

2008 Medalists

Gerald J. Wasserburg

William Bowie Medal - For important contributions to earth and planetary sciences resulting from his developments in the field of radiogenic isotope geochemistry.

Mark D. Zoback

Walter H. Bucher Medal - For fundamental contributions to the fields of crustal mechanics, global crustal stress, stress transfer, and carbon sequestration.

Miriam Kastner

Maurice Ewing Medal - For major contributions to understanding marine sedimentation and ocean chemistry, leadership and service to the marine geoscience community, and selfless promotion of students.

Robert L. Parker

John Adam Fleming Medal - For his longstanding work in electromagnetic induction, resistivity sounding, and within the areas of seamount magnetism; statistical models of palaeosecular variation; numerical methods for potential field modeling applied to the crust and core; and rigorous theories for extremal inversions for magnetisation structure on Earth and on Mars.

H. Jay Melosh

Harry H. Hess Medal - For predictions, innovations, and contributions to our understanding of important phenomena in geophysics and planetary physics.

Vijay K. Gupta

Robert E. Horton Medal - For redefining frontiers of scientific hydrology under multi-scale hydrologic processes and multi-scale hydrologic phenomena.

James Badro, Emily E. Brodsky, and Diane E. Pataki

James B. Macelwane - For significant contributions to the geophysical sciences by a young scientist of outstanding ability.

Michael L. Bender

Roger Revelle Medal - For seminal contributions to geochemistry and biogeochemistry, culminating in his work on O₂ and its isotopes that transformed the use of glacial ice cores in paleoclimate studies.

Harsh K. Gupta

Waldo E. Smith Medal - For major scientific contributions in seismology, tectonophysics, marine geophysics and geothermal resources and his eminent role in serving geosciences worldwide.

Charles C. Counselman III

Charles A. Whitten Medal - For development and use of systems to receive and combine Global Positioning System (GPS) satellite signals to determine positions on Earth's surface of these