



# Association of Applied Geochemists

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

## 2018–2019 AAG COUNCILLORS

Like many professional organizations, the AAG relies on the contributions of many volunteers. The new AAG councillors for 2018 and 2019 are introduced in this issue.

### Maurizo Barbieri



Maurizio Barbieri has been a Fellow of the Association of Applied Geochemists since 2013. He has over 15 years of postgraduate experience in geochemistry. Since 2006, he has been an Associate Professor of Hydrogeochemistry and Environmental Geochemistry at the Sapienza University of Rome (Italy) (2006–), an analytical geochemistry laboratory manager (2001–) at Sapienza, and he was a member of the Board of

Directors at Sapienza University between 2009 and 2016. Currently, he is applying geochemistry methodologies to characterize environmental problems, and the distribution of elements and isotopes in Earth systems, including the following: water–rock interactions; water quality; natural hydrogeochemical anomalies; hydrogeochemical surveys; ion chromatography; inductively coupled plasma mass spectrometry; water, soil and geological mapping; univariate and multivariate analysis of geochemical datasets, and isotopic analyses of Sr, H, O and B.

He has been on the editorial board of: *Chemie der Erde*, *Environmental Geochemistry and Health*, *Arabian Journal of Geosciences*, *Euro-Mediterranean Journal for Environmental Integration*, *Water, Geosciences*, and *Journal of Chemistry*. He was a guest editor for the *Water* special issue “Isotopes in Hydrology and Hydrogeology”.

### David Murphy



David holds a BSc (Hons) degree from the University of Edinburgh (Scotland) (1986), a MAppSc from Curtin University (1993), both in geology, and, after a period in industry, a PhD from the University of Western Australia (2009). After an early career as an exploration geologist (Geopeko–North Ltd, 1988–1994; Helix Resources NL, 1994–1996; Plutonic Resources Ltd, 1996–1997), David joined Normandy Mining Ltd

(now Newmont; 1997–2009), where Nigel Radford instilled a love of geochemistry. This was cemented by Cliff Stanley, who supervised, along with Bob Gilkes, an eclectic thesis involving litho-geochemistry, clay mineralogy, and linear algebra. In 2010, David joined Barrick as regional geochemist. In 2012, he moved to his current employer, AngloGold Ashanti, where he is the geochemist for the Global Greenfields Exploration group, with responsibility for the geochemical aspects of projects in Australia, North and South America, and Africa. He is also involved with data management and the interfaces between databases and data consumers. David is interested in fine-fraction geochemistry, X-ray diffraction, mathematical applications, and data analysis.

### Graham Sylvester



Graham obtained his BSc in geology from the University of New South Wales (Australia) in 1967, his MSc from the University of Toronto (Canada) in 1973, and then an MA (2013) and a PhD (2017) from the University of Western Australia. Graham has spent the majority of his professional life working as a geologist/geochemist in the minerals industry around the world. Currently, he is

actively involved in expanding the role that geochemistry can play in providing a greater understanding of archaeological sites and in researching the processes of formation of soil geochemical anomalies. He has not previously held any positions within AAG but will be taking over as *Elements* coordinator later this year.

### Erick Weiland



An internationally respected geochemist with over 40 years of professional experience and technical knowledge across multiple disciplines, Mr. Weiland has successfully completed projects in 14 countries. 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, and mineral interactions; and assessing the acid generation potential (acid rock drainage) with associated leaching of potentially hazardous constituents from natural materials. He is an expert in the application of geochemistry that supports exploration, engineering, and environmental projects, including site characterization, feasibility studies, permitting, remediation, water quality, soil remediation, evaluation of acid mine drainage, waste rock dumps and tailings dam engineering/design, and mine closure activities.

### Yulia Uvarova



Yulia obtained her BSc in geology from Moscow State University (Russia) in 2001 and her PhD in geology from the University of Manitoba (Canada) in 2008. From 2000 to 2002, she worked at the Vernadsky Institute of Geochemistry and Analytical Chemistry (Moscow, Russia) as a research assistant. From 2003 to 2008, she was a teaching assistant at the University of Manitoba. From 2008 to 2012, Yulia worked at Queens’

University (Canada), in the Queen’s Facility for Isotope Research, where her research focused on the following: the geochemistry, mineralogy, petrology and genesis of economic mineral deposits, uranium in particular; the development of new exploration tools in the search for U deposits; the behavior of high field-strength elements (HFSE) in high-temperature systems; the geochemistry of non-traditional isotopic systems and the application of these systems to elucidate processes responsible for deposit formation. Yulia Uvarova holds a Research Scientist position in CSIRO Mineral Resources in Perth (Australia) and works in a team of researchers developing new workflows and techniques for mapping the distal footprints of metalliferous mineral systems through drilling and sampling. Her team is developing the science to understand large geochemical footprints of mineral systems and their detection at the surface.

## NEW EDITOR OF GEEA



**Dr. Scott Wood** is assuming the role of Editor-in-Chief of *GEEA* following the untimely passing of Kurt Kyser. Scott is currently Dean of Science and Mathematics at North Dakota State University at Fargo (USA). He will be stepping down from this administrative position and returning to research this summer. Scott will assume the editorship on 1 August 2018. After graduating from Princeton University (USA) in 1985, Scott taught geochemistry at McGill University (Canada) until 1991. He then spent 20 years as a professor (and latterly as the Dean) at the University of Idaho (USA).