

AWPP 2016 PROGRAM

Sunday 6 November 2016

14:00 - 17:00	AWPP 2016 Executive Meeting, <i>Boardroom 3, Ground floor, Rydges on Swanston Hotel</i>
16:00 - 18:00	Registration open, <i>Skyline Lounge, 4th floor, Rydges on Swanston Hotel</i>
18:00 - 20:00	Welcome Cocktail Reception, Pool Deck Terrace, 4th Floor, Rydges on Swanston Hotel Welcome Reception sponsored by:



Monday 7 November 2016



07:30 - 19:00	Registration open, <i>Skyline Lounge, 4th floor, Rydges on Swanston Hotel</i>	
	Skyline Room	
8:25 - 8:30	Workshop Open Dr. Rahul Gupta, Co-Chair AWPP 2016	
8:30 - 8:45	Welcome , Professor Peter Coloe, Pro Vice-Chancellor and Vice-President, College of Science, Engineering and Health, RMIT University	
	Plenary Lectures	
8:45 - 9:25	Session Chair: Dr. Rahul Gupta, RMIT University PL001 DESIGN AND FABRICATE POLYMERIC MEMBRANES FOR WATER REUSE, SEAWATER DESALINATION AND OSMOTIC POWER GENERATION , Prof. Neal Tai-Shung Chung, NUS, Singapore	
9:25 - 10:05	PL002 CHANGING LANDSCAPE IN POLYMER RESEARCH: CHALLENGES AND OPPORTUNITIES , Prof. Sadhan C Jana, The University of Akron, USA	
10:05 - 10:30	Tea Break and exhibition, <i>Skyline Lounge</i>	
	Horizon Room	Panorama and Vista Room
	Session A1: Blends, Reactive Systems and Elastomers	Session A2: Thermosets, Composites and Nano Composites
	Session Chair: Dr. Suprakas Sinha Ray, Council for Scientific and Industrial Research, South Africa	Session Chair: Prof. Hiroyuki Hamada, Kyoto Institute of Technology, Japan
	Keynote Presentations	Keynote Presentations
10:30 - 10:55	KN001 ISSUES IN THE EXTRUSION OF LARGE DIAMETER SMOOTH AND CORRUGATED PLASTIC PIPE , Prof. John Vlachopoulos, McMaster University, Hamilton, Canada	KN005 FLAMMABILITY OF POLYMER COMPOSITES WITH NATURAL FIBRES , Prof Debes Bhattacharyya, University of Auckland, New Zealand
10:55 - 11:20	KN002 ASSEMBLING BLOCK COPOLYMERS FOR ENHANCED OIL SAFETY AND SPILL RECOVERY , Prof. Qipeng Guo, Deakin University	KN006 OVERCOME THE CONFLICT BETWEEN STRENGTH AND TOUGHNESS IN POLYMERS AND COMPOSITES , Dr. Chaobin He, National University of Singapore, Singapore
11:20 - 11:45	KN003 REMOVAL PROTEINS FROM NATURAL RUBBER LATEX AND APPLICATION , Dr. Trung Nghia Phan, Hanoi University of Science and Technology, Vietnam	KN007 PROCESSING OF WOOD BIOPOLYMER COMPOSITES , Dr. Bronwyn Laycock, University of Queensland Keynote speaker sponsored by:
11:45 - 12:10	KN004 ALIGNMENT OF NANO-CARBON MATERIALS BY EXTERNAL FIELDS , Prof. Chun Wang, University of New South Wales	KN008 PROCESSING-INDUCED CLAY ORIENTATION AND MICROMECHANICAL PROPERTIES OF NYLON NANOCOMPOSITES , Prof. Tianxi Liu, Donghua University, China
	Oral Talks	Oral Talks
12:10 - 12:25	OC001 MORPHOLOGY AND PROPERTIES OF SILICONE RUBBER WITH SUPERCRITICAL CARBON DIOXIDE AND ALTERNATING MULTILAYERED CO-EXTRUSION , Dr Zhang Fengshun, Institute of Chemical Materials, China Academy of Engineering Physics, China	OC005 EPOXY-ANHYDRID BASED THERMOSETS REINFORCED BY INORGANIC NANOPARTICLES: EFFECTS ON SHELF-LIFETIME, THERMAL AND THERMO-MECHANICAL PROPERTIES , Andrea Johanna Wanner, Polymer Competence Center Leoben, Austria



Monday 7 November 2016 continued

12:25 - 12:40	OC002 RHEOLOGICAL CONTROL AND 3D-PRINTING OF SILICON RUBBER-BASED CELLULAR ARCHITECTURES , Dr Chengzhen Geng, Institute of Chemical Materials, China Academy of Engineering Physics, China	OC006 MODIFIED SISAL FIBERS CARBON AS CATHODE MATERIALS FOR LITHIUM-ION BATTERY , Prof. Aimiao Qin, Guilin University of Technology, China
12:40 - 12:55	OC003 MECHANICAL PROPERTIES AND MORPHOLOGIES OF RECYCLE-PC/RECYCLE-PET BLENDS FABRICATED BY HIGH-SHEAR ROTATIONAL PROCESSING , Akira Ishigami, Yamagata University, Japan	OC007 ENGINEERING PLASTIC COMPOSITES REINFORCED BY NOVEL HEATPROOF CELLULOSE NANO-FIBER , Dr. Takeshi Semba, Kyoto Municipal Institute of Industrial Technology and Culture, Japan
12:55 - 13:10	OC004 CONTROL OF PHASE SEPARATION STRUCTURE IN POLYMER BLENDS FABRICATED BY HIGH-SHEAR PROCESS , Yuki Kodama, Research Center for GREEN Materials and Advanced Processing (GMAP), Graduate School of Organic Materials Science, Yamagata University, Japan	OC008 INTERFACIAL PROPERTIES OF LDPE/UHMWPE SINGLE-POLYMER COMPOSITES PRODUCED BY EXTRUSION-CALENDING PROCESS , Dr Jian Wang, Beijing Institute of Technology, China
13:10 - 14:00	Lunch and exhibition, Skyline Lounge	
	Horizon Room	Panorama and Vista Room
	Session B1: Design Workshop and Polymerization and Synthesis Session Chair: Prof. Tianxi Liu, Donghua University, China	Session B2: Thermosets, Composites and Nano Composites continued Session Chair: Dr. Chaobin He, National University of Singapore, Singapore
	Keynote Presentation	Keynote Presentation
14:00 - 14:25	KN009 JUST-IN-TIME BONE-SPECIFIC ADDITIVE BONE IMPLANT MANUFACTURE , Prof. Milan Brandt, Centre for Additive Manufacturing, RMIT University	KN010 ORIENTATION INDUCED b-IPP CRYSTALLIZATION AND RELATED PHASE TRANSITION , Prof. Shouke Yan, Beijing University of Chemical Technology, China
	Oral Talks	Oral Talks
14:25 - 14:40	OC009 AN IMPROVEMENT OF GAS TRANSMISSION RATE OF PLA BY STEREOCOMPLEXATION OF PLLA/PDLA-PEG-PDLA , Suthawan Buchatip, National Metal and Materials Technology Center, Thailand	OC015 MECHANICAL PROPERTIES OF PEANUT HUSK COMPOSITE MATERIAL USING INJECTION MOLDING , Kento Iwasawa, Nihon University, Japan
14:40 - 14:55	OC010 AN ADVANCED PREPARATION AND CHARACTERIZATION OF THE PET NANOCOMPOSITES WITH VARIOUS ORGANOMODIFIED LDH AS CATALYSTS , Naveen Buneekar, Department of Chemistry Chung Yuan Christian University, Taiwan	OC016 TRANSPARENT CONDUCTIVE MATERIALS PREPARED BY POLY(3,4-ETHYLENEDIOXYTHIOPHENE) DOPED WITH POLY(STYRENE SULFONIC ACID) (PEDOT:PSS) AND BISPHENOL COMPOUNDS AS A SECONDARY DOPANT , Dr. Shigeji Konagaya, Nagoya Industrial Science Research Institute, Japan
14:55 - 15:10	OC011 PRECURSOR DEVELOPMENT FOR HIGH PERFORMANCE AND LOW COST CARBON FIBRES , Dr. Jackie Cai, CSIRO	OC017 HIGH-PERFORMANCE COBALT-BASED HETEROGENEOUS ELECTROCATALYSTS SYNTHETIZED BY ELECTROSPINNING , Dr. Yuee Miao, Donghua University, China
15:10 - 15:25	OC012 TERPENE BASED CHEMICALS: (1) BIO-AROMATICS TO PRODUCE KNOWN MONOMERS - UTILISING PYROLYSIS AND (2) FUNCTIONAL MONOMERS FOR IMPROVED POLYMER PERFORMANCE , Prof. Mike O'Shea, CSIRO	OC018 OVER-MOLDED CONTINUOUS WOVEN JUTE-POLYLACTIDE ECO-COMPOSITES , Prof. Guralp Ozkoc, Kocaeli University Department of Chemical Engineering, Turkey
15:25 - 15:40	OC013 POLY (MELAMINE-FORMALDEHYDE) MICROCAPSULES FOR SELF HEALING POLYMER COMPOSITES , Shilpi Sharma, Indian Institute of Technology (IIT), India	OC019 DESIGN AND FABRICATIONS OF FUNCTIONAL NANOFIBERS AND NANOFIBROUS MEMBRANES FOR ENVIRONMENT AND HEALTHCARE: CHALLENGES AND OPPORTUNITIES , Wanee Chinsirikul, National Nanotechnology Center (NANOTEC), Thailand
15:40 - 15:55	OC014 NOVEL THERMOPLASTIC CELLULOSE DERIVATIVES: STRUCTURAL DESIGN, SYNTHESIS, AND PROPERTIES , Prof. Jun Zhang, Institute of Chemistry, Chinese Academy of Sciences (ICCAS), China	OC020 PREPARATION AND PROPERTIES OF ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE FIBER VIA DRY SPINNING , Dr. Xinwei Wang, Shanghai Research Institute of Chemical Industry & State Key Laboratory of Polyolefins and Catalysis, China
15:55 - 16:20	Tea Break and exhibition, Skyline Lounge	

Monday 7 November 2016 continued

	<i>Horizon Room</i>	<i>Vista Room</i>	<i>Panorama Room</i>
	Session C1: Molding Processes: Injection, Blow, Roto and more Session Chair: Dr. Franco Costa, Autodesk	Session C2: Novel Processing Technologies Session Chair: Prof. Xuehua Zhang, RMIT University	Session C3: Extrusion, Compounding and Films Session Chair: Prof. Shouke Yan, Beijing University of Chemical Technology, China
	Keynote Presentation	Keynote Presentation	Keynote Presentation
16:20 - 16:45	KN011 ADVANCED MANUFACTURING TECHNOLOGY OF POLYMER REALIZED BY MULTIPLE DIVIDING AND COMBINING OF POLYMER MELT , Dr. Haoyi Li, Beijing University of Chemical Technology, China	KN012 replaced by PP038 EVOLUTION OF FIBRE MORPHOLOGY AND RHEOLOGY IN A POLYMER COMPOSITE , Deverpiran Vishak Perumal, RMIT University, Melbourne, Victoria	KN013 NEW STATIC EXTENSIONAL MIXING ELEMENTS FOR TWIN-SCREW EXTRUSION: COMPUTATIONAL AND EXPERIMENTAL VALIDATION , Dr. Joao Maia, Case Western Reserve University, USA
	Oral Talks	Oral Talks	Oral Talks
16:45 - 17:00	OC021 VISUALIZATION ANALYSIS OF ASYMMETRIC FOUNTAIN FLOW PHENOMENA BY DYNAMIC OBSERVATION OF MELT FRONT BEHAVIORS , Jingru Guo, The University of Tokyo, Japan	OC026 TRANSPARENT OIL/WATER SEPARATION FILTER USING POLYESTER MESH , Prof. Seimei Shiratori, Keio University, Japan	OC031 BIREFRINGENCE CONTROL OF POLYMERIC FILMS BY ANISOTROPIC STRUCTURE AND ITS OPTICAL APPLICATION , Hikaru Shimada, Japan Advanced Institute of Science and Technology, Japan
17:00 - 17:15	OC022 DIRECT JOINING OF INJECTION MOLDED POLYMER ON ABRASIVE BLASTED METAL: INVESTIGATION OF MOLDING CONDITIONS , Dr Fuminobu Kimura, The University of Tokyo, Japan	OC027 IONIC LIQUID-ASSISTED ENERGY-SAVING PREPARATION OF STARCH-BASED ELECTRO-CONDUCTIVE MATERIALS , Dr. Fengwei, Xie, The University of Queensland	OC032 PREPARATION OF MULTI-FUNCTIONAL GREENHOUSE COVER FILM WITH UV FILTRATION, NIR REFLECTION AND GOOD LIGHT DIFFUSION , Duangruthai Srinin, National Metal and Materials Technology Center, Thailand
17:15 - 17:30	OC023 UNDERSTANDING HYDROSTATIC PRESSURE TESTING OF POLYETHYLENE PRESSURE PIPES , Tom Kourlas, Qenos Pty. Ltd.	OC028 IMPROVING CELL MORPHOLOGIES AND MECHANICAL PROPERTIES OF INJECTION MOLDED POLYAMIDE 6 FOAMS BY USING HYDROPHOBIC MODIFIED CELLULOSE NANOFIBER , Akihiro Ito, Kyoto Municipal Institute of Industrial Technology and Culture, Japan	OC033 STRESS-OPTICAL BEHAVIOR OF AMORPHOUS FILMS DURING TWO-STEP UNI-AXIAL STRETCHING AND SEQUENTIAL BI-AXIAL STRETCHING PROCESSES , Dr. Wataru Takarada, Tokyo Institute of Technology, Japan
17:30 - 17:45	OC024 A STUDY ON INFLUENCE OF RESIN TEMPERATURE ON FILLING BALANCE OF MULTI-CAVITY MOLD , Norimichi Masuda, Institute of Industrial Science, The University of Tokyo, Japan	OC029 PROCESS FOR SOLVING HEAT SEALING PROBLEMS IN POLYETHYLENE FILMS , Dr. Steve Mirams, Qenos Pty Ltd	OC034 CO₂ LASER PERFORATION OF POLYPROPYLENE FILMS PREPARED BY SIMULTANEOUS BIAXIAL STRETCHING , Charinee Winotapun, Tokyo Institute of Technology, Japan
17:45 - 18:00	OC025 MOLD AND MOLDED HISTORY DEPENDENCE OF MECHANICAL PROPERTIES OF RECYCLED AMORPHOUS PLASTICS , Prof. Shigeru Yao, Fukuoka University, Japan	Entrepreneurship and Commercialisation OC030 MASTERBATCH INNOVATION - TOWARDS 2020 , Neil Whelan, Axieo Masterbatch	OC035 ULTRA-HIGH MOLECULE WEIGHT POLYETHYLENE FILTRATION MATERIALS , Dr. Yongfei Sun, Shanghai Research Institute of Chemical Industry & State Key Laboratory of Polyolefins and Catalysis, China
18:00 - 19:00	Poster Session, Skyline Lounge Poster Session sponsored by:	 The connection you can trust.	Poster Prize sponsored by:  

Tuesday 8 November 2016

07:45 - 18:30	Registration open, <i>Skyline Lounge</i> , 4 th floor, <i>Rydges on Swanston Hotel</i>	
8:30 - 9:10	Skyline Room	
	Plenary Lectures	
	Session Chair: Prof Sati Bhattacharya, RMIT University	
	PL003 BIOPOLYMERS AND REACTIVE PROCESSING , Dr. Jinghua Yin, Chang Chun Institute of Applied Chemistry, China	
9:10 - 9:50	PL004 DISRUPTION AND INNOVATION TOOLS Evan Shellshear, Ebex	
9:50 - 10:15	Tea Break and exhibition, <i>Skyline Lounge</i>	
	Horizon Room	Panorama and Vista Room
	Session D1: Extrusion, Compounding and Films continued Session Chair: Prof. Takeshi Kikutani, Tokyo Institute of Technology, Japan	Session D2: Advanced Molding Processes Session Chair: Dr. Trung Nghia Phan, Hanoi University of Science and Technology, Vietnam
	Keynote Presentation	Keynote Presentation
10:15 - 10:40	KN014 BIAxIAL STRETCHABILITY AND FILM THICKNESS UNIFORMITY OF POLYPROPYLENE , Dr. Toshitaka Kanai, KT Polymer, Japan	KN015 GF/PP INJECTION MOLDING BY DFFIM , Prof. Hiroyuki Hamada, Kyoto Institute of Technology, Japan
	Oral Talks	Oral Talks
10:40 - 10:55	OC036 YALLOURN POWER STATION FLOODING CASE STUDY INTO THE VERSATILITY OF PE100 PIPES , Philip Adetunji, Qenos Pty Ltd.	OC041 PREDICTING THE SHAPE AND BOND STRENGTH OF INJECTION OVERMOLDED STAMP FORMED COMPOSITES , Dr. Franco Costa, Autodesk, Inc.
10:55 - 11:10	OC037 WET SPINNING OF PAN-BASED POLYMERS MADE BY RAFT TECHNOLOGY , Dr. Jasjeet Kaur, CSIRO	OC042 NEW RESINS FOR 3D PRINTING OF RAPID PROTOTYPES , Dr. Timothy Hughes, CSIRO Manufacturing
11:10 - 11:25	OC038 LAMELLAR THICKENING AND THE RESULTANT ABNORMAL MELTING BEHAVIOR OF ISOTACTIC POLYPROPYLENE FILMS , Prof. Huihui Li, Beijing University of Chemical and Technology, China	OC043 NANOPOROUS OF PILLARS-LIKE STRUCTURE OBTAINED BY POLYMER BLENDS - PRECISE MOLDING SYSTEM , Paritat Muanchan, Research Center for GREEN Materials and Advanced Processing (GMAP), Graduate School of Science and Engineering, Yamagata University, Japan
11:25 - 11:40	OC039 replaced by PP024 BIO-ACTIVE CLAY BASED HDPE NANOCOMPOSITES: A POTENTIAL FUNCTIONAL PLASTIC , Anasuya Roy, Indian Institute of Technology Delhi, New Delhi, Delhi, India	OC044 PHYSICAL REGERATION OF RECYCLED RESIN AND APPLICATION TO THE REAL CONTAINERS AND PACKAGING RESIN , Aya Tominaga, Fukuoka University, Japan
11:40 - 11:55	OC040 DEGRADABLE POLYMERIC NERVE GUIDES PRODUCED BY FIBRE EXTRUSION, KNITTING AND ELECTROSPINNING . Prof. Mike O'Shea, CSIRO	OC045 EFFECTS OF MICROSTRUCTURE ON THE MECHANICAL PROPERTIES OF HIGH DENSITY POLYETHYLENE FOR THE INJECTION MOLDING APPLICATION , Dr. Myung Han Lee, LG Chemical, Republic of Korea
11:55 - 12:55	Lunch and exhibition, <i>Skyline Lounge</i>	
	Panorama and Vista Room	Horizon Room
	Session E1: A Special Symposium for Prof Sati Bhattacharya Session Chairs: , A/Prof. Nhol Kao, RMIT University and Dr. Rahul Gupta, RMIT University	Session E2: Blends, Reactive Systems and Elastomers continued Session Chair: Dr Wannee Chinsirikul, National Nanotechnology Center (NANOTEC), Thailand
	Keynote Presentations	Keynote Presentations
12:55 - 13:20	KN016 THE MOLD IN THE FOCUS , Prof. Clemens Holzer, Montanuniversitaet Leoben, Austria	KN021 SUPER TOUGHNED BIODEGRADABLE POLYLACTIDE BLENDS WITH NON-LINER COPOLYMER INTERFACIAL ARCHITECTURE OBTAINED VIA FACILE IN-SITU REACTIVE COMPATIBILIZATION , Prof. Suprakas Sinha Ray, Council for Scientific and Industrial Research, South Africa
13:20 - 13:45	KN017 EXTENSIONAL FLOW MIXING OF IMMISCIBLE POLYMERS WITH NANOPARTICLE STABILIZATION , Prof. Rakesh Gupta, West Virginia University, USA	KN022 PHOTODEFORMABLE LIQUID CRYSTAL POLYMERS AND BIOINSPIRED APPLICATIONS , Prof. Yanlei Yu, Department of Materials Science & State Key Laboratory of Molecular Engineering of Polymers, Fudan University, China

Tuesday 8 November 2016 continued

13:45 – 14:10	KN018 replaced by KN012 FABRICATION OF HIGH-PERFORMANCE STEREOCOMPLEXED POLYLACTIDE PRODUCTS WITH GOOD OPTICAL TRANSPARENCY VIA LOW-TEMPERATURE SINTERING , Prof. Qiang Fu, Sichuan University, China	13:45 – 14:00	Oral talks
			OC046 NETWORK STRUCTURES AND PHYSICAL PROPERTIES OF CROSSLINKED METALLOCENE EPDM , Dr. Kazuki Mita, Mitsui Chemicals, Inc., Japan
14:10 – 14:35	KN019 SMART MAGNETORHEOLOGICAL SUSPENSIONS: FABRICATION, CHARACTERIZATION AND APPLICATION , Prof. Hyoung Jin Choi, Inha University, Republic of Korea	14:00 – 14:15	OC047 SYNTHESIS AND CHARACTERIZATION OF NOVEL POLYURETHANE ELASTOMERS CROSSLINKED BY ROLYROTAXANES , Prof. Hiroto Murakami, Nagasaki University, Japan
		14:15 – 14:30	OC048 SURFACE CONSTRUCTION ON THERMOPLASTIC ELASTOMERS WITH MICRO/NANO-FABRICATION TOWARDS BIOMEDICAL APPLICATION , Dr. Qiang Shi, ChangChun Institute of Applied Chemistry, China
14:35 – 15:00	KN020 INFLUENCE OF BLENDING, NUCLEATION AND ANNEALING ON MORPHOLOGY AND PROPERTIES OF INJECTION MOULDED POLY (L-LACTIDE) , Dr. Hans-Joachim Radsch, University Halle-Wittenberg, Germany	14:30 – 14:45	OC049 PHASE SEPARATION IN THERMOPLASTIC PROTEIN/POLYESTER BLENDS , Matthew Smith, University of Waikato, New Zealand
		14:45 – 15:00	OC050 SMALL- AND WIDE-ANGLE X-RAY SCATTERING STUDIES ON METALLOCENE EPDM AND EBDM , Kiminori Uchida, Mitsui Chemicals, inc., Japan
15:00 – 15:25	Tea Break and exhibition, Skyline Lounge		
	Panorama and Vista Room		Horizon Room
	Session F1: A Special Symposium for Prof Sati Bhattacharya continued Session Chair: Prof. Clemens Holzer, Montanuniversitaet Leoben, Austria, Prof. Hyoung Jin Choi, Inha University, Republic of Korea	Session F2: Rheology and Advanced Characterization Session Chair: Dr. Joao Maia, Case Western Reserve University, USA	
	Keynote Presentations		Keynote Presentation
15:25 – 15:50	KN023 ADVANCED PROCESSING TECHNOLOGIES FOR POLY(VINYL ALCOHOL) BASED FUNCTIONAL MICRO/NANOCOMPOSITES , Prof Qi Wang, State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute of Sichuan University, China	KN028 EVALUATION OF LONG-TERM PERFORMANCE OF PLASTIC PIPES FOR HOT WATER APPLICATION , Dr. Hiroyuki Nishimura, Kyoto Institute of Technology, Japan	
15:50 – 16:15	KN024 FORMATION AND SELF-ORGANIZATION OF SURFACE NANODROPLETS TOWARDS POLYMERIC MICROPATTERNS , Prof. Xuehua Zhang, (RMIT University)	KN029 APPLICATION OF HEAT TRANSFER CONTROL IN THERMOPLASTIC POLYMER PROCESSING , Prof. Takushi Saito, Tokyo Institute of Technology, Japan	
16:15 – 16:40	KN025 3D PRINTED BIODEGRADABLE CAGE FOR THE TREATMENT OF SEGMENTAL BONE DEFECT , Prof. Shih-Jung Liu, Chang Gung University, Taiwan	16:15 – 16:30	Oral Talks
			OC052 A TALE OF TWO MOTORS , Ashish Kumar, MEP Instruments
16:40 – 17:05	KN026 POLY IONIC LIQUID BASED FLEXIBLE ELECTROLYTE PLATFORM FOR CLEAN ENERGY: OPPORTUNITIES AND CHALLENGES , Prof. Namita Roy Choudhury, University of Adelaide	16:30 – 16:45	OC053 THE POLYMORPHIC CRYSTALLIZATION BEHAVIOUR OF POLYMER IN THE NANOPOROUS ANODIC ALUMINA OXIDE TEMPLATE , Dr. Xiaoli Sun, State Key Laboratory of Chemical Resource Engineering, Beijing University of Chemical Technology, China
17:05 – 17:30	KN027 replaced by PP035 OPTIMIZATION OF ACID HYDROLYSIS FOR NANOCRYSTALLINE CELLULOSE PRODUCTION FROM RICE HUSK PULP USING RESPONSE SURFACE METHOD , Md. Sakinul Islam, RMIT University	16:45 – 17:45	CURRENT & FUTURE TRENDS IN PLASTICS Panel Members: David Francis - Marketing and Technology Manager, Qenos David Kenworthy - Managing Director, ZEZT and member of Vinidex Executive Team Mitchell Killeen, Director JV and BD Lyondell Basell Prof John Vlachopoulos , Mc Master University, Canada
17:30 – 17:45	Oral Talk		
	OC051 A CASE STUDY IN CABLE EXTRUSION - UNDERSTANDING RHEOLOGY WITHOUT RHEOMETERS? , Dr. Ivan Ivanov, Nexans Olex		
18:30	Walk to Banquet (1.5km, approx. 15-20 minutes). Meet in Rydges on Swanston foyer.		
19:00	Workshop Banquet, Ormond College 49 College Crescent, Parkville, Melbourne Workshop Banquet sponsored by:		



Wednesday 9 November 2016

07:45 - 13:00	Registration open, Skyline Lounge, 4 th floor, Rydges on Swanston Hotel	
	Skyline Room	
	Plenary Lectures	
	Session Chair: Prof. Mike O'Shea, CSIRO	
08:30 - 09:10	PL005 THE FUTURE OF MAKING THINGS , Matthew McKnight, Autodesk	
09:10 - 09:50	PL006 ADAPTATION OF RECYCLING TECHNOLOGIES AND BUSINESS MODELS FOR PLASTICS IN A CIRCULAR ECONOMY , Edward Kosier, Nextek, UK	
09:50 - 10:00	Acknowledgements / Vote of Thanks	
10:00 - 10:25	Tea Break and exhibition, <i>Skyline Lounge</i>	
	Panorama and Vista Room	Horizon Room
	Session G1: Textiles and Fibers Session Chair: Prof. Rakesh Gupta, West Virginia University, USA	Session G2: Plastics in Electronics and Energy Session chair: Prof. Namita Roy Choudhury, University of Adelaide
	Keynote Presentation	Keynote Presentation
10:25 - 10:50	KN030 CHARACTERIZATION OF HIGH-STRENGTH FIBERS , Prof. Takeshi Kikutani, Tokyo Institute of Technology, Japan	KN032 OXIDE BASED FLEXIBLE AND STRETCHABLE SENSORS FOR WEARABLE ELECTRONICS , A/Prof. Madhu Bhaskaran, Functional Materials and Microsystems Research Group, RMIT University
10:50 - 11:15	KN031 THERMOCHROMIC COMPOSITE FIBRES CONTAINING LIQUID CRYSTALS FORMED VIA MELT EXTRUSION , Prof. Mike O'Shea, CSIRO	KN033 ADVANCES IN DEVELOPMENT AND CHARACTERISATION OF ANHYDROUS PROTON-CONDUCTING POLYMER ELECTROLYTE MEMBRANES , Dr. Haijin Zhu, Deakin University
	Oral Talks	Oral Talks
11:15 - 11:30	OC055 DIRECT PREPARATION OF NANOFIBER YARN BY NEEDLELESS MELT ELECTROSPINNING WITH ASSISTED SUCTION WIND AND ROTATING COLLECTOR , Dr. Haoyi Li, Beijing University of Chemical Technology, China	OC059 PATEAU TO POWER STATION TO PADDOCK THE MIDLANDS IRRIGATION SCHEME , David Kenworthy, Zest Pty Ltd.
11:30 - 11:45	OC056 3D NANO CAGE STRUCTURE OF ELECTROSPUN NANOFIBER FOR HIGH PERFORMANCE AIR FILTER WITH EXTREMELY LOW PRESSURE LOSS , Prof. Seimei Shiratori, Keio University, Japan	OC060 FABRICATION OF ORGANIC FIELD EFFECT TRANSISTOR BASED ULTRAVIOLET SENSOR USING AZOBENZENE-CONTAINING FILMS AS GATE DIELECTRICS , Kang Eun Lee, Korea Institute of Materials Science, Republic of Korea
11:45 - 12:00	OC057 CELLULOSE NANOFIBER ASSISTED DISPERSION OF CELLULOSE NANOCRYSTALS@POLYANILINE IN WATER AND ITS CONDUCTIVE FILMS , Prof. Chun Wei, Guilin University of Technology, China	Modelling and Simulation OC061 DEFORMATION BEHAVIOUR OF NOTCHED THERMO-PLASTIC ELASTOMER SPECIMEN - ANALYSIS OF YIELD STRESS - STRAIN RELATION , Yumiko, Isogai, Toyobo Co. Ltd. Research Center, Japan
12:00 - 12:15	OC058 MECHANICAL PROPERTIES AND MICROSTRUCTURE OF POLYMER FILMS WITH LASER WELDING METHOD , A/Prof. Kazushi Yamada, Kyoto Institute of Technology, Japan	OC062 ADVANCED COOLING SIMULATION TECHNOLOGIES FOR THE INJECTION MOLDING PROCESS , Clinton Kietzmann, Autodesk Australia
12:15 - 13:05	Lunch and exhibition, <i>Skyline Lounge</i>	
13:05 - 19:00	Optional Industry and Scientific Organisation visits to Qenos or CSIRO Geelong and Carbon Nexus Everybody should board bus by 13:05. Buses depart from Lincoln Square North (Restaurant side of Rydges on Swanston)	