

		Ballroom A	Ballroom B	Ballroom C	Suite 3	Balcony Room 4
Sunday 11 September	8.30 - 10.00	Workshop: Characterisation and evaluation of vapour intrusion	Workshop: Health risk assessment of contaminated sites – pitfalls and some handy tips	Workshop: Science communication	Workshop: 1st National Forum and Workshop on fire-fighting foams and the environment	Workshop: Software solutions in groundwater – introducing MIKE SHE and FEFLOW
	10.30 - 12.30			Workshop: Grant writing		
	1.30 - 3.00					
	3.30 - 5.00	Welcome reception				
	5.00 - 5.30	Official conference opening				
	5.30 - 5.45					
	5.45 - 6.45	Brian Robinson memorial lecture				
Monday 12 September	8.30 - 10.10	Permeable reactive barriers	Socio-economic drivers for remediation	Innovative site assessment tools and techniques	Industry Summit (Invite only)	
	10.40 - 12.20			Innovative site characterisation and assessment		
	1.20 - 3.00		Emerging contaminants			
	3.40 - 5.00	Drinks and poster session				
	5.00 - 6.00	BBQ dinner				
	6.30 - 10.00					
Tuesday 13 September	9.00 - 10.00	Plenary lecture				
	10.40 - 12.20	E-waste	Sustainable remediation	Toxicological measurements and characterisation	Regulator Session (Invite only)	
	1.20 - 3.00			The effects of contaminants on human health		
	3.40 - 5.00	Remediation of metals and metalloids in soils and groundwater				
	5.00 - 6.00	Drinks and poster session				
Wednesday 14 September	8.30 - 10.10	BHP - Hunter River remediation project	Resource utilisation	Defence Symposium (Invite only)	Bioavailability of contaminants	
	10.40 - 12.40		Resource management			
	1.40 - 3.00	Remediation case studies	Resources characterisation			Bioremediation
	3.40 - 5.00		Resource value-addition		In-situ chemical oxidation	
	5.00 - 6.00	Drinks and poster session				
	7.00 - 12.00	Conference gala dinner				
Thursday 15 September	9.00 - 10.20	Nanotechnology for environmental remediation	Vapor intrusion: Sampling and assessment	Risk based management and cleanup approaches	Advances in chemical remediation	
	10.50 - 12.30					
	1.30 - 3.10					Advances in remediation technology
	3.40 - 4.30	Closing plenary lecture				
	4.30 - 4.40	Conference Closing				
Friday 16 September	8.30 - 5.30	Technical Tour 1: Sustainable resource management	Technical Tour 2: Remediation technologies for contaminated soil and groundwater			

Conference program planner

		Ballroom A		Ballroom B		Ballroom C		Suite 3			
8.30 - 8.50	Permeable Reactive Barriers	Scott Warner, AMEC Earth and Infrastructure	Two decades of application of PRBs to groundwater remediation: Major achievements and overview	Roel Plant, University of Technology, Sydney	Value-based land remediation – Opportunities for the remediation industry	Luke Cattlin, Tonkin and Taylor Pty Ltd	Confirmation of the use of innovative site assessment tools – X-ray fluorescence	Minerals Industry Summit	Minerals Industry Summit (Invitation only)		
8.50 - 9.10		Volker Birke, Ostfalia University	Impact of trace elements and impurities in technical grade zero valent iron brands on degradation of chlorinated ethenes in groundwater	Sue Corlette, URS Australia Pty Ltd	Industrial symbiosis and the UK: The impact of the first 5 years of a nationally facilitated programme	Camillo Coladonato, Environmental Resources Management (ERM)	High resolution site characterisation: An innovative approach to site investigations to support effective decision making				
9.10 - 9.30				Biruck D Yirsaw, CERAR, UniSA	Solidarity for environmental health in Ethiopia: A qualitative study of stakeholders' views	Lowell Kessel, Environmental Remediation Resources Pty Ltd.	Stable isotope probing to document biodegradation under monitored natural attenuation conditions				
9.30 - 9.50				Joanne Chong, University of Technology, Sydney	Value-based land remediation: A case study of EU-funded contaminated site rehabilitation of Lami dump, Fiji	Sven Hoffmann, URS Australia Pty Ltd	Plugging the gaps: A groovy conceptual site model and how to validate it				
9.50 - 10.10				Wil van Deur, CRC CARE	The Dutch approach	Hui Tan, CERAR, UniSA	Anionic surfactant biosensor based on gold electrode and organic-inorganic hybrid material				
10.10 - 10.40	Morning tea										
10.40 - 11.00	Permeable Reactive Barriers	Ralph Ludwig, U.S. EPA	PRBs for treatment of chromium ground water contamination	Brett Roman, GHD	Effective risk communication to enable a school expansion on a site with elevated methane	David Dangerfield, AECOM	Fire damaged asbestos: Case study part two - Remediation of asbestos in soil	Minerals Industry Summit	Minerals Industry Summit (Invitation only)		
11.00 - 11.20		Rick Wilkin, U.S. EPA	Groundwater arsenic treatment using permeable reactive barriers: An overview from field and laboratory testing	Sean Shiels, EPA Victoria	A LCA-based approach to decision-making for contaminated sites	Mike van Alphen, UniSA	Asbestos in air and soil				
11.20 - 11.40				Jason Prior, University of Technology, Sydney	Opportunities for value creation: An institutional analysis of remediation decision-making processes at three Australian sites	Mark Britton, DHI Water and Environment Pty Ltd	The role of numerical flow and transport models as decision support systems in remediation projects				
11.40 - 12.00				Ronald Giese, Groundwater Centre Dresden	Reactive (Oxygen) gas barrier and zone technology	Panel discussion				Victor Arias Espana, CERAR, UniSA	Before and after purge sampling, is there any difference?
12.00 - 12.20				Edward Wu, Coffey Environments	Applying numerical methods to improve low flow sampling technique						
12.20 - 1.20	Lunch										
1.20 - 1.40	Permeable Reactive Barriers	Franz-George Simon, BAM Federal Institute for Materials Research	Effective cleanup of groundwater contaminated with uranium using permeable reactive barriers	Rao Surampalli, U.S. EPA	Emerging contaminants in the environment	Stephen McKeown, GHD	Contamination assessment of a fuel pipeline in NSW - the challenge of multiple sources of contamination in a heavy industrial area	Minerals Industry Summit	Minerals Industry Summit (Invitation only)		
1.40 - 2.00		Kandasamy Thangavadiel, CERAR, UniSA	Choosing the best design and construction technologies for permeable reactive barriers	Annegret Biegel-Engler, Federal Environment Agency, Germany	Regulation of PFOA under REACH	Leigh Sullivan, Southern Cross University	A new method for assessing acid neutralising capacity in acid sulfate soil materials				
2.00 - 2.20				Jimmy Kao, National Sun Yat-Sen University	Assessment of sediment toxicity in Kaohsiung Harbor, Taiwan	Chamindra Vithana, Southern Cross University	Underestimation of retained acidity measured using the net acid soluble sulfur (SNAS) method in acid sulfate soils containing schwertmannite and jarosite				
2.20 - 2.40				James Stenning, Orica Australia Pty Ltd	The history of Australia's first reactive iron barrier	David Springer, Envirolab Group	The dangers of using ice in sample eskies				
2.40 - 3.00						Vishnu Pareek, Curtin University	Vulnerability of indoor air to airborne threats released inside a building				
3.00 - 3.40	Afternoon tea										
3.40 - 4.00	PERMEABLE REACTIVE BARRIERS	Greeni Chadalavada, CRC CARE	Groundwater modelling using PRBs - General aspects, case studies	Ming Hung Wong, Hong Kong Baptist University, Hong Kong	Sources, fates and effects of emerging chemicals, with emphasis on the Pearl river delta, one of the world's mega deltas	Geoff Anderson, ALS Environmental Division	Groundwater analysis: Minimising false positives and negatives - A key step in effective groundwater remediation	Minerals Industry Summit	Minerals Industry Summit (Invitation only)		
4.00 - 4.20		TBC	TBC	TBC	Tbc	Peter Beck, GHD	Causes and effects of random variance in spatial data sets and effects on reliability of contamination distribution interpretation				
4.20 - 4.40						Andrew Kohlrusch, GHD	Contaminated site assessments - It's more than just numbers				
4.40 - 5.00						TBC	TBC				
5.00 - 6.00						TBC	TBC				

4th International Contaminated Site Remediation Conference

	Ballroom A		Ballroom B		Ballroom C		Suite 3										
9.00 - 1.00	TBC	TBC															
10.00 - 10.40	Morning tea																
10.40 - 11.00	eWaste	Kenneth Saiwan, Savannah State University	Electronic waste and its management in developing nations	Sustainable Remediation	Paul Nathanail, University of Nottingham, UK	Sustainable remediation: Emperor's clothes, technicolour dreamcoat or baroque grotesque?	Toxicological measurements and characterisation	Cheng Peng, University of Queensland	Development of a three dimensional hanging drop cell exposure system (HDCES) for toxicological studies	Regulators Meeting	Regulators Meeting (Invitation only)						
11.00 - 11.20								Faye Liu, University of Queensland	Hanging drop, a novo in-vitro air benzene exposure model								
11.20 - 11.40								Suthipong Sthiannopkao, National Cheng Kung University	Comparison of eWaste management strategies between developed and developing countries			Jonathan Smith, Shell Global Solutions (UK)	Benchmarking of sustainable remediation decision-support tools used in a tiered sustainability appraisal framework	Prakash Shiva, University of Queensland	Improved in-vitro toxicology of inhalable iron-rich particles from mining industries		
11.40 - 12.00								Masahiro Oguchi, National Institute for Environmental Studies, Japan	Characterisation and flow analysis of substances contained in eWaste in Japan for better management in future			Peter Nadebaum, GHD	Do our clean up projects currently accord with the concept of sustainable remediation?	Kavitha Ramadass, CERAR, UniSA	Toxicity of used and fresh engine oils to earthworm survival and soil health		
12.00 - 12.20								TBC	TBC			Kevin Simpson, URS Australia Pty Ltd	A net benefit approach to determining endpoints for active remediation systems	Suresh Ramraj Subashchandrabose, CERAR, UniSA	Toxicity of PAHs and heavy metals alone and in combination to microalgae		
12.20 - 1.20	Lunch																
1.20 - 1.40	eWaste	Ming Man, Hong Kong Baptist University, Hong Kong	Release of persistent toxic substances from uncontrolled eWaste recycling and actions for our future	Sustainable Remediation	Jonathan Ho, Parsons Brinckerhoff	Remediation optimisation: Operation and monitoring of active remediation systems at remote sites	The effects of contaminants on human health	TW Wong, The Chinese University of Hong Kong	Effects of contaminants on human health and persistent organic pollutants in Hong Kong mothers	Regulators Meeting	Regulators Meeting (Invitation only)						
1.40 - 2.00												Yu Bon Man, Hong Kong Baptist University	Health risk assessment of abandoned farm soils after changing land use in Hong Kong, one of the world's mega cities	David Tully, Coffey Environments	Prospects for the utilisation of in-situ thermal remediation techniques in Australia		
2.00 - 2.20												Peeranart Kiddee, CERAR, UniSA	Heavy metals and polybrominated diphenyl ethers (PBDEs) in leachates from Australian landfills: Implications to electronic waste management	John Hunt, Theiss Services Pty Ltd	Sustainability metrics for a range of thermal remediation methods	Paul Lam, Hong Kong Baptist University	Impact of environmental pollution on human health – Should health care delivery system be radically reformed?
2.20 - 2.40												Janet Chan, The University of Hong Kong	Body loadings and health risk assessment of dioxins at an intensive electronic-waste processing site in China	Luke Cattlin, Tonkin and Taylor Pty Ltd	Sustainable remediation examples of groundwater contaminated with TCE in a fractured rock aquifer	Jamal Hisham Hashim, United Nations University-International Institute for Global Health	Arsenicosis in Cambodia from exposure to arsenic in groundwater
2.40 - 3.00												Guan Hua Xing, China National Environmental Monitoring Centre, China	Assessment of bioaccessibility of PCBs in different food using an in vitro digestion model	Geoff Anderson, ALS Environmental Division	Reducing sample volumes for the analysis of organic compounds: Improving sustainability in remediation		
3.00 - 3.40	Afternoon tea																
3.40 - 4.00	Remediation of Metals and Metalloids in Soils and Groundwater	Mohammad Mahmudur Rahman, CERAR, UniSA	Concentration of arsenic in home grown vegetables	Sustainable Remediation	Peter Nadebaum, GHD	Sustainable management of contaminated sites: Evaluating the containment option	The effects of contaminants on human health	Eddy Zeng, Guangzhou Institute of Geochemistry, Chinese Academy of Science	Persistent organic pollutants in the Pearl River delta (south China): Environmental processes and potential health risk via seafood consumption	Regulators Meeting	Regulators Meeting (Invitation only)						
4.00 - 4.20												Adam Wightwick, University of Queensland	Industry wide approaches to risk assessment: A case study of copper in Australian vineyards				
4.20 - 4.40												Stephen McKeown, GHD	Remediation of a plume of acidic Zinc contaminated groundwater in Yagoona, NSW	Discussion	TBC	TBC	
4.40 - 5.00												Girish Choppala, CERAR, UniSA	A magic weed to weed out chromium contamination		TBC	TBC	
5.00 - 6.00																	

Program - Tuesday 13 September

4th International Contaminated Site Remediation Conference

Program - Wednesday 14 September

		Ballroom A		Ballroom B		Ballroom C		Suite 3	
8.30 - 8.50	BHP - Hunter River remediation project	Hunter River remediation project - Delivering environmental excellence at Australia's largest remediation project		Keith Syers, Naresuan University	Management of phosphorus in organic amendments for sustainable production and environmental protection.	Defence Symposium (invitation only)		Albert Juhasz, CERAR, UniSA	Use of in vitro techniques to predict the relative bioavailability of arsenic, cadmium and lead via the incidental soil ingestion pathway
8.50 - 9.10				Ya-Feng Zhou, University of Queensland	Use of alum-derived water treatment sludge to remove heavy metals from aqueous solutions			Nick Basta, The Ohio State University	Use of in vitro or soil property models to assess toxic metal bioavailability in soil: Validation to support regulatory acceptance
9.10 - 9.30				Bo Xiao, Huazhong University of Science and Technology	A novel treatment of livestock waste using combined underground river digester with UASB system			Nanthi Bolan, CERAR, UniSA	Environmental monitoring of the role of phosphate compounds in enhancing immobilisation and reducing bioavailability of lead in contaminated soils
9.30 - 9.50				Anihta Kunhikrishnan, CERAR, UniSA	Mobility and phytoavailability of copper in the presence of recycled water sources			Kirk Semple, Lancaster University	TBC
9.50 - 10.10								Jose-Julio Ortega-Calvo, Instituto de Recursos Naturales y Agrobiologia de Sevilla - CSIC	Designing strategies to increase bioavailability in bioremediation of PAHs
10.10 - 10.40	Morning Tea								
10.40 - 11.00	BHP - Hunter River remediation project	Hunter River remediation project - Delivering environmental excellence at Australia's largest remediation project		Christine Blanchard, Local Government Association of Queensland	Waste management approaches to maximise reuse in natural disasters	Defence Symposium (invitation only)		Graeme Paton, The University of Aberdeen	TBC
11.00 - 11.20				Ho Kyong Shon, University of Technology, Sydney	Substrate-specific solar light photocatalytic activity of titania produced from Ti-salt flocculated sludge			Richard Bentham, Flinders University	Enhanced degradation of pyrene by an environmental isolate of Bacillus megaterium in the presence of diesel
11.20 - 11.40				Manoj Shrivastava, Bhabha Atomic Research Centre	Utilisation of distillery effluent for fertigation of sugarcane			Sharyn Gaskin, Flinders University	Monitoring in situ bioremediation of hydrocarbon-contaminated soil at sub-antarctic Macquarie Island using microbial assays and FTIR
11.40 - 12.00				Dane Lamb, CERAR, UniSA	Phytocapping: An alternative technology for the sustainable management of landfill sites			Tanya Caceres, TC Environmental Consultancy	Hydrolysis of fenamiphos and its toxic oxidation products by Microbacterium sp. in pure culture and groundwater
12.00 - 12.20				Dustin Moore, University of Technology, Sydney	Landfills: sustainability costs and challenges of waste management			Albert Juhasz, CERAR, UniSA	Can the extent of TPH and PAH bioremediation be predicted using bioaccessibility assays?
12.20 - 12.40	Panel discussion				Brajesh Singh, University of Western Sydney	Genomics and nanotechnology: Future of bioremediation			
12.40 - 1.40	Lunch								
1.40 - 2.00	Remediation case studies	Joop Harmsen, Alterra	Spreading of slightly polluted sediment on agricultural land	Richard Haynes, University of Queensland	Use of organic amendments and residue mud to improve the properties of bauxite residue sand as a growth medium	Defence Symposium (invitation only)		William Butler, Environmental Resources Management (ERM)	Full-scale application of an anaerobic bioremediation to remediate TCE in groundwater
2.00 - 2.20		Mark Yetman, Indian and Northern Affairs Canada	Remediating contaminated sites in northern Canada	Danny Slee, National Measurement Institute	Analysis of PCBs in biosolids and other waste materials			Elise Asquith, University of Newcastle	Comparative bioremediation of petroleum hydrocarbon-contaminated soil by biostimulation, bioaugmentation and surfactant addition
2.20 - 2.40		Fouad Abo, GHD	Groundwater remediation in newer volcanic basalt geology: Optimise the effectiveness of active remediation	Erica Donner, CERAR, UniSA	Metal speciation and distribution in biosolids			Peter Moore, WSP Environment & Energy	Microcosm studies & advanced site diagnostics to assess in-situ remedial options of a mixed chlorobenzene and chlorinated ethene groundwater plume
2.40 - 3.00		Adrian Heggie, Parsons Brinckerhoff	Remediating and managing risk at the Dubbo benzene/MTBE plume	Yanju Liu, CERAR, UniSA	Composition of red mud varies depending on source refineries			Philip Block, FMC Corporation	The intersection of chemical oxidation and bioremediation: The impact of persulfate on microbial populations
3.00 - 3.40	Afternoon tea								
3.40 - 4.00	Remediation case studies	Graham Hawkes, Parsons Brinckerhoff	Challenges overcome during the remediation of the Boral Brickworks site for residential redevelopment, Woonona NSW	Nanthi Bolan, CERAR, UniSA	Enhancing soil carbon sequestration utilising compost	Defence Symposium (invitation only)		George Hoag, VeruTEK Technologies	Surfactant enhanced in-situ chemical oxidation (S-ISCO®) of former gas works site in the United States
4.00 - 4.20		Adrian Hall, GHD	Mead street, Birkenhead - residential future for gasworks site poses challenges for auditor	Oxana Belyaeva, University of Queensland	Use of organic amendments to improve the properties of coal fly ash as a growth medium			Will Ellis, Environmental Resources Management (ERM)	Assessing the Application of ISCO in the Subsurface
4.20 - 4.40		Richard Bush, Southern Cross University	Lime assisted tidal exchange as a low cost technology for broad scale acid sulfate soil remediation	Choonsig Kim, Department of Forest Resources, Gyeongnam National University of Science and Technology	Carbon dynamics of three even-aged coniferous plantation on a similar site condition			Regin Orquiza, Environmental Earth Sciences	Remediation of chlorinated hydrocarbon impacted groundwater using in-situ chemical oxidation (ISCO), western suburb, Victoria
4.40 - 5.00		TBC	TBC	Balaji Seshadri, CERAR, UniSA	Effect of coal combustion products on the leaching of phosphorus in soils			David Tully, Coffey Environments	In-situ chemical oxidation for remediation of petroleum hydrocarbon impacted groundwater utilising innovative delivery and dispersion methodologies
5.00 - 6.00									

4th International Contaminated Site Remediation Conference

Program - Thursday 15 September

	Ballroom A		Ballroom B		Ballroom C		Suite 3							
9.00 - 9.20	Nanotechnology for environmental remediation	Tian Zhang, University of Nebraska-Lincoln	Nanotechnology: Environmental applications and implications	Vapor intrusion: Sampling and assessment	Greg Davis, CSIRO Land and Water	Effects of fine-scale sources on mixed hydrocarbon, chlorinated and ketone vapour behaviour	Risk based management and cleanup approaches	Zoe Squire, AECOM	Accounting for chemical saturation and solubility limits in the derivation of site specific remediation criteria	Advances in chemical remediation	TBC	TBC		
9.20 - 9.40		Zuliang Chen, CERAR, UniSA	Synthesis, characterisation and environmental applications of iron-based nanoparticles		Jackie Wright, Environmental Risk Sciences Pty Ltd	Establishing exclusion criteria from empirical data for assessing petroleum hydrocarbon vapour intrusion		Peter Beck, GHD	Composite samples: Do they offer value when considering average exposure concentration over decision areas?		Barry Noller, Centre for Mined Land Rehabilitation	Risk assessment of heavy metals and metalloids from historical mine practices in the Leichhardt River and surrounding locations	Pamela Dugan, Carus Corporation	Enhanced TCE DNAPL mass removal through surfactant and polyphosphate permanganate oxidation
9.40 - 10.00		Jan Herrmann, National Measurement Institute	Multi-technique approach to size characterisation of nanoparticles		Ruth Jarman, Parsons Brinckerhoff	Vapour intrusion modeling with biodegradation to support the assessment of human health risk at a contaminated site		Emma Walsh, CH2MHILL	Approach to groundwater remediation - London case study		Steven Suib, University of Connecticut	Mimicking nature: Oxidation of 2,4,6-Trichlorophenol with mixed valent manganese oxides (K-OMS-2)		
10.00 - 10.20														
10.20 - 10.50	Morning tea													
10.50 - 11.10	Nanotechnology for environmental remediation	Sophie Rocks, Cranfield University	Nanomaterials and policy – The influence of risk on the development of policy in areas of emerging risks	Vapor intrusion: Sampling and assessment	Bart Eklund, URS Australia Pty Ltd	Evaluation of soil-gas sampling rate	Risk based management and cleanup approaches	John Frangos, Toxikos Pty Ltd	Overview of health based guideline values - Present and future trends	Advances in chemical remediation	Danny McDonald, Lane Piper Pty Ltd	An innovative use of chemical oxidation to treat PAH-impacted soils		
11.10 - 11.30		Enzo Lombi, CERAR, UniSA	Closing the gap in environmental risk assessment of nanomaterials through interdisciplinary method development		Ian Delaere, SA Health	Vapour intrusion into suburban dwellings - Why vapour data are important		Benjamin Hardaker, AECOM	Are current and proposed asbestos in soil guidelines protective of human health?		John Collins, VeruTEK Technologies	Environmental microemulsion catalysis – A sustainable way forward for NAPL and pesticide remediation		
11.30 - 11.50		Steve McGrath, Rothamsted Research	Nanoparticle bioavailability, toxicity in terrestrial environments		Dane Egleton, Leeder Consulting Pty Ltd	Comparison of active and passive soil vapour sampling methods for subsurface vapour intrusion assessment		Sanjay Garg, Shell Global Solutions (US) Inc	LNAPL transmissivity - The emerging metric for hydraulic recovery		Steven Suib, University of Connecticut	Photodegradation of surfactant-based crude oil-in-water emulsions		
11.50 - 12.10					Gemma Williams, AECOM	Determining the most appropriate sampling technique for assessment of volatile contaminant exposure		Chris Bailey, Tonkin and Taylor Pty Ltd	Management of soil and groundwater contamination in the context of satisfying CUTEF		Pamela Dugan, Carus Corporation	Sustained-release permanganate reactive barriers for green and sustainable remediation of chlorinated solvents		
12.10 - 12.30					Sophie Wood, Environmental Resources Management (ERM)	Evidence-based remediation decision-making for vapour intrusion risk from petroleum hydrocarbons		Roger Klein	Tank farm risk assessment - Avoiding environmental contamination		Annette Nolan, Enviropacific Services	Chemical immobilisation of complex co-contaminated industrial waste		
12.30 - 1.10	Lunch													
1.10 - 1.30	Nanotechnology for environmental remediation	Irene Lo, The Hong Kong University of Science and Technology	Application of magnetic nano/micro scale iron-based particles on wastewater treatment and soil/groundwater remediation: Effectiveness, regeneration and challenges	Vapor intrusion: Sampling and assessment	Kenneth Kiefer, Environmental Resources Management (ERM)	Comparison of technologies for assessing vapour intrusion in future structures from subsurface sources - Case study with side-by-side measured flux and J&E modelling	Risk based management and cleanup approaches	Frank Lame, Deltares	Risk-based remediation: Role of standardised methods in site management	Advances in remediation technology	Shoabin Wang, Curtin University	Removal of phenolic contaminants using sulfate radicals activated by supported cobalt catalysts		
1.30 - 1.50		Ho Kyon Shon, University of Technology, Sydney	Synthesis, characterisation and separation of photoreactive Hydrogen-titanate nanofibrous channel		Harry O'Neill, Beacon Environmental Services Inc	The importance of applying strict QA/QC procedures in the field and in the lab to produce passive soil gas data that will simultaneously identify hot spots and delineate trace concentrations in groundwater		Peter Gringinger, Lane Piper Pty Ltd	Observations of the random approaches to remediation planning in Australia		James Braham, Enviropacific Services	Tertiary water treatment process for contaminated groundwater		
1.50 - 2.10		Rajender Varma, U.S. EPA	A novel green synthesised catalyst system for hydrogen peroxide: Part 1 - Synthesis and characterization		Gavin Stevenson, National Measurement Institute	Interlaboratory comparison of analysis of volatiles (including BTEX) in air samples		Kane Mitchell, Environmental Auditors	The problem of changing practices and decision making in contaminated sites management		Soon Kong Yong, CERAR, UniSA	Synthesis and characterisation of thiolated chitosan beads for wastewater remediation		
2.10 - 2.30		George Hoag, VeruTEK Technologies	A novel green synthesised catalyst system for hydrogen peroxide: Part 2 - Reactions and kinetics		Adrian Heggie, Parsons Brinckerhoff	Vapour intrusion risk assessment evaluated by multiple lines of evidence - A TCE case study		Bruce Kennedy, CRC CARE	Establishing an Australian-specific remediation framework		Ruh Ullah, Curtin University	Visible light photocatalytic decomposition of toluene with BiMO4 (M = Ta, Nb)		
2.30 - 2.50		Steven Suib, University of Connecticut	Biosynthesis of iron and silver nanoparticles at room temperature using aqueous sorghum bran extracts		Victoria Lazenby, URS Australia Pty Ltd	Case study: Remediation cost mitigation through appropriate soil vapour assessment			Discussion		Binoy Sarkar, CERAR, UniSA	Organoclays for environmental remediation		
2.50 - 3.10					Lowell Kessel, Environmental Remediation Resources Pty Ltd.	Enhancing mass recovery rates of chlorinated solvent contaminated soil with advanced VOC condensation technology during soil vapour extraction								
3.10 - 3.40	Afternoon tea													
3.40 - 4.40		Ajay Singh, University of Waterloo	Global remediation market and opportunities											
4.40 - 5.00	Closing Ceremony													

Balcony Rooms	
Monday 12 September	Ruth Keogh, Parsons Brinckerhoff Back to Basics - Is your Site Assessment / Remediation Program Based on Sound Knowledge?
	Paul Armishaw, National Measurement Institute Proficiency testing of pesticides and hydrocarbon pollutants in water and soil: Review of recent results.
	Akbar Forghani, University of Guilan Comparison of two sequential extraction procedures for the fractionation of zinc in agricultural calcareous soils of Iran
	Raktim Pal, CERAR, UniSA MDMA degradation in soil
	Lowell Kessel, Environmental Remediation Resources Pty Ltd Mapping complex groundwater flow paths: Understanding preferential flow paths in aquifer materials with differing porosities
	Vitukawalu Pecelli Matanitobua, CERAR, UniSA Comparative performance of two reactive materials in removing total petroleum hydrocarbons from contaminated groundwater in Western Australia
	Camillo Coladonato, Environmental Resources Management (ERM) Using real time tools to develop higher quality conceptual site models
	Kandasamy Thangavadiel, CERAR, UniSA Zero-valent iron treatability study using trichloroethylene spiked deionised water yields rate constant considerably lower than that for a highly saline contaminated groundwater
	Ka Lai Chow, Croucher Institute for Environmental Sciences and the Department of Biology, Hong Kong Baptist University Combined TiO ₂ photocatalysis and phytoremediation for efficient treatment of flame retardants (PBDEs)
	Ka Lai Chow, Croucher Institute for Environmental Sciences and the Department of Biology, Hong Kong Baptist University Photocatalysis for efficient treatment of flame retardants (PBDEs) by nano-sized TiO ₂
Olanrewaju Bello, University of Calabar Effect of oil spillage on the properties of soil and environment around the marketing outlets of some petroleum marketing companies in Calabar Cross River state, Nigeria	

Balcony Rooms	
Tuesday 13 September	Dane Lamb, CERAR, UniSA Phytoavailability of barium in soils contaminated by barite
	Akbar Forghani, University of Guilan Fractionation changes of cadmium with time in soils treated with cadmium chloride in different moisture regimes
	Ebrahim Adhami, Yasouj University The effect of cadmium and zeolite on growth and chemical composition of corn in a Calcareous soil
	Hui Ming, CERAR, UniSA Biodiversity of soil fauna in hybrid Giant Napier (HGN) plantation ecosystem
	Lowell Kessel, Environmental Remediation Resources Pty Ltd. In-situ thermal remediation: State of the practice in South America
	Manoj Shrivastava, Bhabha Atomic Research Centre Phytofiltration of arsenic contaminated water using Hydrilla verticillata
	Hafiz Chudhary, University of Agriculture Faisalabad Discovering plant-bacterial interaction to clean up petroleum contaminated soil
	Md Bahar, CERAR, UniSA Arsenic bioremediation potential of Variovorax sp. Mm-1 isolated from soil
	Peter Storch, URS Australia Pty Ltd Recent advances in the remediation of soil and groundwater impacted by chromium ore processing residue
	Stephen McKeown, GHD Remediation of a spent phosphoric acid catalyst waste site using stabilisation and phytoremediation
Christian Wallis, Godler Associates Sustainable remediation solution for lead shot impacted recreational reserve: results from mechanical sieving and gravity separation field trial	
Dawitt Bekele, CERAR, UniSA Shallow vadose zone soil gas sampling for vapour intrusion risk assessment	

Balcony Rooms	
Wednesday 14 September	Peter Beck, GHD Statistical approach to improving reliability and defensibility of bioaccessible fraction estimation
	Dane Lamb, CERAR, UniSA Bioaccessibility of Pb in different particle size fractions in long-term field contaminated soils: Implications for human health risk assessment
	Mostafa Chorom, Ahvaz University Bioremediation of Ahvaz oil contaminated soil by oil-degrading bacteria and arbuscular mycorrhizal
	Alan England, SAS Water Solutions Two stage reduction of phenols in wastewater: Ozone oxidation and bacterial degradation
	Louise Cartwright, Centre for Contaminant Geoscience Bioremediation of gasworks tar: a NE England case study
	Thammared Chuasavathi, CERAR, UniSA Immobilization of copper in copper mine soil using biosolids-based co-composted products
	Sifau Adejumo, University of Ibadan Comparative effects of compost and inorganic fertilizer on lead transport and accumulation in maize crop grown on heavy metal contaminated soil in Nigeria
	Jaeyeob Jeong, Department of Forest Resources Carbon input by litterfall and soil respiration of a red pine stand with varying degree of damage from pine wilt disease
	Ramya Thangarajan, CERAR, UniSA Nitrous oxide emission from organic amendments
	Thavamani Palanisami, CERAR, UniSA Metal tolerant PAH degrading bacteria- Patterns of metal tolerance and environmental relevance
Evan Beach, Yale University Designing chemicals for reduced toxicity	
Patrick Foley, Yale University Chemical design for environmentally benign technologies: Exploring C-Glycosides as surfactants	
Lindsay Killin, Enviroacific Services Remediation of a former steelworks, Alexandria NSW	