

OPE 2009 Conference

26th to 28th August 2009

	Wed 26th August 2009	Thu 27th August 2009	Fri 28th August 2009
8:00-8:45	Registration		
8:45-9:00	Conference Opening	Registration	
9:00-9:45	Dr Beldav Raj: Advanced NDE for Pressure Vessels and Piping	Dr Bilal Dogan: Creep-Fatigue Interaction and Assessment of Plant Components	Dr Steve J Brett: Cracking Experience in CrMoV Steam Pipework Systems
9:45-10:30	Dr Mustafa Koçak: European Fitness-For-Service Procedure	Prof Sonja Felber: High grade pipeline-steels and welds	Mike Farley President ICNDT: International Alignment of Certification Programs
10:30-11:00	Break Advanced NDT	Break NDT /UT	Break Welding/NDT
11:00-11:20	Ken Brown (Alex Wilson Memorial lecture) 20 min	Phased Arrays – Where Do We Stand?: Michael Moles Olympus	A Case Study on the Effect of Peaked Pipe Welds on Piping Life Expectancy: Warren Brown, Equity Engineering, Martin Prager (MPC) & Sarah Wrobel (Citgo).
11:20-11:40	Life Extension of CNG Storage Cylinders using Acoustic Emission: Dr Gary Martin, Marcus Brache, Simon Langdon and David Padfield, ATTAR AE	Rapidscan: Invention and evolution of an array based Ultrasonic scanning technique: Joe Buckley, Tom Marshall. Sonatest UK	Case Study of Successful Weld Repair of Storage Tank: Sinha Sasanka, Stan Ambrose WTIA
11:40-12:00	A New, Improved Pipeline AUT Girth Weld Inspection System: Michael Moles Olympus AUT	Ultrasonic Detection and Measuring of Isolated or Pitting Corrosion (IPC): Paul Grosser ATTAR	Measurement of residual stress in repair welds with consideration of stringer and temper bead procedures: John Price, Anna M. Pardowska, Trevor R. Finlayson, Monash, ISIS, Melbourne U
12:00-12:20	Case Study: Applying Risk Based Inspection to Petroleum Fuel Refineries Pressure Vessels: Jenny Simpson Caltex RBI for Refinery Pressure Vessels	Phased Array Compliance to Standards for Defect Detection: Alan Guo, John Price, Bruce Ham, Nick Kriesl, Raman Singh, HRL Monash	Measurement of Residual Stress in a Welded Branch Connection and Effects on Fracture Behaviour: Law M, Grace P, Ambrose S, Luzin V, Kirstein O, ANSTO, Jemena, WTIA
12:20-1:15	Lunch Fitness for Service	Lunch NEW NDT	Lunch Chromium Steels
1.15-2.00	Dr Peter Mayr: Most critical failure modes in weldments of martensitic heat resistant steels and their possible prevention	Compensating for Variations in Material Properties in Remote Field Testing of Heat Exchanger and Boiler Tubes: Ankit Vajpayee Russel NDT Canada	Production, properties of base material and welded joints of 9% Cr Grades for USC power plant: S. Caminada, G. Cumino: L. Cipolla, A. Di Gianfrancesco, TenarisDalmine, Centro Sviluppo Materiali, Rome Italy
2:00-2:20	A Risk-Based Piping Integrity Management System – Covering the forgotten link in pressure equipment management: Michael C. Adams Ionik Consulting	CrackSizer®: An electromagnetic inspection technique for detecting and sizing cracks, and identifying changes in hardness: M. Baxter, C. Dean, B. Ham HRL J Price Monash	Examination of Overheated P91 Material: D.S. O'Neill, HRL
2:20-2:40	Fitness for Service Assessment of a Large Vacuum Tower: David Mair FFS	Malbar Thermal Imaging: Mal Campbell	Simulation of HAZ Sub-Zone Microstructures in P92 Steel: D Sunjaya, M Drew, H Li and D Dunne
2:40-3:00	Reporting on Plant Condition - The Big Picture: Quentin Gryl, Dr Robert Frith, Frith Engineering	Inspection of Fired Heater Coils Utilizing FTIS Intelligent Pigging Technology: Rich Roberts, Quest Tru Tec USA	Issues in the Use of P91 Creep Strength Enhanced Ferritic Steel: Michael Henry Julian Van Der Kley Pearl Street
3:00-3:30	Break Fitness for service/Creep	Break NDT	Break Design
3:30-3:50	Life Cycle Integrity and Inspection Management: Dr Chris Smith Applus RTD WA	Acoustic Emission Monitoring of High Energy Piping: Alan Beveridge, Bruce Ham, Leon Rosenbrock, Nick Kriesl,	Dr SC Chetal: Stainless steel design for reactors
3:50-4:10	High Temperature Remaining Life Cost Assessment: Warwick Payten, Phil Bendiech, Ken Snowden ANSTO	Promoting a Safety Culture in Industrial Radiography through a Code of Conduct: Colin Hockings, Qantas	
4:10-4:30	A strain energy based methodology for the Prediction of creep fatigue damage in high temperature components: Phil Bendiech, Warwick Payten ANSTO	NDT Seminar; Exhibitors explain	Vanadium Modified 21/4Cr-1Mo Reactor Fabrication: Les Antalffy, Cathleen Shargay, Dennis Smythe and Karly Moore Fluor USA,
4:30-4:50	Life prediction of pressure components subjected to elastic-plastic-creep damages Khosrow Zarrabi UNSW		Thermo-mechanical Manipulation of Crack-tip Stress Field for Resistance to Stress Corrosion Crack Propagation: Singh Raman, R.N. Ibrahim, F. Wu and R. Rihan, Monash
4:50-5:10	Comparison of the Theta and Omega Methods for Extrapolating Creep Data: M Listmangof and R Coade HRL		Mechanical & Corrosion Design of Heat Exchangers: Dr Peter A McGowan Orica Engineering
5:10-5:30	Inspection and fitness for service assessments of pressure equipment: Chris Jones and Annette Karstensen, Quest Reliability	Advances in NDT Workshop, Chair Baldev Raj	New Design Strengths for AS1210 Pressure Vessels: Stan Ambrose, WTIA and Chris Killmore WTIA Bluescope
5:30-7:00	Welcome Reception		SCC failure of a high pressure, high temperature 316L quench water line: Roger Griffiths, BP
7:00-10:30		Dinner (Presentations)	Behavior of Z-phase in 9-12%Cr industrial steels: J. Hald, R. Blum: H. Danielsen: A. Di Gianfrancesco, L. Cipolla, D. Venditti: S. Caminada, G. Cumino
			Closing panel