

SEG Distinguished Lecturer

The SEG Distinguished Lecturer is selected on the basis of preeminence in economic geology, either on some phase of scientific research or on the application of the science to minerals exploration and/or development. One or two lectures are presented at regularly scheduled SEG conferences. This lecturer may or may not be available to accept additional requests.

Sarah-Jane Barnes has been the Canada Research Chair in Magmatic Metallogeny at the Université du Québec à Chicoutimi, Canada since 2003 and is also the directress of LabMaTer, a geochemical laboratory specializing in analysis of ore deposit materials. Her field of research is ore deposits associated with mafic and ultramafic rocks. She is the 2015 SEG distinguished lecturer. She was awarded the past-president's medal from the Mineralogical Association of Canada in 2007 and the Gross medal in 1994 by the Mineral Deposits Division of Geological Association of Canada. She has given 30 short course presentations as part of short courses directed to industry. She has published over 135 referred articles and is currently supervising 10 graduate students and post-doctoral fellows. She has trained 35 graduate students and post doctor fellows. She completed a B.Sc. (Hons) University of Witwatersrand (South Africa) in 1975. From 1976 to 1978 she worked as a geologist for Geological Survey Namibia. In 1979 she obtained an M.Sc. on serpentines of Namibia from the University of Cape Town (South Africa) supervised by Dr. D. Waters. In 1983 she was awarded a Ph.D. on the platinum-group element potential of Abitibi komatiites, from the University of Toronto (Canada) supervised by Prof. A. J. Naldrett. From 1984 to 1986 she completed her post-doctoral studies at Geological Survey of Norway on the platinum-group element potential of the Rana layered intrusion, supervised by Dr. R. Boyd. In 1986 she became a research associate at the Université du Québec à Chicoutimi and a professor in 1990.



Previous lecturers and talk titles.

Year	Lecturer	Talk Title(s)
2017	Lluís Fontboté	<ul style="list-style-type: none">• Cordilleran Polymetallic Deposits as a Deposit Class in Porphyry Systems

Year	Lecturer	Talk Title(s)
2016	John F.H. Thompson	<ul style="list-style-type: none"> • Hydrocarbons and the Genesis of Mississippi Valley-Type Deposits • Future Supply of Mineral Resources • Changing world—changing exploration (distinguished lecture). • Magmas and—physical and chemical processes. • Exploration and innovation.
2015	Sarah-Jane Barnes	<ul style="list-style-type: none"> • The use of trace element contents in ore minerals for exploration, exploitation, and interpretation of Ni-Cu-PGE deposits, chromite deposits and Fe-Ti-V-P deposits. • Formation of platinum-group element deposits. • Formation of magmatic Ni-Cu sulfide deposits.
2014	Kaihui Yang	Exploration and research in different cultures: Challenges and rewards.
2013	Anthony E. Williams-Jones	Rare earth element ore genesis—the great unknown.