

Shane Evans - CV

Date of Birth: 27 September 1977 **Nationality:** Australian

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Moombarriga Geoscience

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Complete MT Solutions

Email: shane.evans@complete-mt-solutions.com
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Employment Record

From: 2016 to present
Employer: Complete MT Solutions
Positions held: Director Acquisition
Location: Perth, Australia

From: 2005 to present
Employer: Moombarriga Geoscience
Positions held: Owner/Director
Location: Perth, Australia

From: 2000 to 2005
Employer: DeBeers Group
Positions held: Specialist Geophysicist
Location: Johannesburg, South Africa

From: 1997 to 1998
Employer: Rio Tinto
Positions held: Data Analyst (part time)
Location: Perth, Australia

Education:

Post Graduate

Queens University, Ontario, Canada 2001-2003

Masters of Science: Department of Geology and Geological Engineering

Thesis Title: A Magnetotelluric Investigation of the Northern Margin of the Trans-Hudson Orogen on Baffin Island, Nunavut, Canada.

Supervisors: Alan Jones, Colin Thompson

Significant Units:

Signal Processing and Inverse Theory

Geology of North America

Conductivity of Orogens

Magnetotelluric Theory

Tertiary

Curtin University of Technology, Perth, Australia 1995 – 1998

Bachelor of Applied Science (Hons): Geophysics

Honours Thesis Title : Review of Airborne Radiometric Methods and a Comparison of Noise Reduction Techniques.

Significant Units:

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|----------------|---|
| Geophysics 521 | Gravity, magnetics, signal processing (filtering, Eulerdeconvolution, analytic signal), image processing (ERMMapper, Intrepid, Geosoft) |
| Geophysics 522 | Seismic refraction, borehole logging, GPR |

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|------------------------------|---|
| 3 rd Year Geology | Structural Geology |
| Unit completed in | Igneous Petrology |
| Honours year | Economic Geology |
| | Environmental Geology |
| | Remote Sensing |
| Geophysics 324 | Seismic processing (promax), image processing (ERMMapper, Intrepid) |
| Geophysics 322 | Electromagnetics |
| Geophysics 323 | Seismic refraction and reflection, processing |
| Geophysics 321 | Gravity and magnetics |
| Geophysics 325 | IP and resistivity |

Published Papers

A Magnetotelluric Survey Across The Kimberley Craton, NorthernWestern Australia, J Spratt, MC Dentith, **S Evans**, ARA Aitken, M Lindsay, JA Hollis, IM Tyler and J Shragge. Report 136 Geological Survey of Western Australia. 2014

A Magnetotelluric Survey Across The Eastern Part Of The Capricorn Orogen, MC Dentith, SP Johnson, **S Evans**, ARA Aitken,A Joly, S Thiel and IM Tyler. Report 135 Geological Survey of Western Australia. 2014

A Magnetotelluric Traverse Across the Southern Yilgarn Craton, by MC Dentith, **S Evans**, S Thiel, L Gallardo, A Joly, and SS Romano. Report 121 Geological Survey of Western Australia. 2012

Imaging Crustal Structure in the West Musgraves Province from Magnetotelluric and Potential Field Data by AR Aitken, MC Dentith, **SF Evans**, LA Gallardo, A Joly, S Thiel, RH Smithies, and IM Tyler. Report 114 Geological Survey of Western Australia. 2012

M.R. Muller, A.G. Jones, R.L. Evans, H.S. Grütter, C. Hatton, X. Garcia, M.P. Hamilton, M.P. Miensofust, P. Cole, T. Ngwisanyi, D. Hutchins, C.J. Fourie, H.A. Jelsma, **S.F. Evans**, T. Aravanis W. Pettit, S.J. Webb, J. Wasborg and The SAMTEX Team, 2009.

Lithospheric structure, evolution and diamond prospectivity of the Rehoboth Terrane and western Kaapvaal Craton, southern Africa: Constraints from broadband magnetotellurics.
Lithos, 112S, 95-105. (Note: In Special Issue of Volume 112 devoted to 9th IKC.)

Alan G. Jones, Rob L. Evans, Mark R. Muller, Mark P. Hamilton, Marion P. Miensopust, Xavier Garcia, Patrick Cole, Tiyapo Ngwisanyi, David Hutchins, C.J.S. Fourie, Hielke Jelsma, **Shane F. Evans**, Theo Aravanis, Wayne Pettit, Sue Webb, Jan Wasborg and The SAMTEX Team.
Area selection for diamonds using magnetotellurics: Examples from southern Africa
Lithos, 112S, 83-92. (Note: In Special Issue of Volume 112 devoted to 9th IKC.)

Mark P. Hamilton, Alan G. Jones, Rob. L. Evans, **Shane F. Evans**, C.J.S. Fourie, Xavier Garcia, Andy Mountford, Jessica E. Spratt and the SAMTEX MT Team, 2006.
Electrical anisotropy of South African lithosphere compared with seismic anisotropy from shear-wave splitting analyses.
Physics of the Earth and Planetary Interiors, 158, 226-239.

Evans, S.F., A.G. Jones, J. Spratt and J. Katsube, 2005.
Central Baffin electromagnetic experiment (CBEX) maps the NACP in the Canadian arctic.
Physics of the Earth and Planetary Interiors, 150, 107-122.

Evans, S.F., A.G. Jones, J. Spratt and J. Katsube, 2003
CBEX2: Central Baffin electromagnetic experiment: Part 2
Geological Survey of Canada Current Research,

Jones, A.G., J. Spratt and **S.F. Evans**, 2002 CBEX: Central Baffin electromagnetic experiment
Geological Survey of Canada Current Research, 2002-C19.

Presented Papers

Evans S. F. 2010

Electrical Images of Archean Cratons : Links to Mineralised Zones Contributed
paper at:

The 5th International Archean Symposium, Perth, Australia.

Evans S. F., Jones A G, Evans R, Garcia X, Fourie S, Mountford A. 2006 The Southern African Magnetotelluric Experiment (SAMTEX): Adding Electrical Measurements to the Kaapvaal Puzzle Contributed paper at:
Australian Earth Sciences Convention, Melbourne, Australia.

S. F. Evans, R. Van Buren, A. G. Jones, R. L. Evans, X. Garcia, A. D. Chave, W. Soyer, M. Hamilton, J. Cole and the SAMTEX team. 2004.
Investigating The Relationship Between The Occurrence Of Diamond Mines And The Electrical Structure Of The Lithosphere.
Contributed paper at:
Geoscience Africa Forum, Johannesburg, South Africa, July

Evans, S., A.G. Jones, J. Spratt, and J. Katsube, 2002.
CBEX: Central Baffin electromagnetic experiment Contributed papers at:
16th EM Induction Workshop, Santa Fe, New Mexico, 12-15 June.

Snyder, D., **Evans, S.**, Jones, A.G. 2002
Teleseismic and MT studies of Central Baffin Island, Nunavut, Canada Contributed paper at:
Yellowknife Geoscience Forum, Yellowknife, NWT, Canada, November.

Evans, S., A.G. Jones, J. Spratt and J. Katsube, 2002.
CBEX: Central Baffin Electromagnetic Experiment Contributed paper at:
Fall AGU, San Francisco, 9-13 December.

Jones, A.G., J. Spratt and **S. Evans**, 2002. CBEX:
Central Baffin Electromagnetic Experiment
Contributed poster presentation at:
Cordilleran Roundup, Vancouver, B.C., Canada, 22-25 January.

Jones, A.G., Snyder, D., Ford, K.L, Spratt, J. and **Evans, S.**, 2001

Geophysical experiments in central Baffin Island Contributed
paper at:

Yellowknife Geoscience Forum, Yellowknife, NWT, Canada, 21-23 November.

Countries of Work Experience:

South Africa, Angola, Canada, Australia, Vanuatu, The Democratic Republic of Congo,
Botswana, Namibia, Brazil, Angola, India, Mexico, Grenada, Mongolia St Lucia and Papua
New Guinea.

Languages: English (good writing, speaking and reading)