



# International Association of GeoChemistry

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## IAGC AWARDS FOR 2013

The International Association of GeoChemistry is pleased to announce its award winners for 2013. Congratulations to all the recipients, and thank you for your service to the IAGC and the geochemical community!

### *Distinguished Service Award – Ron Fuge, University of Aberystwyth (UK)*



IAGC member Dr. Ron Fuge receives the Distinguished Service Award for excellence and dedication as executive editor of the IAGC's journal, *Applied Geochemistry*, from 1994 to 2012. During these 19 years, Ron exhibited total dedication and selflessness in carrying out this responsibility. As a consequence, the journal has flourished under Ron's leadership and editorial excellence. The annual number of published papers has increased steadily during his tenure,

and the journal's impact factor has risen continually throughout the past decade, so that today *Applied Geochemistry* is held in high regard by the geochemistry community.

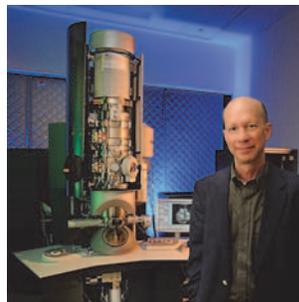
### *IAGC Fellow – Heinrich Wänke, Max Planck Institute, Mainz (Germany)*



The first IAGC Fellow distinction for 2013 has been awarded to IAGC's Past President Heinrich Wänke for outstanding research contributions in applying the principles and techniques of geochemistry to the study of the extraterrestrial domain. Prof. Wänke is a prominent German geochemist who pioneered the application of the tools and approaches of geochemistry to the study of the formation history of the Solar System and its inner planets. As documented in more than 200 research publications, he has applied geochemistry to the analysis of samples of Solar System objects, producing diagnostic tools for the

geochemical study of meteorites. These studies have led to a better understanding of the history of irradiation processes and cosmic rays in the Solar System and to the determination of important constraints on the identification of the parent bodies of meteorites. His research has also contributed to the understanding of the formation of the Moon and the accretionary history of the terrestrial planets. Through his personal work and as director of the Cosmochemistry Division of the Max Planck Institute for Chemistry in Mainz from 1967 to 1996, he made major contributions to the development of geochemical techniques for the in situ analysis of planetary surfaces, especially the surface of Mars, via space missions. He also played a major role in the development and implementation of the European planetary exploration program at ESA. Prof. Wänke is a member of the Academia Europaea and the International Academy of Astronautics. He is also a member or an associate member of several national academies of science and was president of IAGC from 1988 to 1992. He has received many awards and honors, including the Jean-Dominique Cassini Union Medal of the EGU in 2005 and the EGS Runcorn-Florensky Medal in 1999.

### *IAGC Fellow – Michael Hochella, Virginia Tech (USA)*



The second IAGC Fellow honor for 2013 is awarded to Dr. Michael Hochella, University Distinguished Professor at Virginia Tech, for outstanding research contributions in applying the theory and techniques of geochemistry to the study of the nanoscale domain and creating the field of nanobiogeochemistry. He received his PhD from Stanford University in 1981 and over the past 23 years has been a faculty member at Stanford and Virginia Tech.

Prof. Hochella's research interests include elucidating the roles that nanoscience and mineral-surface geochemistry/biogeochemistry play in major aspects of the Earth sciences. His research involves environmental issues and the biogeochemical cycling of the elements; studying mineral-microbe interactions from both geochemical and biochemical perspectives; understanding the behavior of nutrients and toxic elements in the environment and their mobility; characterizing aqueous partitioning reactions at oxide and silicate surfaces; and understanding interactions between mineral surfaces and species in solution, with applications to aqueous-system transport. He was a pioneer in the emerging field of nanobiogeochemistry and was the first in his field to use atomic-force, scanning-tunneling, and high-resolution transmission electron microscopy to study surface properties of nanomaterials of geological interest at the atomic level. Prof. Hochella has been a Fulbright Scholar, a Humboldt Award winner, and Virginia Scientist of the Year. He is a fellow of six international scientific societies, a Dana Medal winner (Mineralogical Society of America), and a former president of the Geochemical Society. He has also won the Brindley Lecture Award (Clay Minerals Society) and the Distinguished Service Medal of the Geochemical Society. He has served on high-level advisory boards of the National Science Foundation and the Department of Energy, including a current appointment to the Basic Energy Sciences Advisory Committee of the US Department of Energy.

### *Certificates of Recognition*

**Dr. Gwendolyn Macpherson** is an associate professor of geochemistry at the University of Kansas in Lawrence, Kansas (USA), and director of the university's Plasma Analytical Laboratory. Her primary research interest is in weathering and the consequences of global climate change on groundwater chemistry in continental-interior grasslands. Gwen incentivized a team of students in her department at KU to create the IAGC Facebook page and has been instrumental in helping the Association to reach out to students and its young members.

The IAGC also awards a Certificate of Recognition to our outgoing Council members. Thank you for your hard work serving the Society for the last four years!

**Dr. Zhonghe Pang** is a faculty member in the Institute of Geology and Geophysics of the Chinese Academy of Sciences.

**Dr. Harue Masuda** is the chair of the Department of Geosciences at Osaka City University, Japan.

**Dr. Nancy Hinman** is a professor in the Department of Geosciences at the University of Montana, USA.

**Dr. Rona Donahoe** is a professor of environmental geochemistry and director of the Geochemistry Analytical Lab at the University of Alabama, USA.