

Sunday 15 June 2014

17:00 – 18:00 Registration. Level 12, VU Conference Centre, 300 Flinders St

18:00 – 20:00 Welcome function - Cocktail Event. Level 12, VU Conference Centre, 300 Flinders St

Monday 16 June 2014

8:00 - 9:00 Conference registration. Foyer, Level 11, VU Conference Centre, 300 Flinders St

OPENING SESSION (1101) Chair: Michael Sek

9:00 - 9:30 Welcome remarks, IAPRI President. Formal opening, Brad Battin MLA, Parliamentary Secretary for the Environment

9:30 - 10:00 Keynote address: The tyranny of distance and packaging's pervasive role in daily life. John Kettle, VTT. Room 1101

10:00 - 10:30 Keynote address: Packaging paradoxes: laminating perception and reality. Nina Cleeve-Edwards, Nestle. Room 1101.

10:30 - 11:00 Break

Session MA1: ACTIVE & INTELLIGENT PACKAGING (1101) Chair: Stephen Bigger	Session MA2: DISTRIBUTION PACKAGING (1105) Chair: Dan Goodwin	Session MA3: DESIGN, ERGONOMICS & HUMAN FACTORS (1107) Chair: Soren Ostergaard
11:00 - 11:20 Controlled Release of Mangiferin Using Ethylene Vinyl Acetate Matrix for Antioxidant Packaging - Vaneer Chonhenchob (P2)	An Introduction to Next-Generation Loggers for Measuring Distribution Hazards on the Product and Package - Changfeng Ge (P27)	An Empirical Study for Exploring Reusable Packaging Attributes - Ahmed Babader (P53)
11:20 - 11:40 Reduced liquid loss and extended shelf life of chicken filets by the use of carbon dioxide emitters and modified atmosphere packaging - Marit Kvalvag Pettersen (P3)	Issues with Combining Road Elevation Spectral Models and Vehicle Vibration Response to Estimate Vehicle Dynamic Characteristics - Daniel Ainalis (P19)	Relationship Between Peel Angle and Peel Force in Peelable Semi-rigid Packaging Comprising Tyvek® and PETG - Javier de la Fuente (P54)
11:40 - 12:00 Nanoiron Based Composite Oxygen Scavengers - Zenon Foltynowicz (P7)	Measurement and Analysis of Vibration Levels in 2 and 3 wheel Delivery Vehicles in South East Asia - Paul Singh (P25)	An Eye-Tracking Methodology for Testing Consumer Preference of Display Trays in a Simulated Retail Environment - Andrew Hurley (P55)
12:00 - 12:20 Effect of Storage Conditions and Sulphur Compounds on the Activity of Palladium Based Oxygen Scavenging Films - Selcuk Yildirim (P8)	New Standardized Package System for Imported Fresh Mangos to the United States from Mexico and Guatemala - Koushik Saha (P26)	A review of thermoplastic composites vapour permeability models: Applicability for barrier dispersion coatings - Gonzalo Hermosilla (P56)
12:20 - 13:40 Lunch Level 9, VU Conference Centre / PTS Editorial Board meeting (D. Shires Chair) Room 905 Level 9, VU Conference Centre		
Session MB1: PACKAGING MATERIALS (1101) Chair: Diana Twede	Session MB2: PACKAGING FOR FOOD AND AGRICULTURE (1105) Chair: Jay Singh	Session MB3: DISTRIBUTION PACKAGING (1107) Chair: Greg Batt
13:40 - 14:00 Outdoor weathering of HDPE containers filled with Nitric acid - Anja Geburtig (P87)	Packaging for Controlling Texture of Frozen Microwaveable Sandwiches - Alexander Bardenshtein (P75)	Indirect Inverse Sub-structuring Theory for Coupling Dynamic Stiffness Identification of Complex Interface between Packaged Product and Vehicle Transport System - Jun Wang (P28)
14:00 - 14:20 Preparation and Characterization of Low Methoxyl ectin/Carboxymethyl Cellulose-based MMT Composite Films - Zhi-Wei Wang (P91)	Development of a freshness indicator for monitoring chicken meat freshness - Teresa Calvo (P79)	Damage to carton board packages subjected to concentrated loads - Daniel Eriksson (P31)
14:20 - 14:40 New bio-based plastics, from a non-edible plant oil side-stream, for film extrusion - Mikael Gällstedt (P92)	If at first you don't succeed: Older consumers & hospital food & beverage packaging – a matter of try, try and try again! - Alastair Yoxall (P80)	Comparison of two vibration recording methods depending on the data-recorder position - Victor Huat (P35)
14:40 - 15:00 Characteristics of Poly(lactic acid) Composites Reinforced with Natural Fibres - Intan S. M. A. Tawakkal (P94)	Development of Time-Temperature Indicator Based on Polydiacetylene/Silica Nanocomposite for Monitoring Fresh Skinless Chicken Breast Quality - Atchareeya Nopwinyuwong (P82)	Influence of corrugated cardboard corners in shock damping: Case of a 100% cardboard packaging. - Philippe Delloque (P39)
15:00 - 15:30 Break		
Session MC1: ACTIVE & INTELLIGENT PACKAGING (1101) Chair: Vaneer Chonhenchob	Session MC2: PACKAGING MATERIALS (1105) Chair: Damien Erre	Session MC3: SUSTAINABILITY / PRINTING & GRAPHICS (1107) Chair: Karli Verghese
15:30 - 15:50 Development of an intelligent packaging device for the monitoring of ready-to-eat salad spoilage - Anne Maltais (P5)	Evaluation of Static and Dynamic Cushioning Properties of Polyethylene Foam for Determining its Cushion Curves - Michael Sek (P86)	Plasma enhanced surfaces for sustainable fiber based packaging - S. Vikram Singh (P112)
15:50 - 16:10 Methodology to evaluate the performance of active ingredients as oxygen scavengers - Angela Garcia Mora (P13)	The effect of heating speed on the expression of heat seal strength in plastics packaging materials. - Kazuo Hishinuma (P89)	Film performance of Poly(lactic acid) blends for packaging applications - Carlos Diaz (P114)
16:10 - 16:30 Developments in Antimicrobial Food Packaging Research - Stephen Bigger (P14)	Development of biodegradable Starch-Based Cushions with high shock absorption - Georges Abinader (P98)	The Study on Symbol Contrast of Inks and Paper Liners for Barcode Printing on Corrugated Box - Pakapol Kittipinyovath (P107)
16:30 - 16:50 Effect of Nano-Semiconductors and Sacrificial Electron Donors on Color Transition of a Novel UV-Activated Oxygen Bio-Indicator - Surachai Khankaew (P16)	Evaluating the Dynamic Characteristics of Starch Based Loose-Fill - Vincent Rouillard (P99)	Trends and drivers influencing papermaking and its products towards the future - Marco Lucisano (P115)
18:30 - 22:00 Social Dinner Carlton BrewHouse. Busses leave VU Conference Centre (street Level) at 6:30 pm		

Tuesday 17 June 2014

Session TA1: DESIGN, ERGONOMICS & HUMAN FACTORS (1101)			Session TA2: DISTRIBUTION PACKAGING (1105)			Session TA3: PACKAGING FOR FOOD & AGRICULTURE (1107)		
Chair: David Shires			Chair: Katsuhito Saito			Chair: Zhi-Wei Wang		
9:00 - 9:20	The Functional Analysis Methodology for Environmentally Conscious Packaging Design - Jeeranuch Buddeejeen (P57)		Reduced-Order Modeling of the Linear Vibration Response of Expanded Polymer Cushion Material - Gregory Batt (P20)			Migration of plasticizers from paper and board into food simulant Tenax and olive oil during microwave cooking - Yumei Wu (P67)		
9:20 - 9:40	Easy Opening or a lost 16 per cent sale - Soren R Ostergaard (P58)		Estimation of the dynamic properties of nonlinear packaging materials using an optimised reverse multiple input/single output based approach - Matthew Lamb (P21)			The Effect of Packaging on Consumer Food Quality Perception in Quick-Service Restaurants - R. Andrew Hurley (P68)		
9:40 - 10:00	Packaging for Personalized Food for Nutrition of Elderly Consumers Made Using Rapid Manufacturing - Alexander Bardenshtein (P59)		Vibration Transmissibility of Packaging in Three-Substructures Coupled Product Transport System - Yuan-Biao Zhang (P24)			Glucoamylase Time-Temperature Indicators Based on Fat Oxidation of Chilled Pork - Jing Qian (P72)		
10:00 - 10:20	Attention Grabbing Power of Branded vs. Unbranded Packaging - Patricia Huddleston (P61)		How to choose the resistance to vertical crushing of stacked cardboard box suitable for your trip. - Jean-Baptiste Nolot (P38)			An innovative corrugated shipper to improve palletized load airflow for fresh produce - Ray Kisch (P78)		
10:20 - 10:50 Break								
Session TB1: PACKAGING SUSTAINABILITY (1101)				Session TB2: DISTRIBUTION PACKAGING (1105)				
Chair: Javier Zabaleta				Chair: Jun Wang				
10:50 - 11:10	Qualitative Analysis of Coverage Value Transfer in Modern Packaging Printing Workflow - Diana Milčić (P104)			Future Demands In Distribution Dynamics Research - Ed Church (P22)				
11:10 - 11:30	Implementing Packaging Sustainability Metrics in a Developing Economy - Siddhant Dwivedee (P109)			The Application of Computational Methods to the Analysis of Unitized Load Performance - Dale Knochenmuss (P23)				
11:30 - 11:50	Green Fibre Bottles - Soren R Ostergaard (P111)			Carton Clamp Test Methodologies and the Effects on Load Containment and Retention - Jay Singh Koushik Saha (P29)				
11:50 - 12:10	The greenhouse gas profile of a "Hungry Planet"; quantifying the impacts of the weekly food purchases including associated packaging and food waste of three families - Karli Verghese (P113)			Transport simulation testing for stretch wrap film optimisation and palletised load safety (DUOPLAST Business Case) - Manolo Garcia-Romeu (P36)				
12:10 - 13:30 Lunch Level 9, VU Conference Centre								
PLENARY SESSION (1101) Chair: Thomas Goedecke								
13:30 - 14:00	Keynote address: Fibre Resources Reaching Peak Recovery - The Implications for Packaging. Tim Woods							
14:00 - 14:30	Keynote address: The Sacks of Rome. Diana Twede							
14:30 - 15:00	IAPRI travel scholarships presentation							
15:00 - 15:30 Break								
Session TC1: PACKAGING FOR FOOD & AGRICULTURE (1101)				Session TC2: DESIGN, ERGONOMICS & HUMAN FACTORS (1105)				
Chair: Yves Wyser				Chair: Manuel Garcia-Romeu				
15:30 - 15:50	Determination of Ti in Nano/submicro-TiO ₂ -plastic Composite Food Packaging by Microwave Digestion and Inductively Coupled Plasma Atomic Emission Spectrometry or Inductively Coupled Plasma Mass Spectrometry - Qin-Bao Lin (P69)			The study of uncertainty elements related to heat seal strength by comparison of standard testing methods - Chana Yiangkamolsing (P52)				
15:50 - 16:10	Effect of propolis extract on physical and antioxidant properties of chitosan film - Ubonrat Siripatrawan (P76)			Is Your Package Pro-LOHAS? – Findings of the Finnish LOHASPAC Study 2011-2014 - Virpi Korhonen (P63)				
16:10 - 16:30	Effects of in-package atmosphere on temporal changes in the fractionation of oxygen isotopes during respiration in tomatoes - Yoshio Makino (P77)			Material Identity in a Packaging Context - Mikael Gällstedt (P64)				
16:30 - 16:50	Equilibrium Modified Atmosphere Packaging for Preserving Quality and Extending Shelf-life of Longan - Chaos Sripethdee (P81)			Crumpling of paper sheet and packaging - Jean-Baptiste Nolot (P65)				
19:00 – 23:00 Conference dinner. Coral Atoll room, Melbourne Aquarium Cnr. Flinders St. and King St.								

Wednesday 18 June 2014

Session WA1: PACKAGING FOR FOOD AND AGRICULTURE (1101) Chair: Marit Petersen	Session WA2: PACKAGING MATERIALS (1105) Chair: Thomas Goedecke	Session WA3: DISTRIBUTION / LOGISTICS (1107) Chair: Edward Church
9:00 - 9:20 Modelling of migration from printing inks on paper packaging and its verification - Zhi-Wei Wang (P71)	The Effect of A Vibration Force Field on The Crystallization and Barrier Properties of Polymer Nanocomposites - Yuejun Liu (P88)	RFID tag characterization by studying their backscattering response - S. Vikram Singh (P43)
9:20 - 9:40 The flexible packaging line – PickNPack - Soren R Ostergaard (P73)	Maximum Gauge Pressure in Dangerous Goods Packagings Under Normal Conditions of Carriage - Comparison of Direct Measurement and Calculations - Eva Schlick-Hasper (P90)	A method review and a case study of packaging design difference of automobile KD parts and after-sale parts with an application on transport - Binglin Lu (P45)
9:40 - 10:00 Response Modelling of Time-Temperature Indicator Based on Polydiacetylene/Silica Nanocomposite - Atchareeya Nopwinyuwong (P83)	Designing polypropylene lidding film with combined peelable and antifogging properties for food packaging - Charinee Winotapun (P100)	Shock Analysis during Fruits Export from Japan to Neighbouring Regions - Hiroaki Kitazawa (P34)
10:00 - 10:20	Microperforation of three common plastic films by laser and their enhanced oxygen transmission for fresh produce packaging - Wannee Chinsirikul (P101)	The Status of Wood Pallet Repair Operations in the United States: A Survey Study - Laszlo Horvath (P46)
10:20 - 10:50 Break - Level 12, VU Conference Centre, 300 Flinders St.		
10:50 - 12:15 Poster session. Level 12, VU Conference Centre, 300 Flinders St.		
12:15 - 13:30 Lunch Level 12, VU Conference Centre, 300 Flinders St. - Includes Conference closing session		
13:30 - 14:00 IAPRI General meeting. Level 12, VU Conference Centre, 300 Flinders St.		
IAPRI WORKING GROUPS. LEVEL 12, VU CONFERENCE CENTRE, 300 FLINDERS ST.		
14:00 - 15:00 Distribution Packaging, Room 3 / Sustainability Packaging, Room 4.		
15:00 - 16:00 Dangerous Goods Packaging, Room 3 / Consumer and Packaging, Room 4.		
16:00 - 17:00 Research Networking, Room 3 / Flexible Packaging, Room 4.		

Thursday 19 June 2014

WorKSHOP: MEASURING AND SIMULATING HAZARDS IN THE DISTRIBUTION ENVIRONMENT: FROM FIELD DATA TO PACKAGING OPTIMIZATION
8:30 - 9:00 Bus from VU Conference Centre (street level) to Werribee Campus
9:00 - 10:30 Fundamentals of protective packaging and distribution hazards
10:30 - 11:00 Break
11:00 - 12:30 Collecting and analysing field data using Lansmont's Savers
12:30 - 13:30 Lunch
13:30 - 15:00 Review of shock and vibration testing standards and protocols
15:00 - 15:30 Break
15:15 - 17:00 Analysis and laboratory simulation of realistic distribution shock and vibrations
17:00 - 17:30 Transport back to Melbourne City (IAPRI 2014 Conference venue)

Posters (Wednesday 18 June 2014 10:50 - 12:15)

Microwaveable packaging for heating and crisping a food product - Eric Martine (P4)

Determination of Four Types of Hazardous Chemicals in Food Contact Materials by UHPLC-MS/MS - Qin-Bao Lin (P70)

ULab© Cloud Testing System for Flexible Plastic Packages - Yuan Su (P110)

Degradation of Steel Packages in Tropical Environments – Results After 10 Years of Discarding - Sylvia Dantas (P93)

Development and Properties of High Density Polyethylene (HDPE) and Ethylene-vinyl Acetate Copolymer (EVA) Blend Antioxidant Active Packaging Films Containing Quercetin - Tiantian Han ? Lixin Lu (P6)

Sulfide black in canned meat - Sylvia Dantas (P74)

Elastic Modulus of Corrugating Medium under Different Temperature and Relative Humidity - Hongge Guo (P44)

Microbiological stability of shampoo stored in polymeric packaging modified with nanosilver - Zenon Foltynowicz (P48)

Combination Cushioning Pad Design and Drop Simulation - To be confirmed and paid in Melbourne (P30)

Evaluation Method of Abrasion Damage on Corrugated Board - Meishu Piao (P32)

Time-domain Inverse Sub-structuring Method for Product-transport-system - Jun Wang (P33)

Opening status comparison with model PTPs between ordinary people and patients with Rheumatoid Arthritis - Kiyomi Sadamoto (P60)

Objective evidence of opening status contribute development of up grading PTP - Mikio Murata (P49)

Possibility of electric devices and devices with drug packaging in medical and health care - Kiyomi Sadamoto (P9)

A Method for General Printing Anti-counterfeiting by Moiré Patterns - To be confirmed and paid in Melbourne (P105)

Properties of Corrugated Liner Made from Musa sapientum Linn Banana Pulp and Recycled kraft Pulp - Nucharin Luangsa-Ard (P95)

The extent of rice straw mushroom's shelf life by using paper made from petiole of Nipa palm mixed with ash from power plant - Nucharin Luangsa-Ard (P10)

Evaluation of opening status of PTPs with three element from push to go out from package - Kiyoshi Kubota (P50)

Effects of active packaging on the physico-chemical properties of fresh-cut cantaloupe (cucumis melo l. var. glamour) - Zuhair M Nor (P11)

Release of Oregano Essential Oil and Green Tea Extract from Ethylene Vinyl Alcohol Copolymer Films - Marlene Cran ? (P12)

Effect of Compatibilizer on Physical and Rheological Properties of PLLA/PPC Binary Blends - Jin Kie Shim (P96)

Influence of reprocessing on mechanical properties of SAN copolymers in injection molding - Damien Erre (P97)

Biodegradable cross-linked gliadin films with antifungal activity for active packaging of bread - Javier Zabaleta (P15)

Thermoforming in-mould labelling - Outi Kaikkonen (P106)

The Design Development of Perforation Rule for Retail Ready Packaging - Pakapol Kittipinyovath (P62)

Development of a biodegradable coating based on seaweed extracts and starch for food packaging applications. - Teresa Calvo (P84)

Vibration Performance for Biocushion Materials - Daniel Goodwin (P37)

The Study on Packaging Cushioning Performance and Physical property of Poly (vinyl alcohol) Sponge - Guo Hongge (P102)

Impact of Liquid Nitrogen Dosing on Application and Removal Torque of Wine Bottle - Koushik Saha (P40)

Effect of Photoinitiator and Binder Concentration on Color of Methylene Blue-based Oxygen Indicator
Effect of photoinitiator and binder concentration on irradiation time and properties of methylene blue-based oxygen indicator - Chana Yiangkamolsing (P17)