabia Terra”

Honorable Mention, Graduate Oral Presentation:

Best Graduate Poster Presentation:
C. E. Viviano, University of Tennessee, “Using THEMIS to Address Discrepancies Between OMEGA/CRISM and TES Detections of Phyllosilicates”

Best Undergraduate Poster Presentation:
S. Christian, Bryn Mawr College, “Frequency Analysis of SHARAD Reflectors Within the North Polar Layered Deposits, Mars and Implications for the Link Between Radar and Optical Data”

Honorable Mention, Undergraduate Poster Presentation:
N. Jamsja, Portland State University, “Presence of Hydrous Phases in Two R Chondrites, Northwest Africa 6491 and 6492”

Presentation of the 2012 LPI Career Development Award Winners

Rebecca Bast, Westfälische Wilhelms-Universität Münster, Germany
Robert Beauford, University of Arkansas
Elmar Buhl, Albert-Ludwigs-Universität Freiburg, Germany
Michael Chaffin, University of Colorado at Boulder
Carolyn Crow, University of California Los Angeles
Dirk Elbeshausen, Forschung Museum für Naturkunde, Germany
Amy L. Fagan, University of Notre Dame
Roger R. Fu, Massachusetts Institute of Technology
Emmanuel Jacquet, Laboratoire de Minéralogie et Cosmochimiedu Muséum, France
Matthew E. Sanborn, Arizona State University
Stephen Seddio, Washington University in St. Louis
Bhairavi Shankar, University of Western Ontario, Canada
Priyanka Sharma, University of Arizona
Matthew R. Smith, University of Washington
Veerle Jasmin Sterken, MPIK-Staubgruppe, Germany
Kun Wang, Washington University in St. Louis
Nathan Robert Williams, Arizona State University
Kelsey Young, Arizona State University
Gang Yu, Harvard University
Michael R. Zanetti, Washington University in St. Louis

Masursky Lecture:
Masursky Lecture by Head J. W. III *

Mars Climate History: A Geological Perspective [#2582]
Deciphering the climate history of Mars requires multiple disciplines and approaches; geological observations provide important guidelines and constraints.

Professor James W Head III is the Louis and Elizabeth Scherck Distinguished Professor of Geological Sciences at Brown University in Providence, Rhode Island. He came to Brown University in 1973, following his work with the NASA Apollo program, in which he analyzed potential landing sites, studied returned lunar samples and data, and provided training for the Apollo astronauts. His current research centers on the study of the processes that form and modify the surfaces, crusts and lithospheres of planets, how these processes vary with time, and how such processes interact to produce the historical record preserved on the planets. Comparative planetology, the themes of planetary evolution, and application of these to the study of early Earth history are also of interest. He has followed up his research on volcanism, tectonism and glaciation with field studies on active volcanoes in Hawaii and at Mount St. Helens, on volcanic deposits on the seafloor with three deep sea submersible dives, and during five field seasons in the Antarctic Dry Valleys. Since 1984, Head has convened the Vernadsky Institute/Brown University microsymposia, held twice yearly in Moscow and Houston. He has served as an investigator with NASA and Russian space sissions, such as the Soviet Venera 15/16 and Phobos missions, and the U.S. Magellan (Venus), Galileo (Jupiter), Mars Surveyor, Russian Mars 1996, and space shuttle missions. Head is currently a co-investigator for the NASA MESSENGER mission to Mercury and Moon Mineralogy Mapper (M3), as well as the European Space Agency’s Mars Express Mission.