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SECTION 5
BIOGRAPHIES

Australian Society of Exploration Geophysicists

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Pouya Ahmadi's background is mainly in physics based at Uppsala university, Sweden, While I was doing my Master in Geophysics under supervision of one of the best teachers and I should say friends 'Alireza Malehmir'. Now I am a PhD student in Curtin University hoping for a bright future.
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Paul Lennox has spent over thirty years researching regional geological problems. He has supervised honours and postgraduate studies of petroleum fields around the world. This current talk involves his PhD student constructing a 3D model of an area which Paul mapped within a fore-arc block, out of position within the Southern New England Orogen.
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Yusen Ley-Cooper is a research scientist at CSIRO in the Mineral Resources Research Flagship. Scientific interests His main area of research is in Airborne and ground electromagnetics. He looks at ways on interpreting and integrating geophysical surveys with Geology and data from other sources. Yusen uses inversion as a tool to assist him in interpretations and predictions of structure, for unveiling physical properties of the Earth's underlying materials such as aquifer architecture and mineral deposits. Background He obtained a Bachelor of geophysical engineering from National Autonomous University of Mexico (UNAM), where he majored in environmental and hydro-geophysics. Was awarded a Doctorate in 2007 from Monash University. Had a post-doctoral appointment at RMIT University in the applied physics department. Worked at Geoscience Australia in Geospatial and Earth Monitoring Division. Current activities Some of the projects that Yusen has recently been involved with; are: o Using geophysics in exploration focused on unveiling mineralization for a variety of commodities o Applying AEM to the characterization of overburden architecture o Employing airborne EM in assisting long term outback water solutions in Musgrave province and the Eyre Peninsula in South-Australia. o Using (EM) techniques to help characterise sedimentary coastal aquifers and variations associated with groundwater quality, and salt-water intrusions. o Combining the use of airborne and NMR techniques in order to find sources of ground water in Timor Leste. Yusen collaborates with colleagues in research organisations and industry on exploration projects mainly dealing with electrical and electromagnetic methods; for mineral prospecting and groundwater/environmental applications.
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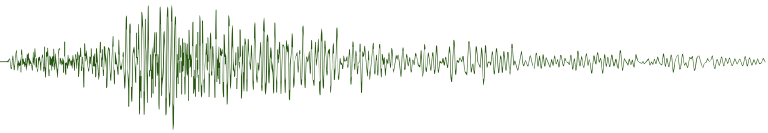

several research projects in countries such as Sweden, Finland, Canada, Iran, South Africa and Zambia. He is currently leading a SEG-GWB (Geoscientists Without Borders) funded project in Sweden focusing on the applications of geophysical methods to study clay-related landslides and a larger project on the development of multicomponent seismic and electromagnetic methods for urban underground infrastructure planning. He is a member of SEG, EAGE and EGU, serves in the editorial board of Nature Scientific Reports and is acting or acted as a guest editor (and associate editor) for two special sections in Geophysics and Interpretation journals.
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