

Monday 20 April 2009			
0900	Conference Opening Welcome – Peter Allan, Appita President Conference Opening – Jim Henneberry, Executive General Manager, Australian Paper Presentation of SmartPrint Study Grants Presentation of 2008 Appita L R Benjamin Medal		
1030	Morning tea		
	Session A Yarra Room 1 Bioresource processing Chair: Gil Garnier, APPI Monash University	Session B Yarra Room 2 Mill management systems Chair: Dennis Shore, Covey Consulting	Session C Yarra Room 3 Wood preparation/TMP Chair: Chris French, GL&V
1100	Identifying candidate biorefinery products and processes <i>Paul Stuart, Virginie Chambost</i> École Polytechnique, University of Montréal, Canada	Make cost-effective decisions and become more profitable <i>Jim Pigott¹, Steve Latham¹, Fredric Karlsson³</i> ¹ Tieto Corporation, USA ² Enterprise Performance Solutions, USA	Ultrasonication - A new pathway to fibre segregation <i>Michelle Sloane</i> Scion, New Zealand
1130	Bioethanol – status report on bioethanol production from wood and other lignocellulosic feedstocks <i>Tony Johnson¹, Barbara Johnson¹, Chris Scott-Kerr², Jukka Kiviahio³</i> ¹ Beca AMEC, New Zealand ² AMEC, Canada ³ AMEC, Chile	Achieving continuous improvement through the Norske Skog Production System <i>Michael McNamara¹, David Daines²</i> ¹ Norske Skog Albury, Australia ² Norske Skog Parencio, Netherlands	High quality fines from the grinding of radiata pine TMP <i>Nicola Dooley, Garth Weinberg</i> Scion, New Zealand
1200	LCA for the engineering analysis of the forest biorefinery <i>Caroline Gaudreault, Réjean Samson, Virginie Chambost, Paul Stuart</i> École Polytechnique, University of Montréal, Canada	More cost-efficient management of field devices through service agreements and condition monitoring software <i>Juha Kivelä, Ismo Niemelä, Jussi Ollila</i> Metso Automation Inc, Finland	Heat recovery in mechanical pulping <i>William Raudsepp, John Harper, Andrew Buchanan, Maurice Davies</i> Windsor Engineering Group, New Zealand
1230	Lunch		
	Bioresource processing Chair: Ian Suckling, Scion	Management Chair: Bob Allison, Scion	Appita TechTalk - Predictive and preventative maintenance
1330	Carbon taxes and greenhouse emissions <i>Geoffrey Covey</i> Australia	21st Century fibre lines <i>Tony Johnson¹, Barbara Johnson¹, Peter Gleadow², Flavia Azevedo Silva³, Ronaldo Morales Aquilar³, Chen Jui Hsiang⁴, Héctor Aranedá⁵</i> ¹ Beca AMEC, New Zealand ² AMEC, Canada ³ Veracel Celulose, Brazil ⁴ Hianan Jinhai Pulp & Paper, China ⁵ Celulosa Arauco y Constitución, Chile	Convenor: Arthur Stamos, Beca AMEC Practical mechanical condition monitoring to improve reliability and reduce maintenance costs <i>Ian Seward</i> Silcar, Australia
1400	Challenged by alternatives: Developing new liquid transport fuels <i>Damon Honnery</i> Monash University, Australia	ISO 14001 environmental management certification and chain of custody: The nuts and bolts of getting it done <i>Steve Say, Josef Marzouk, Peter Jackson</i> Kimberly Clark Australia	Operator contribution to abnormal equipment condition management <i>Craig Webb</i> Honeywell Process Solutions, Australia
1430	The CIMV lignocellulosic biorefinery: Phenolic and polyurethane resins synthesis using CIMV linear lignins <i>Michael Delmas^{1,2}, B Benjelloun- Mlayah^{1,2}, L Llovera²</i> ¹ University of Toulouse, France ² CIMV Inc, Levallois-Perret, France	Sunk costs <i>Geoff Covey</i> Covey Consulting, Australia	How an operator can be the initiator for proactive maintenance <i>Anna Sundaram</i> VAP Australia Pty Ltd
1500	Afternoon tea		
	Chemical pulping Chair: Tom Clark, CHH Kinleith	Management Group Seminar Convenor: Michael McNamara, Norske Skog	Engineering Chair: Mark Schijf, Honeywell
1530	Productivity increase using advanced control in Australian Paper batch digester <i>Rohan Wilks¹, S R Subramani²</i> ¹ Australian Paper, Australia ² ABB Australia	Do best practice management systems deliver what they promise Reliability Centred Maintenance (RCM) <i>Ross Francis</i> Ross Francis Consulting, Australia	Application of near infrared (NIR) reflectance spectroscopy for the measurement of process variables important to the pulping industry <i>Joe Laszlo¹, Urpo Launonen²</i> ¹ Conmark Inc, USA ² UJL Pty Ltd, Australia
1600	Refractive index measurements for brown stock washing - Mill investigations <i>Riku Kopra¹, Jukka Helttunen², Pekka Tervola³, Tapio Tirri¹, Olli Dahl⁴</i> ¹ Mikkeli University of Technology, Finland ² Stora Enso Fine Paper ³ Andritz Oy ⁴ Helsinki University of Technology	Combining lean manufacturing and the theory of constraints <i>Norm Lasslett</i> Procex Pty Ltd, Australia	Surface fibre orientation on-line measurement - A new application of image analysis technology <i>Henrik Näslund¹, Antii Paavola², John Shakespeare², Oskar Skärgård¹</i> ¹ Stora Enso, Sweden ² Honeywell Process Solutions, Finland
1630	Incremental lime kiln capacity - Maryvale Mill experience <i>Murray Ellis¹, Richard Manning², Honghi Tran³, Kristen Lock⁴</i> ¹ Australian Paper Maryvale, Australia ² Kiln Flame Systems, UK ³ University of Toronto, Canada ⁴ Jammbco, Canada	Six-sigma black belt improvement process <i>Monika Goretzki</i> Honeywell Ltd, Australia	Sealing systems energy efficiency and environmental control <i>Sami Hytonen</i> John Crane Safematic Oy, Finland
Evening	Welcome Function at Scienceworks (Buses leave Melbourne Park at 6.30 pm)		

POSTER PAPERS. Posters will be displayed in the Exhibition area for the duration of the conference and authors will be available to discuss their papers during breaks in the technical sessions.

Properties of handsheets made of multilayered fibres with polyelectrolytes at different pH and conductivity
Jaeho Ryu, Sung Min Chin, Sungrin Lee, Hye Jung Youn, Seoul National University, Korea

Optimised biofuel management with the new generation of moisture meters
Henrik Stenlund, Visilab Oy, Finland, and Urpo Launonen, UJL Pty Ltd, Australia

Determination of hemicellulose adsorption on Hw-BKP using HPLC
Sang Hoon Lee, Hak Lae Lee, Hye Jung Youn, Seoul National University, Korea

Effects of pulp and filler blending on the pore structure and printing qualities of paper
Kiyoung Nam, Soon-Ki Chung, Ik-Sum Choi, Hankuk Paper Mfg Co Ltd, Korea and Jong-Myong Won, Kangwon National University, Korea

Tuesday 21 April 2009

	Session A Yarra Room 1	Session B Yarra Room 2	Industry Innovations Yarra Room 3
	Papermaking Chair: Vaughn Coleman, Norske Skog	Coating Chair: Nafty Vanderhoek, CSIRO	Papermaking Chair: Mat Clay, Huyck.Wangner
0900	An evaluation of a forming section rebuild on the fluid mechanics and sheet structure of a bladed style top former producing board grades <i>Vaughn Wildfong, J Shands, J Ronning</i> Johnson Foils Inc, USA	Starch-nanoclays as barrier coatings for paperboard <i>Marie Lund², Christian Kugge¹, Isabel Mira², Agne Swerin², Nafty Vanderhoek¹</i> ¹ CSIRO Material Science and Engineering, Australia ² Institute for Surface Chemistry, Sweden	Matching the change in raw material: Fibre and fabric development for the board and packaging sector <i>Carl Taylor</i> Voith Paper Fabric and Roll Systems, China
0930	New enzyme-based felt conditioning technology prevents fabric filling and increases press section efficiency leading to productivity gains <i>Nick Ince</i> Hercules Ashland, China	Barrier coating – from laboratory to machine trial <i>Christian Kugge¹, Nafty Vanderhoek¹, Nicola Dooley², Ken Wong²</i> ¹ CSIRO Material Science and Engineering, Australia ² Scion, New Zealand	How can we get the most out of existing assets using process optimisation and advanced controls? <i>S R Subramanian</i> ABB Australia
1000	A year in the life of the Albury pick-up felt (exploring its influence on paper machine runnability) <i>Andrew Chant</i> Norske Skog Albury, Australia	An analysis of effects of internal and surface sizing on ink jet printing quality <i>Dushmantha Kannangara¹, Mohid Khan², Wei Shen²,</i> ¹ Amcort Technical Services, Australia ² APPI Monash University, Australia	Production and quality improvements in papermachines using automatic dryer fabric stretchers <i>Edward Unger</i> Erhardt+Leimer GmbH, Germany
1030	Morning tea		
	Appita TechTalk – Papermachine clothing optimisation Convenor: Rex Vass, Visy Paper	Coating and printing Chair: Lachlan McLean, Australian Paper	Management/ Stock Preparation Chair: Ken Price, Papquip Pty Ltd
1100	<i>The operational benefits that can be achieved when current paper machine clothing technology in the forming and press section is progressively developed based on key and informed objectives determined in consultation with Paper Mill management. Fine tuning paper machine clothing can and will be shown to provide significant financial and quality benefits usually using little or no significant capital investment.</i>	Development of new coated linerboard by combining condebelt drying and curtain coating technologies <i>Hak Lae Lee¹, Hye Jung Youn¹, Kyoung Ho Lee¹, Chae Hoon Kim¹, Jin Doo Kim²</i> ¹ Seoul National University, Korea ² Dong-Il Paper Manufacturing Company, Korea	Targeted outsourcing and contracting <i>Bruce Allender</i> Covey Consulting, Australia
1130	Using statistics to optimise paper machine clothing and improve productivity <i>Wayne Ford</i> Albany International, Australia	Successful digital grade developed at Australian Paper Shoalhaven opening new markets <i>Mark Landstra¹, Colin Hinde²</i> ¹ Nalco, Australia ² PaperlinX, Australia	GL&V innovations in stock preparation <i>Ross Bradford</i> GL&V, Australia
1200	Felt design provides operational benefit <i>Mat Clay</i> Huyck.Wangner, Australia	The use of nano-structured calcium silicate as the functional component in paper coating for high quality ink-jet printing <i>James Johnston¹, Anita Schloffer²</i> ¹ Victoria University of Wellington, New Zealand ² Georg-Simon-Ohm Fachhochschule University of Technology, Germany	White water reclamation <i>Brad Cook</i> Pall Corporation, Australia
1230	Lunch		
	Appita TechTalk - Paper drying systems Convenor: Ken Hill, Kadant Johnson Systems	Traceability and security Chair: Russell Allan, Australian Industry Partners	On-machine measurement Chair: Norm Lasslett, Procex Pty Ltd
1330	Dryer steam and condensate system operation <i>Wayne O'Driscoll</i> Kadant Johnson South East Asia	Traceability of packaging and packaged products <i>Steve Ranford</i> AgResearch Limited, New Zealand	Seeing further and understanding more with a new-generation papermachine vision system <i>Urpo Launonen</i> UJL Pty Ltd, Australia
1400	Dryer steam and condensate system control <i>Ken Hill</i> Kadant Johnson Systems, USA	Colour tuneable photoluminescent quantum dots for ink-jet printing of security documents and labels <i>James Johnston¹, Aaron Small¹, Noel Clark²</i> ¹ Victoria University of Wellington, New Zealand ² CSIRO Material Science and Engineering, Australia	The latest Kajaani wet end measurement products <i>Timo Rippa</i> Scandinavian Electronics, Australia
1430	Optimisation of pocket ventilation and hood balance of paper machine dryer section to improve dry-end efficiency – Case studies <i>Ajit Ghosh</i> Visy Technical and Innovation Centre, Australia	Low temperature thaw indicator <i>Ian Parker, Milivoje Cvetkovic, Philip Andrews, Leone Spiccia, Wei Shen</i> APPI/Monash University, Australia	A new line of compact in-line instruments from BTG – the DRT-5500 Freeness Inline and the MEK TwinTorque <i>Keith Waters</i> BTG Australia
1500	Afternoon tea		
	Papermachine performance Chair: Stan Malton, Kadant Johnson	Membrane technology Chair: Bob Johnston, Appita	Fibre structure Chair: Ian Parker, APPI Monash University
1530	A review of the capability of the paper making process to control property variation <i>Russell Allan</i> Australian Industry Partners, Australia	Research, development and application of membrane technology in the pulp and paper industry <i>Sharmiza Adnan¹, Manh Hoang², Huanting Wang³</i> ¹ APPI Monash University, Australia ² CSIRO Material Science and Engineering, Australia ³ Monash University, Australia	Applications of an analytical method to calculate the load distribution along a fibre in a loaded network <i>Warren Batchelor</i> APPI Monash University, Australia
1600	Improving efficiencies without upgrading. The Botany 7 story <i>Jason Macreadie¹, Phil Lang²</i> ¹ Amcort Botany Mill, Australia ² ABB Australia	Kraft pulpmill wastewater treatment using anaerobic pretreatment followed by membrane bioreactor <i>Andrew Hodgkinson¹, Glen Daigger², David Evans³</i> ¹ Parsons Brinkerhoff Australia ² CH2M Hill, Australia ³ Gippsland Water, Australia	The fibre coarsness and collapsibility influence on a three dimension paper model <i>Joana Curto¹, Eduardo Conceição², António Portugal¹, Rogério Simões¹</i> ¹ University of Beira Interior, Portugal ² University of Coimbra, Portugal
1630	Optimised thermocompressor design and operation for paper drying applications <i>Ken Hill¹, Wayne O'Driscoll², Stan Malton²</i> ¹ Kadant Johnson Systems, USA ² Kadant Johnson Southeast Asia, Australia	The effect of pH on membrane performance in treatment of paper industry effluent <i>Des Richardson, Lasse Blom, Elizabeth Taylor</i> Norske Skog Paper Mills (Australia) Ltd	
1700	After session drinks in the Exhibition (5.00 – 6.00 pm)		

Wednesday 22 April 2009

Session A <i>Yarra Room 1</i>		Session B <i>Yarra Room 2</i>	
New Speakers Contest <i>Chair: Karen Stack, University of Tasmania</i>		Paper chemistry <i>Chair: Sunil Chopra, Visy Pulp & Paper</i>	
0900	The case of the grumpy washer Steven Woollacott Carter Holt Harvey, New Zealand New Zealand Section New Speakers Winner	Neutral deinking chemistry with EKA surfactant at the Norske Skog Albury RCF plant <i>Thomas Gissy¹, Jason Ennis¹, Grant Wigg²</i> ¹ Norske Skog Albury, Australia ² EKA Chemicals, Australia	
0930	Photometric Dispersion Analyser (PDA) to quantify pitch coagulation kinetics Roland Lee², Karen Stack¹, Des Richardson², Trevor Lewis¹, Gil Garnier³ ¹ University of Tasmania, Australia ² Norske Skog Paper Mills (Australia) Ltd ³ APPI Monash University, Australia Southern Tasmania Section New Speakers Winner	Carbon dioxide based applications for optimisation of calcium carbonate containing papermaking processes <i>Lotta Jansson¹, Ken Steel²</i> ¹ Linde AG, Germany ² BOC, Australia	
1000	Paper as a low-cost base material for diagnostic and environmental sensing applications Xu Li, Jungfei Tian, Wei Shen APPI Monash University, Australia Melbourne Section New Speakers Winner	The streaming current detector (SCD) - What does it really tell us? <i>Robert Pelton</i> McMaster University, Canada	
1030	Morning tea <i>Presentation of Best Exhibitor plaque</i>		
Appita TechTalk – Chemical additives <i>Convenor: David Cretney</i>		Finishing <i>Chair: Andrew Emmanuel, PM Solutions</i>	
1100	<i>This session will cover the function and use of chemical additives in papermaking, focusing on the selection process and criteria including cost performance to allow the paper and board manufacturer make the correct informed selection decision</i>	Using the modern online dust analyser in paper production lines <i>Frank Silbermayr¹, Antti Puurunen², Urpo Launonen³</i> ¹ PTI - Paper Testing Instruments GmbH, Austria ² CTP GmbH, Germany ³ UJL Pty Ltd, Australia	
1130	Practical and universal ways to solve stickies problems at the section they occur <i>Antti Puurunen</i> CTP, Finland	How to flog a dead horse - doubling the speed of a high speed packaging machine <i>Ross Patterson, Reg Hurst</i> Kimberly Clark Australia	
1200	Defoamers <i>Doug McLean</i> Nalco, Australia Dimension L1700S - new innovations in BATP technology <i>Nick Ince</i> Hercules Ashland, China	63rd Appita Annual General Meeting Presidential report, 2008 Financial report, 2008 Election of Office Bearers, 2009 – 2011 Presentation of 2008 Oertel Nadebaum Distinguished Service Award Presentation of 25 year membership certificates	
1230	Lunch		
Bioactive paper <i>Chair: Warren Batchelor, APPI</i>		Pitch deposition and control <i>Chair: Des Richardson, Norske Skog</i>	
1330	Thermal stability of horseradish peroxidase enzymatic papers <i>Mohidus Samad Khan, Wei Shen, Gil Garnier</i> APPI Monash University, Australia	Evaluation of cationic polymers to control pitch deposition <i>Douglas McLean¹, Karen Stack¹, Des Richardson²</i> ¹ University of Tasmania, Australia ² Norske Skog Paper Mills (Australia) Ltd	
1400	Wet-strength resins and surface properties affect paper-based antibody assays <i>Tracy Wang¹, Robert Pelton¹, Linda Veldhuis², Roger Mackenzie^{2,3}, Christopher Hall², Carlo Filipe³</i> ¹ McMaster University, Canada ² University of Guelph, Canada ³ NRC Institute for Biological Sciences, Canada	The use of flow cytometry for managing extractives associated with pitch deposits <i>Megan Grubb, Helen Wray, Des Richardson</i> Norske Skog Paper Mills (Australia) Ltd	
1430	Preparation of antimicrobial-wet strength polymer and its polyelectrolyte complex as novel functional additives <i>Beihai He¹, Liying Qian¹, X Li¹, Huining Xiao²</i> ¹ South China University of Technology, China ² University of New Brunswick, Canada	Effect of pitch preparation on its colloidal properties and deposition behaviour <i>Karen Stack¹, Roland Lee¹, Rhitu Rao¹, Des Richardson², Gil Garnier³, Trevor Lewis¹</i> ¹ University of Tasmania, Australia ² Norske Skog Paper Mills (Australia) Ltd ³ APPI Monash University, Australia	
1500	Afternoon tea <i>Presentation of New Speakers Contest prize and Best Mill Paper prize</i>		
Peroxide bleaching <i>Chair: Russell Crowe, Solvay Interlox</i>		Wet end operations <i>Chair: Marek Cukier, Australian Paper</i>	
1530	Aspects of optimisation of mechanical pulp bleaching with hydrogen peroxide <i>Thomas Dietz, Bernd Hopf, Kurt Schmidt, Hans Ulrich Süß</i> Evonik Degussa GmbH, Germany	Improving on-machine efficiency and sheet quality through controllable drainage on a high speed machine <i>Casimiro da Silva Santos¹, Sanjeev Jain²</i> ¹ Nalco Paper Services, The Netherlands ² Nalco Pacific Pte Ltd, Singapore	
1600	Enhanced bleaching of sulfite pulp and mechanical pulp with hydrogen peroxide <i>Jackie Cai, Noel Clark, Warwick Raverty</i> CSIRO Materials Science and Engineering, Australia	Adsorption of cationic PVA on cellulose fibres and effect of its PEC on paper strength <i>Yizhou Sang¹, Liying Qian², Beihai He², Huining Xiao¹</i> ¹ University of New Brunswick, Canada ² South China University of Technology, China	
1630	New peroxide activators for kraft pulp bleaching <i>Jackie Cai, Noel Clark, Warwick Raverty</i> CSIRO Materials Science and Engineering, Australia		
1900	Gala Conference Dinner at the Melbourne Park Function Centre (7.00 pm for pre-dinner drinks in the Foyer)		