



International Association of GeoChemistry

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IAGC COUNCIL

We would like to thank the outgoing members of the IAGC council who completed their terms at the end of 2014: Martine Savard (NRC/GSC, Canada); Philippe Negrel—current vice president of IAGC (BRGM, the French geological survey); Janet Herman (University of Virginia, USA); and Thomas Kretzschmar (Geology Department CICESE, Mexico). Thank you all for your service to the IAGC!

On 1 January 2015, we welcomed six new council members to the IAGC Board of Directors to serve a 2 year term:

Patrice deCaritat – Principal Research Scientist, Geoscience Australia; **Jodie Miller** – Senior Lecturer, Department of Earth Sciences, Stellenbosch University, South Africa; **Avner Vengosh** – Professor, Nicholas School of the Environment, Duke University, USA; **Romain Millot** – Researcher, Laboratory Division, BRGM (French Geological Survey); **Sophie Opfergelt** – Professor, Earth and Life Institute, Université Catholique de Louvain, Belgium; **Steve Grasby** – Research Scientist, Geological Survey of Canada

AWARDS

Distinguished Service Award



Dr. Thomas Bullen worked for the US Geological Survey as an isotope geochemist for three decades. During that time, he made numerous advances in our understanding of isotope chemistry in geohydrologic systems: in particular, using elements such as Fe, Cr, Sr, Ca, Se, etc. To call Tom an isotope geochemist would be to oversimplify his contribution to our science. He has used isotopes among many tools to characterize water–

rock interactions applied to problems such as weathering, catchment hydrology, groundwater–surface water interactions, magmatic evolution, water salinization, and a host of other topics. Tom's h-index of around 40 (!) is a fitting metric of the magnitude of his contributions to the geosciences.

While maintaining this enviable record of productivity, Tom has also mentored numerous young scientists and contributed to the operation of several IAGC working groups. Tom was an ever-enthusiastic participant and organizer at the Applied Isotope Geochemistry (AIG) group meetings, where he gave presentations that were memorable both for their science and their engaging delivery. Tom also worked tirelessly behind the scenes to organize the Faure awards for the best student presentations and to co-edit the special edition of *Applied Geochemistry* derived from AIG-9 in Tarragona (Spain). Tom has been an active participant and leader in the Water–Rock Interaction (WRI) Working Group. In addition to his scientific contributions to WRI, Tom served as treasurer of WRI-7 in Park City (Utah) in 1992 and as editor of the proceedings volume of WRI-12 in Kunming (China) in 2007. Both of these roles required a tremendous amount of Tom's time (and patience!) and were fundamental to the successes of these WRI and IAGC meetings. Tom also became immersed in the food and culture of the many cities that the working groups visited and was willing to share his findings enthusiastically and knowledgeably with his fellow delegates.

Tom has also had a major role in the success of *Elements* magazine, the joint publication of which IAGC is a consortium member. After serving as guest editor of the highly successful issue on metal stable isotopes in 2009, Tom joined the Executive Committee in 2011 as our IAGC representative, and he continues in that role to this day. For his contributions to the art of geochemistry and for his service to IAGC, few people are as deserving of the IAGC Distinguished Service Award as is Tom Bullen.

IAGC Fellow



Gabriel Filippelli is currently a professor in the Department of Earth Science at Indiana University – Purdue University Indianapolis (IUPUI). He received his BS from the University of California, Davis (USA) and his PhD at the University of California, Santa Cruz (USA). Gabe spent the early portion of his career investigating the past and present global biogeochemical cycle of phosphorus and continues

to work on important paleo-oceanographic questions relating to climate change and element cycling. He is recognized as an international authority in the interdisciplinary field of earth sciences and human health. His work on environmental lead exposure and blood lead levels in children in urban areas has been innovative and transformative. As director of IUPUI's Center for Urban Health, he has engaged academics and the lay public to recognize the link between urban environmental issues, public health, and sustainable cities. He is a former United States Department of State Jefferson Science Fellow. For his important and novel research and his exemplary record of service, Gabriel Filippelli is named an IAGC Fellow for 2015.

Kharaka Award



Dr. Renguang Zuo received his PhD from the China University of Geosciences (CUG) in 2009. His doctoral dissertation was on mineral prospectivity mapping and identifying geochemical anomalies using fractal/multifractal models. For this, he was awarded the Best PhD Thesis in Hubei Province of China in 2010 and was among the Chinese National Hundred outstanding doctoral theses nominated in

2011. Dr. Zuo's current research focuses on the identification of weak geochemical anomalies associated with mineralization under covered areas. He has had several successes in identifying weak anomalies from fractal/multifractal models and by using spatially robust neighborhood statistics. Dr. Zuo has published more than 30 peer-reviewed papers and was awarded the First-Class Prize in Sciences and Techniques by the Ministry of Land and Resources of the People's Republic of China in 2011; the Second-Class Prize of the National Science and Technology Progress Award of the People's Republic of China; the Highest Prize of Young Geoscientists; and China's New Century Excellent Talents in University grant in 2013. In 2013, Zuo was promoted to a full professor at CUG. Dr. Zuo is also an associate editor of the *Journal of Natural Resource Research* and the *Journal of Geochemical Exploration*. He was guest editor of the special issue "Fractal Analysis of Geochemical Data" in the *Journal of Geochemical Exploration*. For his excellent career to date, Renguang Zuo is the first recipient of the IAGC's Kharaka Award.

IAGC SESSIONS AT GOLDSCHMIDT 2015

The IAGC is sponsoring or cosponsoring five sessions at the Goldschmidt 2015 meeting, which will be held 16–21 August in Prague (Czech Republic).

Session 04g: Joint IAGC–EAG–GS Session on Urban Geochemistry

CONVENERS: David Long, David Bendz

Session 07j: Metal Stable Isotopes (non-CHONS) as Tracers of Ecosystem Processes

CONVENERS: Sophie Opfergelt, Richard Wanty, Thomas Bullen

Session 10e: Contaminant Hydrogeochemistry

CONVENER: Anne Hansen

Session 10g: Reactive Transport Modelling: Capabilities, Applications, and Data-Model Integration

CONVENERS: Henning Prommer, Ulrich Mayer, Ilka Wallis, Dirk Kirste

Session 13h: Geochemical Characterizations of Unconventional Petroleum Reservoirs and Environmental Impacts Associated with their Production

CONVENERS: Hamed Sanei, Bernhard Mayer, Avner Vengosh