

Conference Programme

Time	PROGRAMME DAY 1 (5 Oct 2022)
2.30-6.00 pm	Registration
2.30-4.30 pm	Executive Meeting
4.30-5.30 pm	High Tea for Executive Meeting

Time	PROGRAMME DAY 2 (6 Oct 2022)	
8.00-8.20 am	Registration	
Venue: Kencana Grand Ballroom		
8.20-8.30 am	<p style="text-align: center;">Welcoming Remarks by Chairman, Asian Workshop on Polymer Processing 2022 Chairperson: Dr. Mohamad Danial Shafiq</p>	
8.30-9.15 am	<p style="text-align: center;">Plenary 1: Mr. Chan Pak Kuen, PRIM Title: Polymer Processing Development Towards Environmental Sustainability Goals: An Overview Chairperson: Prof Dr. Zulkifli Mohamad Ariff</p>	
9.15-9.45 am	<p style="text-align: center;">Keynote 1 (ONLINE): Prof. Dr. Chaobin HE, National University of Singapore Title: Entropy Driven Ultratough Blends from Brittle Polymers: Mechanisms and Applications Chairperson: Prof Dr. Zulkifli Mohamad Ariff</p>	
9.45-10.15 am	<p style="text-align: center;">Keynote 2: Prof. Dr. Rusli Daik, UKM Title: Porous Molecularly Imprinted Poly(vinylbenzyl chloride) for EDLC Electrode Chairperson: Prof Dr. Zulkifli Mohamad Ariff</p>	
10.15-10.45 am	<p>Photo session and tea break Venue: Kencana Foyer</p>	
Break Out Session	<p style="text-align: center;">Parallel session: PHYSICAL Chairperson: Prof. Dr. Azura A. Rashid Venue: Kencana A</p>	<p style="text-align: center;">Parallel session: ONLINE Chairperson: Assoc. Prof. Ir. Ts. Dr. Zuratul Ain Abdul Hamid Venue: Kencana B</p>

10.45 am – 1.00 pm	Time	Presenter	Time	Presenter
	10.45-11.05	INVITED 1: MOHAMMAD JAWAID (0057) SAFE BIODEGRADABLE PACKAGING TRAY FROM AGRICULTURAL BIOMASS	10.45-11.05	INVITED 3: NORAZILAWATI MUHAMAD SARIH (0054) HIGHLY BRANCHED POLYISOPRENE: EXPLOITING THE “STRATHCLYDE ROUTE” IN ANIONIC POLYMERISATION
	11.05-11.25	INVITED 2: DASMAWATI MOHAMAD (0042) DEVELOPMENT OF POLYAMIDE COMPOSITE AS AN ALLOPLASTIC 3D PRINTER FEEDSTOCK	11.05-11.25	INVITED 4: SAM SUNG TING (0044) PREPARATION AND PROPERTIES OF CELLULOSE NANOCRYSTAL/CHITOSAN COMPOSITE FILMS: EFFECTS OF CROSSLINK METHOD
	11.25-11.40	YUTA HIKIMA (0011) NEAR-INFRARED SPECTROSCOPIC BIREFRINGENCE IMAGING OF UNIAXIALLY STRETCHED ELASTOMER	11.25-11.45	INVITED 5: KAH FAI CHAN (0048) BIOMASS EXTRUSION TREATMENT: EFFECTS ON THERMAL, PHYSICAL AND MECHANICAL PERFORMANCE OF RICE HUSK AND OIL PALM TRUNK FILLED POLYPROPYLENE COMPOSITES
	11.40-11.55	KENTARO TAKI (0003) SENSING TECHNOLOGY OF PELLETS’ PLASTICATION AND GLASS FIBRE BREAKAGE IN A TWIN SCREW EXTRUDER	11.45-12.00	TAKUMITSU KIDA (0004) RHEO-RAMAN SPECTROSCOPIC STUDY OF FLOW-INDUCED CRYSTALLIZATION OF SEMI-CRYSTALLINE POLYMERS
	11.55-12.10	ITSUKI YOSHIKAWA (0008) NEAR-INFRARED SPECTROSCOPIC DETECTION OF PHASE SEPARATION OF PHYSICAL BLOWING AGENT FROM POLYMER DURING FOAM INJECTION MOLDING	12.00-12.15	ALFIANANDA DWIKI ARIOSENO (0046) PHYSICAL AND MECHANICAL PROPERTIES OF GFRP COMPOSITE WITH ADDITION OF PUMESTY STONE PARTICLES WITH CALCINATION AND HCL TREATMENT
	12.10-12.25	WAN NORDIANA RAHMAN (0005) CUSTOMIZED 3D PRINTED TPU SLAB PHANTOM FOR 6 MV PHOTON BEAMS RADIOTHERAPY	12.15-12.30	WILLIAM YUNG LING LIM (0026) CHARACTERIZATION OF COMMERCIAL SOLDER MASK IN PRINTED CIRCUIT BOARD APPLICATION
	12.25-12.40	NOOR NABILAH TALIK SISIN (0006) RADIATION ATTENUATION EVALUATION OF DIFFERENT DENSITY OF POLYLACTIC ACID (PLA) AND TOUGH PLA AS TISSUE EQUIVALENT MATERIALS FOR RADIOTHERAPY PHANTOM	12.30-12.45	BURHANUDIN YUSUF (0039) EFFECT OF FUMIGATION TREATMENT ON THE MECHANICAL PROPERTIES OF CANTALA FIBER-UNSATURATED POLYESTER COMPOSITE FABRICATED BY COMPRESSION MOLDING METHOD
	12.40-12.55	WATARU TAKARADA (0007) ANALYSIS OF COMPRESSION FRACTURE BEHAVIOR OF CARBON FIBER BY IN-SITU SAXS MEASUREMENTS USING SYNCHROTRON RADIATION	12.45-1.00	NUUR SYUHADA DZULKAFLY (0056) EFFECT OF SUGARCANE BAGASSE FILLER ON THE MECHANICAL PROPERTIES AND BIODEGRADABILITY OF NATURAL RUBBER LATEX FILMS
1.00-2.30 pm	Lunch break Venue: Bayu Restaurant			

Venue: Kencana Grand Ballroom

2.30-3.00 pm	<p align="center">Vendor 1: Dr Zhenli Wei, Synthomer Title: Easy recycle and reuse of NBR gloves made by using SyNovus Plus NBR Chairperson: Assoc. Prof. Ir. Dr. Nadras Othman</p>				Vendor Talks-1
3.00-3.30 pm	<p align="center">Vendor 2: Wong Yean Ching, RGS Corporation Title: Application of Thermal Analysis in Polymer Chairperson: Assoc. Prof. Ir. Dr. Nadras Othman</p>				
3.30-3.45 pm	Tea break				
Break Out Session	<p align="center">Parallel session: PHYSICAL Chairperson: Dr. Arjulizan Rusli Venue: Kencana A</p>			<p align="center">Parallel session: ONLINE/PHYSICAL Chairperson: Dr. Mohamad Danial Shafiq Venue: Kencana B</p>	
	Time	Presenter	Time	Presenter	
3.45 -5.10 pm	3.45-4.05	INVITED 6: HIROTO MURAKAMI (0013) POLYURETHANE ELASTOMERS CROSSLINKED BY POLYROTAXANES -INFLUENCE OF POLYROTAXANE STRUCTURE ON THERMAL AND PHYSICAL PROPERTIES-	3.45-4.05	INVITED 8: KUSMONO (0034) TENSILE AND LIGHT TRANSMITTANCE PROPERTIES OF POLYVINYL ALCOHOL/CELLULOSE NANOCRYSTALS/GLYCEROL BIO-COMPOSITE FILMS	
	4.05-4.25	INVITED 7: MOHAMMAD AZIZOL ABDUL WAHAB (0014) POST-REACTOR MODIFICATIONS OF POLYBUTADIENE RUBBER VIA SOLUTION INTERCALATION METHOD AND ITS POTENTIAL APPLICATION IN INDUSTRIAL SCALE PRODUCTION	4.05-4.25	INVITED 9: NOR KARTINI ABU BAKAR (0058) MOLECULARLY IMPRINTED POLYMER FOR DETERMINATION OF NEONICOTINOID PESTICIDE RESIDUES IN HONEY BY LC-QQQ-MS/MS	
	4.25-4.40	HIROTAKA FUNAHASHI (0009) EFFECT OF SILICA NANOFILLERS ON CRYSTALLIZATION OF ISOTACTIC POLYPROPYLENE	4.25-4.40	FATIRAH SARIH (0053) DISPERSION OF ANTIMICROBIAL AGENT AND ITS MICROBIAL ACTIVITY METHODS: A MINI REVIEW OF ANTIMICROBIAL NATURAL RUBBER LATEX	
	4.40-4.55	MIKA AKAGI (0015) TEXTURE EVALUATION OF SOY PROTEIN-BASED EDIBLE FIBER PREPARED BY WET SPINNING	4.40-4.55	NUR RAIHAN MOHAMED (0012) COMPARATIVE STUDY OF DIFFERENT PROCESSING TECHNIQUE ON CURE CHARACTERISTICS AND MECHANICAL PROPERTIES OF NR/BR/SSBR BLENDS	
	4.55-5.10	TAKUSHI SAITO (0022) ANALYSIS OF HEAT TRANSFER AT POLYMER INTERFACE BY MOLECULAR DYNAMICS SIMULATION	4.55-5.10	NOORFARISYA IZMA JEFFRI (0033) PROCESSING AND CHARACTERIZATION OF POLY(HYDROXYBUTYRATE) (PHB) AND POLY (BUTYRATE-CO-ADIPATE-TEREPHTHALATE) (PBAT) BLENDS FOR FUSED DEPOSITION MODELING (FDM) 3D PRINTING	
8.00-10.00 pm	DINNER				

	Venue: Sand Court			
Time	PROGRAMME DAY 3 (7 Oct 2022)			
8.00-8.30 am	Registration			
	Venue: Kencana Grand Ballroom			
8.30-9.15 am	Plenary 2: Prof. Dr. Toshihisa Kajiwara, Kyushu University Chairperson: Prof. Dr. Chow Wen Shyang			AWPP opening-2
9.15-9.45 am	Keynote 3: Prof. Basuki Wirjosentono, Universitas Sumatera Utara Title: Utilisations of Cellulose-based Natural Resources in Sustainable Polymer Processing Technologies Chairperson: Prof. Dr. Chow Wen Shyang			
9.45-10.15 am	Keynote 4 (ONLINE): Prof. Dr. Sadhan C. Jana, The University of Akron Title: Science and Technology of Functional Materials Design from Various Polymer Materials Including Wastes Chairperson: Prof. Dr. Chow Wen Shyang			
10.15-10.45 am	Tea break			
Break Out Session	Parallel session: PHYSICAL Chairperson: Prof. Ir. Dr. Mariatti Jaafar Venue: Kencana A		Parallel session: ONLINE Chairperson: Dr. Mohamad Danial Shafiq Venue: Kencana B	
10.30 am – 1.00 pm	Time	Presenter	Time	Presenter
	10.45-11.05	INVITED 10: HAKIMAH OSMAN (0047) EFFECT OF ENR CONTENT ON DYNAMIC MECHANICAL CHARACTERISTICS OF ENR/NR AND ENR/BR BLENDS	10.45-11.05	INVITED 12: SITISAIYIDAH SAIWARI (0049) RECYCLING OF RUBBER GLOVES AND ITS APPLICATIONS
	11.05-11.25	INVITED 11: ZURATUL HAMID (0050) COMPARISON OF GENTAMICIN AND DEXAMETHASONE RELEASE KINETICS FROM POLY(LACTIC ACID) (PLA) MICROSPHERES FOR DRUG DELIVERY SYSTEMS	11.05-11.25	INVITED 13: ABDULHAKIM MASA (0051) EFFECT OF MALEIC ANHYDRIDE ON PROPERTY OF MALEATED NATURAL RUBBER
	11.25-11.40	SHIGERU YAO (0023) PHYSICAL REGENERATION PROCESS FOR MECHANICAL RECYCLING	11.25-11.45	INVITED 14: NABIL HAYEEMASAE (0052) THE EFFICIENCY OF ANTIBACTERIAL NATURAL RUBBER FILLED WITH MODIFIED ZINC OXIDE
	11.40-11.55	MIMI SYAHIRA MASRAFF (0029) PUNCTURE-PROOF PROPERTIES OF SELF-HEALING NATURAL RUBBER	11.45-12.00	ISSAM ALDWIMI (0025) EVALUATION OF FLEXURAL STRENGTH PROPERTIES AND SURFACE ROUGHNESS OF POLY(METHYL METHACRYLATE)

				DENTURE BASE MATERIAL REINFORCED WITH COMPOSITE OF DIFFERENT NANOTUBES FILLERS
	11.55-12.10	ABDUL REHMAN (0030) EFFECT OF HALLOYSITE NANOTUBES ON THE PERFORMANCE OF SELF-HEALING NATURAL RUBBER	12.00-12.15	CHI LOON NG (0018) POLYACRYLAMIDE/POLYETHYLENIMINE/CELLULOSE/NANO-HYDROXYAPATITE NANOCOMPOSITE FOR PB2+ ION ADSORPTION
	12.10-12.25	NOOR FAEZAH MOHD SANI (0031) EFFECT OF SILICA REINFORCEMENT ON SELF-HEALING PROPERTIES OF NATURAL RUBBER	12.15-12.30	PING ZHU (0024) EFFECTS OF SINGLE-WALLED CARBON NANOTUBE ON THE ELECTRICAL AND MECHANICAL PROPERTIES OF THERMOPLASTIC POLYURETHANE NANOCOMPOSITES
	12.25-12.40	NORSHAHLI MAT SAAD (0035) PREPARATION AND CHARACTERIZATION OF POLYOXIME-URETHANE ELASTOMER FOR SELF-HEALING APPLICATIONS	12.30-12.45	NURUL ADILAH SHAHRUL FAIZAL (0053) A STUDY OF MICROWAVE RADIATION EFFECT IN DEVULCANISATION OF ETHYLENE PROPYLENE DIENE RUBBER WASTE
	12.40-12.55	NOR MAZLINA ABDUL WAHAB (0020) CHARACTERIZATION AND TENSILE PROPERTIES OF SELF-HEALING CHITIN-DEVULCANIZED ETHYLENE PROPYLENE RUBBER (EPDM) -WASTE NATURAL RUBBER (NR) BLEND		
1.00-2.30 pm	Lunch break Venue: Bayu Restaurant			
Venue: Kencana Grand Ballroom				
2.30-3.00 pm	Vendor 3: Lim Fung Kiang, DKSH Title: Multicore Empyrean: Automatic Multi-Analysis Characterization Tool for Advanced Polymers Chairperson: Ts. Dr. Muhamad Sharan Musa			Vendor Talks-2
Break Out Session	Parallel session: PHYSICAL Chairperson: Ts. Dr. Muhamad Sharan Musa Venue: Kencana A		Parallel session: PHYSICAL Chairperson: Assoc. Prof. Ir. Dr. Nadras Othman Venue: Kencana B	
	Time	Presenter	Time	Presenter
3.00-4.00 pm	3.00-3.20	INVITED 15: ZULKIFLI MOHAMAD ARIFF (0038) MICROWAVE FOAMING OF ETHYLENE VINYL ACETATE COPOLYMER: FOAM CELL CHARACTERIZATION AND ACOUSTIC PROPERTIES EVALUATION	3.00-3.20	INVITED 16: MOHAMAD DANIAL SHAFIQ (0040) INTERACTIONS OF OIL-BASED POLYMERIC COLLOIDAL SYSTEM FOR FUNCTIONAL APPLICATIONS: A REVIEW
	3.20-3.35	MS. NURFARAHIN MOHD. NORDIN (0032)	3.20-3.35	SITI RUDHZIAH (0043)

		PROPERTIES OF POLYLACTIC ACID BIOCOMPOSITE FOAMED TREATED VIA SUPERCRITICAL CARBON DIOXIDE		ELECTRICAL PROPERTIES OF NANOHYBRID POLYMER ELECTROLYTES BASED ON SEAWEED KAPPA-CARRAGEENAN
	3.35-3.50	FARAH FAZLINA BT MOHD RIDZUAN (0036) EXPLORING THE MECHANICAL AND THERMAL PROPERTIES OF HEMICELLULOSES FILM FABRICATED FROM OIL PALM TRUNK	3.35-3.50	MUHAMMAD RASHID SHAMSUDDIN (0036) PREPARATION AND CHARACTERIZATION OF GLYCIDYL METHACRYLATE BASED INVERSE VULCANIZED COPOLYMERS
	3.50-4.05	MOHD EUSOFF AZIZOL NASHRIBY (0019) AN OPTIMIZATION 316L STAINLESS STEEL GREEN PART PARAMETERS FOR FUSED DEPOSITION MODELLING	3.50-4.05	MUHAMMAD AFIQ AZMI (0045) NUMERICAL INVESTIGATION ON THE POLYMER FLOW IN A RESTRICTION FLOW PATH
4.05-4.20 pm	Tea Break			
4.20-4.40 pm	Closing Ceremony			