

**T22.7 - Energy in a Carbon Constrained World***Date* **Wednesday, 31 August 2016***Time* **08:00** to **10:00***Chair**Room* **Westin - Marco Polo**

Times		Paper # Title	Speaker	
08:00	08:30	5565 Moving CCS Forward: Bridging the Industrial Divide – Learnings from the CO2CRC Otway Project, Australia	Dr. Matthias Raab	Keynote
08:30	08:45	1325 United Nations Framework Classification 2009	Mr. Sean Davids	
08:45	09:00	3496 The Pilot Site Ketzin, Germany – Lessons Learnt on CO2 Storage	Dr. Mario Wipki	
09:00	09:15	510 Geologic Carbon Storage at a One Million Tonne Demonstration Project: Lessons Learned from the Illinois Basin – Decatur Project, USA	Dr. Sallie E Greenberg	
09:15	09:30	1096 THE PLAINS CO2 REDUCTION PARTNERSHIP: DEVELOPING TECHNOLOGIES FOR CCS DEPLOYMENT IN CENTRAL NORTH AMERICA	Mr. Edward Steadman	
09:30	09:45	3157 Large Pilot Scale Testing of Linde/BASF Post-Combustion CO2 Capture Technology at the Abbott Coal-Fired Power Plant, Illinois USA	Sallie E Greenberg	
09:45	10:00	128 Evaluation of CO2 storage potential on the Norwegian Continental Shelf	Mrs. Eva Halland	

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10:30	10:45	2411 The importance of understanding geochemical baselines for CCS monitoring	Ms. Salvatore Lombardi
10:45	11:00	4493 The Bongwana Natural CO2 Release	Mr Nigel Hicks
11:00	11:15	2397 The natural CO2 leaking laboratory offshore Panarea Island, Italy	Mr. Salvatore Lombardi
11:15	11:30	2405 The development and application of GasPro pCO2 sensors for CCS monitoring	Ms. Sabina Bigi
11:30	11:45	3497 Challenges and Analytic Opportunities Associated with the Concept of Net Carbon Negative Oil	Ms. Sarah Forbes
11:45	12:00	5275 Monetized Leakage Risk of Geologic CO2 Storage and the Role of Secondary Trapping in Intervening Stratigraphic Layers	Prof. Jeffrey Bielicki

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14:00	14:15	3456 Geothermal resource assessment of the St. Lawrence Lowlands sedimentary basin, Québec, Canada	Dr. Michel Malo
14:15	14:30	2322 Application Effect of Microtremor Survey Method in the Exploration of Geothermal Resource	Prof. Peifen Xu
14:30	14:45	1933 Geothermal heat from generated geothermal energy systems (GeneSys)	Dr. Peter Gerling
14:45	15:00	4247 Optimally Extracting Geothermal Heat from Sedimentary Basins Using Carbon Dioxide	Prof. Jeffrey Bielicki
15:00	15:15	3826 Preliminary remote sensing analyses of the Alid Volcanic Geothermal District (ERITREA)	Prof. Antonio Galgaro
15:15	15:30	1675 A new technique for reactive transport modelling in carbonate reservoirs utilized for CO2 sequestration	Dr. Tina Roberts-Ashby

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	2701 Assessment of the total CO2 storage capacity of shales – upscaling from sorption and reservoir data	Dr. Marcin Lutynski
	3108 Geothermal energy from the Main Karoo Basin: New insights from borehole KVV-1 (Eastern Cape, South Africa)	Professor Annette E. Goetz
	559 Assessment of the geothermal potential of the Main Karoo Basin (South Africa): An outcrop analogue study of Permian sandstone reservoir formations	Professor Annette E. Goetz
	2303 Characteristics and Origin of Dawsonite in Songliao Basin, China: A natural analogues for CO2 sequestration in deep-saline aquifers	Dr. Li Liu
	1780 Study of the evaluation of the reservoir temperature for geothermal system: Geothermometry in Boloang Mongondow Area, Province of North Sulawesi, Indonesia	Mr. Sayyed Faturahman
	4320 Fracture Controlled CO2 gas migration at the Bongwana Natural CO2 Release Site, South Africa.	Mr. Nigel Hicks
	2391 An overview of research at the Latera Caldera, Italy, natural CO2 analogue site	Mr Salvatore Lombardi
	332 Stratigraphy, Hydrothermal Alteration and Thermal evolution of the Domes field, Olkaria Geothermal System, Kenya	Mr. XAVIER MUSONYE
	5464 Paleostress reconstruction based on minor faults in core	Msgr. Sehyeon Gwon
	2399 CO2 storage project in Italy: the Sulcis Coal Basin, Italy	Ms. Sabina Bigi
	2707 Carbon dioxide sorption on gas bearing shale and halloysite	Dr. Marcin Lutynski
	1772 HIGH TEMPERATURE HYDROTHERMAL ALTERATION IN ACTIVE GEOTHERMAL SYSTEMS: A CASE STUDY OF OLKARIA DOMES	Mr. James Nyandigisi
	1673 Modelling the geology of the GeoEnergy Test Bed, East Midlands UK	Dr. Tim Pharaoh
	1216 Geological subsurface data collection as a part of the European ESTMAP Project (Energy STORAGE Mapping and Planning)	Dr. Laurent Beccaletto
	3931 Detection of Fractures Acting as Hydrothermal Fluid Path by Lineament Analysis and Radon Gas Measurement	Prof. Katsuaki Koike
	2727 Preliminary Assessment of the Puchuldiza-Licancura Geothermal Field in the Central Andean Volcanic Zone, northern Chile	Dr. Eugenio Veloso Dr. Felipe Aron Ms. Estefania Camus Dr. Jose Cembrano Dr. Gloria Arancibia Dr. Diego Morata
	1370 Petrology and geochemistry characteristics of mudstone interlayer within the paleo-CO2 reservoirs, in the Southern Songliao Basin, China	Prof. Li Liu Doctoral student Xiaoran Ming lecturer Na Liu Doctoral student Lei Yu Graduate student Hanggai Bai Senior Engineer Chunyan Hu
	2019 Geological Review of Eburru-Badlands Geothermal prospect; Surface structural and geological mapping	Ms. Irene Ronoh
	2563 Efficiency analysis of geothermal heating and cooling system using groundwater in South Korea	Dr. JINSUNG KIM
	2920 Structural controls on geothermal activity in the eastern Mediterranean region: example of the Main Menderes area (Western Turkey)	Mr. Vincent Roche

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	4373 Experimental Investigation on the Reactivity of Mg-orthopyroxene and Ca-plagioclase under Direct Aqueous Mineral Carbonation – Eastern Bushveld Igneous Complex Case Study.	Mr. Zakhele Nkosi
	2069 General Characteristics of Geothermal Resources in Madagascar	Dr. Lala Andrianaivo
	4460 Geothermal potential of Triassic limestones of the Pannonian Basins System: New insights from a deep borehole of Central Hungary	Professor Annette E. Goetz
	1935 Alteration mineralogy of Karisimbi products from well KW01 through Geothermal Prospect, Nyabihu District, NW-Rwanda	Dr. Digne Edmond Rwabuhungu Rwatangabo
	4552 Geothermal fluid circulation within a -regional scale- carbonate reservoir. A review of data from Western Sicily, Italy.	Dr. Domenico Montanari