



DET CRC Annual Conference: Uncovering the Future VI
25 October 2016 – 28 October 2016, Swan Valley, WA

Programme

Tuesday 25 October 2016		
Workshops		
9:30 am – 4:30 pm	Petrophysics Appreciation Day <ul style="list-style-type: none"> Petrophysical versus structural approaches to cooperative inversion DET CRC technologies for recovering petrophysical parameters while drilling Petrophysics for rock mass characterization. Australian Resources Research Centre (ARRC), 26 Dick Perry Ave, Kensington <i>Please note: this all day workshop is broken into three sessions, delegates are welcome to attend one or all parts. See website for further details</i>	Brett Harris/Anton Kepic, DET CRC, Curtin University
9:00 am – 12 noon	MSDP Seismic Workshop Australian Resources Research Centre (ARRC), 26 Dick Perry Ave, Kensington	Andrej Bona, DET CRC, Curtin University
1:00 pm – 4:30 pm	Drilling Fluids and Bit/Rock Interaction Workshop Building 619, Curtin University, Kent St, Bentley	Masood Mostofi, DET CRC, Curtin University
6:30pm	Welcome BBQ Novotel Vines Resort, Swan Valley, Verdelho Drive, The Vines WA 6069	

Wednesday 26 October 2016		
Novotel Vines Resort Swan Valley, Verdelho Drive, The Vines WA 6069		
8:00 am – 10:00 am	OPENING SESSION	Chair: Tom Whiting, Chair, DET CRC
8:00 am – 8:30 am	Registration	
8:30 am – 9:00 am	CEO's Overview of DET CRC	Richard Hillis, CEO, DET CRC
9:00 am – 9:30 am	Keynote: Research to Meet the Needs of Industry	Jill Terry, Vice President Geoscience, BHP Billiton
9:30 am – 10:00 am	DET CRC Student Thesis Competition	Chair: Caroline Forbes, DET CRC/University of Adelaide
10:00 am – 10:30 am	Morning Tea & PhD Poster Session	
10:30 am – 12 noon	SESSION 1	Chair: Erica Smyth, DET CRC Director
10:30 am – 11:00 am	Program 1: Drilling	Soren Soe, Program 1 Leader, DET CRC
11:00 am – 11:30 am	Keynote: Achieving the 'Cooperative' in a Cooperative Research Centre	Allan Trench, University of Western Australia
11:30 am – 12:00 pm	MSDP 2015-2016	Robbie Rowe, Manager Research Integration, DET CRC
12:00 pm – 1:00 pm	Lunch & PhD Poster Session	
1:00 pm – 2:30 pm	SESSION 2	Chair: Phil Harman, DET CRC Director
1:00 pm – 1:30 pm	Program 2: Logging and Sensing	Brett Harris, Program 2 Leader, DET CRC/Curtin University
1:30 pm – 2:30 pm	Panel Discussion: Where Are We in the Mining Cycle and What Are the Implications for Technology Development?	Derek Loughlin, Chief Executive Officer, REFLEX; Joe Knight, Head of Geoscience and Exploration WAIO, BHP Billiton, and; John Raston, Executive Director, Miro Advisors
2:30 pm – 3:00 pm	Afternoon Tea	
3:00 pm – 4:30 pm	SESSION 3	Chair: Lindsay Gilligan, DET CRC Director
3:00 pm – 3:30 pm	Program 3: Targeting	David Giles, Program 3 Leader, DET CRC/University of Adelaide
3:30 pm – 3:50 pm	Commercialisation Highlights	Ian Hardwick, CFO, DET CRC
3:50 pm – 4:10 pm	Status of New CRC Bid	Richard Hillis, CEO, DET CRC
4:10 pm – 4:30 pm	National Drilling Initiative	David Giles, Program 3 Leader, DET CRC/University of Adelaide
5:30 pm	Coach Transfer to CT Rig Launch & Conference Dinner	
6:00 pm	CT Rig Launch / Group Photograph	
7:00 pm	Conference Dinner Sandalford Wines, 3210 West Swan Road, Caversham	

Thursday 27 October 2016 Novotel Vines Resort Swan Valley, Verdelho Drive, The Vines WA 6069		
8:30 am - 10:00 am	OPENING SESSION: Emerging Products	Chair: Andrew Bailey, Manager Projects, Geoscience and Exploration, BHP Billiton
8:30 am - 9:00 am	Keynote: State of the Art Characterisation	Farouk Hamadeh, Australasia Marketing Manager – Wireline, Schlumberger
9:00 am - 9:30 am	Commercialisation of AutoSonde and Wireless Sub	Mike Ravella, Director Geological Data Services, Boart Longyear
9:30 am - 10:00 am	Commercialisation of Lab-at-Rig®	James Cleverley, Product Manager – Assay While Drilling REFLEX
10:00 am -10:40 am	Morning Tea	
10:40 am – 12:00 pm	MORNING SESSION: Research Challenges 1	Chair: Chair: Chris Lambert, Senior Product Manager, Boart Longyear
10:40 am – 11:00 am	RoXplorer® – From Concept to Realisation	Shane Fox, Researcher, DET CRC/Boart Longyear
11:00 am – 11:20 am	The Bottom Hole Assembly	Thomas Richard, Researcher, DET CRC/Epslog
11:20 am – 11:40 am	Delivering a Valuable Sample From the CT rig	Masood Mostofi, Researcher, DET CRC/Curtin University
11:40 am – 12:00 pm	Drilling Optimisation Using the Wireless Sub (Man vs Machine)	Stephen Banks, Project Leader, DET CRC/CSIRO
12:00 pm – 12:40 pm	Lunch	
12:40 pm – 1:40 pm	Participants Meeting	Affiliates Meeting
1:40 pm - 3:20 pm	AFTERNOON SESSION: Research Challenges 2	James Cleverley, Product Manager – Assay-While-Drilling, REFLEX
1:40 pm – 2:00 pm	New Sensors for the AutoSonde and AutoShuttle	Anton Kepic, Project Leader, DET CRC/Curtin University
2:00 pm – 2:20 pm	Modelling the Subsurface by Joint Inversion	Brett Harris, Program 2 Leader, DET CRC/Curtin University
2:20 pm – 2:40 pm	Seismic in the Drilling Workflow	Andrej Bona, Project Leader, DET CRC/Curtin University
2:40 pm – 3:00 pm	New Sensors and Better Sensors for the Lab-at-Rig®	Yulia Uvarova, Project Leader, DET CRC/CSIRO
3:00 pm – 3:20 pm	Real Time Chemistry for Fluid Management	Nathan Reid, Researcher, DET CRC/CSIRO
3:20 pm - 4:00 pm	Afternoon Tea	
4:00 pm - 5:30 pm	CLOSING SESSION: The Rig of the Future	Chair: Andrew Scott, Senior Director - Digital Mining, Barrick
4:00 pm – 4:30 pm	Breaking Ground with the CT rig – Trials and Pathway to Commercialisation	Soren Soe, Program 1 Leader, DET CRC
4:30 pm – 5:00 pm	Downhole Sensors for CT drilling	Mike Carson, Researcher, DET CRC/Curtin University
5:00 pm – 5:30 pm	Lab-at-Rig® for CT drilling	Ben Vanderhoek, Researcher, DET CRC /Uni of Adelaide
5:30 pm – 5:40 pm	Chair Reflections and Closing	Tom Whiting, Chair, DET CRC
6:30 pm	Informal Dinner Novotel Vines Resort, Swan Valley, Verdelho Drive, The Vines WA 6069	

Friday 28 October 2016 Novotel Vines Resort Swan Valley, Verdelho Drive, The Vines WA 6069		
8:30 am – 10:30 am	DET CRC PhD Session Barrett Lennard Room (a), Novotel Vines Resort (please note that breakfast is included)	
9:00 am - 12 noon	DET CRC Science Steering Committee Meeting Barrett Lennard Room (b) , Novotel Vines Resort Swan Valley, Verdelho Drive, The Vines	
9:00 am – 12 noon	DET CRC Project Meetings Project Leaders to arrange meetings with Project teams	