



# Association of Applied Geochemists

[www.appliedgeochemists.org](http://www.appliedgeochemists.org)

## COUNCILLORS FOR AAG FOR 2016-2017

The following five volunteers have been affirmed as councillors for the Association of Applied Geochemists (AAG) for the next two-year period.

### Dennis Arne



Dennis Arne has over thirty years' experience as a geologist specializing in geochemistry in a wide range of environments in both the minerals and the petroleum industries, as an academic, and in geological surveys. He has completed a Graduate Diploma in Hydrogeology and Groundwater Management, a PhD in thermochronology applied to mineral deposits, an MSc in economic geology, and a BSc with honours in geology. He has published extensively in the areas of applied

geochemistry, economic geology and thermal history analysis for tectonic and petroleum exploration applications.

He is currently Principal Consultant – Geochemistry and a Director of CSA [Crowe Schaffalitsky Associates] Global Canada, based in Vancouver (Canada). Dennis has served on the AAG Council for the last two years and is currently the AAG coordinator for the society news section of *Elements* magazine.

### Mel Lintern



Mel Lintern is a research geochemist for CSIRO [Commonwealth Scientific and Industrial Research Organisation] Mineral Resources in Australia. His academic qualifications include a BSc in zoology, a graduate diploma in environmental science, and a PhD in applied geology. He has expertise in the application of geochemistry, biological media and calcrete (a common soil component in arid Australia) for mineral exploration. Mel's research enables mining companies to

explore with more confidence when tackling greenfield areas where sedimentary cover dominates, particularly in the arid and semi-arid regions of Australia.

Mel joined CSIRO in 1980 and has since achieved numerous scientific breakthroughs that have had a direct impact on mineral exploration. He has translated the science of biogeochemistry, gold's mobility in the surficial environment and how abiotic-biotic geochemical anomalies form into robust mineral exploration tools used by industry to find new mineral deposits. In the last ten years, he has led a number of large, multi-client externally funded projects involving more than 40 domestic and international exploration companies, geological surveys and academic institutions.

Mel has served on the AAG Council for the last two years.

### Romy Matthies



Romy has been an AAG Fellow since 2009 and holds a PhD in environmental geochemistry from Newcastle University (UK). She is the head of the Research & Development Section of the G.U.B. Ingenieur AG, Germany, where she is developing and managing projects in the fields of biomining (e.g. [www.biomore.info/home/](http://www.biomore.info/home/), [//r4-sem2.gub-ing.de/en](http://r4-sem2.gub-ing.de/en)) and mine water remediation thereby applying (bio)geochemical methods to extract

and recover critical raw materials. She also collaborates with members from industry and academia in capacity building projects in Germany and overseas.

### Paul Morris



Paul Morris holds a BA in geography and a BSc with honours in geology from the University of Otago (New Zealand), and a PhD in geology from Victoria University of Wellington (New Zealand). He has held post-doctoral research and teaching positions at the University of Sydney (Australia), and Shimane University (Japan). Since 1988, he has been employed by the Geological Survey of Western Australia (GSWA), and has been Chief Geochemist since 1996. He is responsible for

GSWA's regional regolith geochemistry and mapping program, acquisition of all geochemical data, and the design, implementation and maintenance of GSWA's corporate geochemical database.

Paul joined AAG (then known as AEG, the Association of Exploration Geochemists) in 1999, and has held several positions, including Symposium Coordinator (2003–2007), AAG Vice President (2008–2009), AAG President (2010–2011), Awards and Medals Committee Chairman (2012–2013), AAG Councillor (2014–2015), AAG Education Committee Chairman (2011–present). He was also co-chair of AAG's 2005 International Applied Geochemistry Symposium, held in Perth (Australia) in 2005.

### Erick Weiland



An internationally respected geochemist with over 40 years of professional experience and technical knowledge across multiple disciplines, Erick has successfully completed projects in fourteen countries. His expertise includes: mining/mineral geochemistry, rock/waste characterization, environmental impact assessments, water quality and soil remediation investigations, material characterization, geochemical evaluation of surface water, groundwater, mineral interactions,

and assessing the acid generation potential (acid rock drainage) with associated leaching of potentially hazardous constituents from natural materials.

He is currently the Manager of Source & Migration Control projects within the Freeport-McMoRan Environmental Technology/Life Cycle Analysis Team (Arizona, USA). This team identifies, evaluates, develops, and deploys emerged or emerging technologies that can be applied to risk and liability management at existing mining and processing sites, closure and reclamation of mining operations, and remediation of legacy sites.

Erick joined the AAG in 1978 and has been an active member ever since. He has participated as a councillor, president, database chairman, editorial board member, Canadian and Australian Geosciences Council representative, Symposium Chair, and undertaken other miscellaneous duties over the past 37 years.