

ISF2024 Program

Venue: KYOTO TERRSA
Updated date: Sep. 11

Date	Time	Section	
			1F, East
			Restaurant "Rin"
Nov. 25	15:00		Registration
Monday	17:00		Welcome Party
Day 0	19:00		Session End

Special Sessions

S1. Tradition and Culture of Fibers and Textiles
S2. Sustainable and Environmentally-Benign Fiber Science and Technology
S3. International Collaboration

General Sessions

G1. Fibers and Polymer Materials	G5. Dyeing and Finishing
G2. Soft Matter	G6. Textiles and Apparel
G3. Biomedical Materials	G7. Textile Machinery
G4. Molding, Processing, and Spinning	G8. Industrial Textiles and Smart Textiles
	G9. Management, Marketing, and Education

Date	Time	Section	1F, West	2F, West	2F, East				3F, East		
			Room A (Terrasa Hall)	Terrasa Hall 2F Lobby	Room B (Seminar Room 1+2)	Room C (Seminar Room 3)	Room D (Medium Conference Room)	Room E (AV Study Room)	Room F (Large Conference Room A+B)	Room G (Large Conference Room C)	Room H (Conference Room D)
Nov. 26 Tuesday Day 1	8:30		Registration at Hall Entrance								
	9:30	1-1	Opening Ceremony								
	9:50		Break								
	9:55	1-2	1A02PL [Melt Spinning of Bicomponent Fibers - Fundamentals and Applications -] Takeshi Kikutani ¹ (¹ Tokyo Institute of Technology)								
	10:40	1-3	1A03PL [Processing Biopolymer Nanofibers-Lessons Learned] Caroline L. Schauer ¹ (¹ Drexel University)								
	11:25	1-4	1A04PL [Textile Based Energy Harvesting] Savvas Vassiliadis ¹ (¹ University of West Attica)								
	12:10		Break								
	13:30	1-5	S2								
	13:50	1-6	S2								
	14:10	1-7	1A07 [Plasticizing Effect of a Pressure-processable Copolyester on Poly(L-lactide)] Neha Sharma ¹ , Tsuyoshi Koga ² , Shigeru Deguchi ¹ , Ikuo Taniguchi ¹ (¹ Kyoto Institute of Technology, ² Kyoto University, ³ Japan Agency for Marine-earth Science and Technology)	1B05 [Direct Observation of Chain Adsorption onto a Solid Surface during Spin-coating] Yuma Morimitsu ¹ , Hisao Matsuno ¹ , Keiji Tanaka ^{1,2} (¹ Department of Applied Chemistry, Kyushu University, ² Center for Polymer Interface and Molecular Adhesion Science, Kyushu University)	1C05 [Synthesis and Properties of ABA-type Triblock Copolymers consisting of Polycarbonates and Polycycloalkenes] Tatsuya Higuchi ¹ , Shota Hayakawa ¹ , Koji Nakano ¹ (¹ Tokyo University of Agriculture and Technology)	1D05 [Electrospinning of Hyaluronic Acid for Cell Culture Substrates] Komal Raje ¹ , Shoya Tanaka ¹ , Satoshi Fujita ^{1,2} (¹ Department of Frontier Fiber Technology and Sciences, University of Fukui, ² Life Science Innovation Center, University of Fukui)	G7, 8, 9	G2	G6		
14:30	1-8	1A08 [Interfacial Stress Transfer Analyses of Poly-L-lactic Acid / Hydroxyapatite Composites by Synchrotron Radiation and Crystallization Effect] Chenyue He ¹ , Takuya Matsumoto ¹ , Takashi Nishino ¹ (¹ Kobe University)	1B06 [Time Evolution of Adhesion Strength of Polystyrene on Silicon Surface] Reiki Eto ¹ , Hidenobu Taneda ¹ , Tatsuki Abe ² , Yuma Morimitsu ¹ , Keiji Tanaka ^{1,2} (¹ Dept. Appl. Chem., Kyushu Univ., ² Ctr. Polym. Interface Mol. Adhesion Sci., Kyushu Univ.)	1C06 [DMDL – Novel Monomer for the Synthesis of Circular Polymers] Tze Kwang Gerald Er ¹ , Xin Yi Oh ¹ , Xuan Yong Haydon Lim ¹ , Xueheng Dai ¹ , Xiaochen Liang ¹ , Atsushi Goto ¹ (¹ Nanyang Technological University)	1D06 [Cellular Flocculation Using Concentrated Polymer Brush-modified Cellulose Nanofibers] Chiaki Yoshikawa ¹ (¹ National Institute for Materials Science)	1E05IL [Smart Textiles for Energy Harvesting and Self-powered Sensing] Xiaoyang Guan ¹ (¹ School of Fashion and Textiles, The Hong Kong Polytechnic University)	1F05 [Mechanical and Thermal Properties of High-Performance Hydrogels of Polysaccharides] Jun-ichi Horinaka ¹ , Koshiro Hara ¹ , Kenji Urayama ¹ (¹ Kyoto University)	1G05IL [Acoustic Behaviour of Textile Structures and Their Composites] Bijoja Kumar Behera ¹ (¹ Indian Institute of Technology Delhi)			
			1B07 [Formation of Highly Oriented Stereocomplex Crystals through Laser-heated Melt Electrospinning and Subsequent Annealing Processes of Poly(L-lactide acid)/Poly(D-lactide acid) Sheath/Core and Sea/Islands Bicomponent Fibers] Zongzi Hou ¹ , Haruki Kobayashi ¹ , Katsufumi Tanaka ¹ , Wataru Takarada ² , Takeshi Kikutani ² , Midori Takasaki ¹ (¹ Kyoto Institute of Technology, ² Tokyo Institute of Technology, ³ Yokohama National University)	1C07 [TEMPO-catalyzed Oxidation of Cellulose Fibers with Solid NaOCl ₂ H ₂ O] Geoyuan Hou ¹ , Korawit Chitbanpong ² , Miyuki Takeuchi ¹ , Izumi Shibata ¹ , Akira Isogai ¹ (¹ The University of Tokyo)	1D07 [Fabrication of Mucin Hydrogel Fiber for Bacterial Culture] Yuki Nakamura ¹ , Momoka Hirotsaki ¹ , Kanta Numata ² , Eiji Ishikawa ² , Satoshi Fujita ¹ (¹ Dept. Frontier Fiber Technol. Sci., Univ. Fukui., ² NIT, Gumma College.)	1E07IL [Actively Signal-generating Knitted Pressure Sensor Working under Dynamic and Static Pressure Application] Yuya Ishii ¹ (¹ Kyoto Institute of Technology)	1F06 [Chiroptical Property of Liquid Crystalline Phase Formed by Blending Left- and Right-handed Cellulose Lyotropic Solutions] Yuuki Sato ¹ , Kazuki Sugimura ¹ , Hiroshi Kamitakahara ¹ (¹ Kyoto University)	1G07IL [Radiative Cooling Metafibre for Zero-energy and Zero-carbon Thermal Management] John H. Xin ¹ , Maoqi Wu ¹ , Huihan Qiao ² , Jianqiao Hu ¹ (¹ The Hong Kong Polytechnic University)			
			1B08 [Role of a Biobased Plasticizer in Promoting Stereocomplexation in PLLA/PDLA (50/50) Blend] Neimatallah Hosni Mohammed Mahmoud ¹ , Hideaki Takag ² , Nobutaka Shimizu ² , Noriyuki Igarashi ² , Shinichi Sakurai ¹ (¹ Department of Biobased Materials Science, Kyoto Institute of Technology, ² High Energy Accelerator Research Organization (KEK))	1C08 [Practical Substrates Modified with Stimulus/Environment-responsive Polymer Thin Films] Tomoya Sato ¹ (¹ AIIST)	1D08 [Reversible Surface Functionalization of Cellulose Nanocrystals using Metal-Phenolic Networks] Eriko Yamada ¹ , Hirotsuka Ejima ¹ (¹ The University of Tokyo)	1E08 [Wearable Power Generation Using Static Electricity Generated by Friction between Clothing Fibers and Its Application to Motion Sensors] Hiroaki Sakamoto ¹ , Hao Du ² , Haitao Wang ¹ , Eichiro Takamura ¹ (¹ University of Fukui)	1F07 [Chiroptical Properties of Liquid Crystalline Solution of Regioselectively Substituted Ethyl Celluloses: Substituent Effect at O-3 and O-6 Positions] Takanori Ueno ¹ , Kazuki Sugimura ¹ , Hiroshi Kamitakahara ¹ (¹ Kyoto University)				

Nov. 26 Tuesday Day 1	14:50	1-9	<p>1A09 [Substituent Effects on Structure and Properties of Poly(lactic acid)] Hironori Marubayashi¹, Shuichi Nojima² (*Kyoto Institute of Technology, ²Tokyo Institute of Technology)</p>
	15:10	1-10	<p>1A10 [Poly(lactic acid) Gel Formed by Fibrous Structure of Complex Crystals and Improvement of Thermal Properties] Yasuhito Matsuda¹ (*Kogakuin University)</p>
	15:30		Break
	15:50	1-11	<p>1A11L [Confinement and Photocatalysis in Innovative Clay Nanofibers] Ewan Patenaer¹ (*Laboratoire de Physique des Solides / Paris-Saclay University)</p>
	16:10	1-12	<p>1B12 [Development of Scouring, Dyeing, and Functional Finishing Technology Using Supercritical Carbon Dioxide] Teruo Hori¹, Isao Tabata², Kazumasa Hirogaki¹ (*University of Fukui)</p>
	16:30	1-13	<p>1A13 [Environmental Degradation of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)] Adchana Padermsitshoke¹, Yingjun An¹, Hiroyasu Masunaga², Sono Sasaki¹, Atsushi Takahara¹ (*Kyushu University, ²Japan Synchrotron Radiation Research Institute, ³Kyoto Institute of Technology)</p>
16:50	1-14	<p>1A14 [Control of Crystallization Behavior and Microbial Degradability of P(3HB) by Mixing with Ferulic Acid-based Aromatic Polyesters] Daisuke Ishii¹, Mayu Tsunaga¹, Haruka Taniguchi¹, Tomoko Seyama¹, Haruhiko Masaki¹, Masatake Kanae¹ (*Tokyo University of Agriculture)</p>	

<p>1B09 [Enhanced Homocrystal Formation in Biased PLLA/PDLA Blends via Prolonged Isothermal Crystallization at 170°C] Sapanont, Jamornsuriya¹, Hideaki Takagi², Nobutaka Shimizu², Noriyuki Igarashi², Shinichi Sakurai² (*Department of Biobased Materials Science, Kyoto Institute of Technology, ²High Energy Accelerator Research Organization (KEK))</p>	<p>1C09 [Development of Recyclable Polyamides by Chemocatalytic Polymerization] Kousuke Tsuchiya¹ (*The University of Tokyo)</p>	<p>1D09 [Distributed Nanosensors for Spatial-Temporal Monitoring of Oxygen Levels in Biological Systems] Gabriel T. Huynh^{1,2}, Salma S. Tunny¹, Jessica E. Frith^{1,2,4}, Laurence Meagher^{1,2}, Simon R. Corrie^{1,2} (*Dep. of Chem. & Bio. Eng., Monash University, ²CSIRO Manufacturing, ³Dep. of Mat. Sci. & Eng., ⁴Australian Regenerative Medicine Institute, ⁵ARC Training Centre for Cell and Tissue Engineering Technologies, Monash University)</p>	<p>1E09 [Post-consumer Recycled Fibres for the Development of New Building Materials] Heura Ventura^{1,2}, Josep Claramunt¹, Helena Oliver-Ortega^{1,2}, Monica Ardanuy^{1,2} (*Dep. of Mat. Sci. & Eng., ²Institute of Textile Research and Industrial Cooperation of Terrassa-INTEXTER, ³Dep. of Agri-Food Engineering & Biotechnology, Universitat Politècnica de Catalunya)</p>	<p>1F09 [Enhancement of Mechanical Properties of Poly(vinyl Alcohol Agar Based Hydrogel) by Crosslinking of Tannic Acid and Inducing Multiple Freeze/thaw Cycle] Moustapha Mohamed Mahmoud¹, Makoto Takafuji² (*Kumamoto University)</p>	<p>1G09 [Detection Method for Chemical Fibers in Textile Waste] Soshi Shioikawa¹, Shouhei Koyama¹, Ryota Echigo² (*Shinshu University)</p>
<p>1B10 [Direct Electrospinning of Short Polymer Fibers: An Analysis of Direct and Homogenized Methods] Daniel P. Ura¹ (*Faculty of Metals Engineering and Industrial Computer Science, Agh University of Krakow)</p>	<p>1C10 [Water-soluble Celluluronates Showing a Trace of C2/C3 Side-reaction during TEMPO-catalytic Oxidation of Regenerated Cellulose Samples] Korawit Chitbaranyong¹, Gaoyuan Hou¹, Izumi Shibata², Miyuki Takeuchi², Akira Isogai² (*Department of Biomaterial Sciences, Graduate School of Agricultural and Life Sciences, The University of Tokyo, ²Institute of Engineering Innovation, The University of Tokyo)</p>	<p>1D10 [Hydrolysis and Drug Release Behaviors of Melt Electrowritten Poly(glycolide-co-caprolactone) Tissue Engineering Scaffolds] Liu Yang¹, Huazhong Xu¹, Shinichi Sakurai¹ (*Kyoto Institute of Technology)</p>	<p>1E10 [Development of Basalt Fiber Fabric for Preventing Concrete Flaking] Wataru Okumura¹, Takahiro Aoki², Shinji Ueda³, Mayu Ikeda³ (*Industrial Research Institute of Ishikawa, ²Aoki Textile Co., Ltd., ³Magara Construction Co., Ltd.)</p>	<p>1F10 [Estimation of Fiber-Fiber Interactions in Cellulose Fiber Sheets via Relationship Between Fiber Network Density and Cross-linking Point] Daisuke Tatsumi¹, Yudai Yamaguchi¹ (*Kyushu University)</p>	<p>1G10 [Effect of Resin Processing on Cotton Fabric on Pollen Scattering] Shigeyuki Nakano¹, Yukio Higashiyama¹, Atsushi Sakuma² (*Hyogo Prefectural Institute of Technology, Technical Support Center for Textiles Industries, ²Kyoto Institute of Technology)</p>
Break	Break	Break	Break	Break	Break
<p>1B11 [Influence of Processing History on the Hierarchical Structure of Fibers from Virgin and Recycle PP Melt Extruded at Varied Temperatures] Mohammad Abdul Bariq¹, Wataru Takarada¹, Takeshi Kikutan¹ (*Tokyo Institute of Technology)</p>	<p>1C11 [Biodegradable and Adhesive Properties of Biomass-based Polymers Containing 2-Pyrene-4,6-dicarboxylic Acid] Yijie Jin¹, Takuma Araki², Naofumi Kamimura², Eiji Masa¹, Masaya Nakamura², Tsuyoshi Michinobu¹ (*Tokyo Institute of Technology, ²Forestry and Forest Products Research Institute, ³Nagaoka University of Technology)</p>	<p>1D11L [Bioprinted Hydrogels for Metal-based Drug Delivery and Tissue Engineering] Tomoko Fujiwara¹ (*University of Memphis)</p>	<p>1E11L [Four Years of WE-TEAM: Lessons Learned and Future Challenges] Lieva Van Langenhove¹ (*Ghent University)</p>	<p>1F11 [Studies on Correlation of Orientation of Cylindrical Microdomains and Mesoscopic Surface Structure As-Induced by Thermal Annealing of a Spin-coated Homogeneous Ultrathin Film of Cylinder-forming Block Copolymer] Yuko Nishimatsu¹, Shinichi Sakurai¹ (*Kyoto Institute of Technology)</p>	<p>1G11 [Effect of Poly(lactic Acid) on Cutaneous Health] Chiyoji Mizutani¹, Asumi Tanaka¹, Masayuki Tsuji², Risa Shinobu², Kenichiro Takumi², Tomoyoshi Yamamoto³ (*Otsuna Women's University, ²PIECLIX Co., Ltd., ³Murata Manufacturing Co., Ltd.)</p>
<p>1B12 [Development of Scouring, Dyeing, and Functional Finishing Technology Using Supercritical Carbon Dioxide] Teruo Hori¹, Isao Tabata², Kazumasa Hirogaki¹ (*University of Fukui)</p>	<p>1C12 [All-Perfluorosulfonated-Ionomer Composite Membranes Containing Blow-spun Thin Fibers for Fuel Cell Applications] Hidetoshi Matsumoto¹, Yoshiaki Kawai¹, Shuta Onuki¹, Minoru Aishizawa¹, Yuta Nabae¹ (*Tokyo Institute of Technology)</p>	<p>1D12L [Organelle-targeted Delivery of Multiple Cargoes within Plants Using Carbon Nanotube-Polymer Composites] Simon Sui Yin Law¹, Keiji Numata^{1,2} (*Center for Sustainable Resource Science, RIKEN, ²Graduate School of Engineering, Kyoto University)</p>	<p>1E12L [Introducing Sustainability Education in Textile Engineering Curriculum of Bangladesh through an International Academia-Industry Collaboration] Lal Motian Barai¹, Mohammad Tajul Islam^{1,2} (*Ahsanullah University of Science and Technology, ²United Nations University-Flores)</p>	<p>1F12 [Structural Analyses of Adhesive Interfaces between Polyethylene and Nylon 6 using STXM] Yohei Nakanishi¹, Kazuki Mita², Mizuki Sando², Mikihito Takenaka¹ (*Kyoto University, ²CROSS)</p>	<p>1G12 [Effect of Clothing Waistline Position on Appearance Evaluation for Various Body Shapes] Shiori Mizukami¹, KyoungOk Kim², Masayuki Takatera³, Mikihito Takenaka¹ (*Graduate School of Science and Technology, Shinshu University, ²Institute for Fiber Engineering (IFES), Shinshu University)</p>
<p>1B13 [Preparation of Collagen Nanofiber/Bacterial Nanocellulose Composites via On-site Aqueous Counter Collision Process] Yutaro Tsujita¹, Karin Yamaguchi², Daisuke Tatsumi², Tetsuo Kondo² (*Institute of Agriculture, Tokyo University of Agriculture and Technology, ²Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University)</p>	<p>1C13 [Poly(fluorene)-based Highly Durable Anion Exchange Membranes for Water Electrolysis Application] Manabu Tanaka¹, Yui Nara¹, Shuhei Koyama¹, Hiroyoshi Kawakami¹ (*Tokyo Metropolitan University)</p>	<p>1D13 [Encapsulation of Single Extracellular Vesicles into a Degradable Nanoshell] Hirotaka Ejima¹, Chenyu Wang² (*The University of Tokyo)</p>	<p>1E13 [Introducing Sustainability Education in Textile Engineering Curriculum of Bangladesh through an International Academia-Industry Collaboration] Lal Motian Barai¹, Mohammad Tajul Islam^{1,2} (*Ahsanullah University of Science and Technology, ²United Nations University-Flores)</p>	<p>1F13 [Structural Change and Its Mechanism of OBDD Triggered by Temperature Jump] Kohei Nakamura¹, Koudai Suzuki¹, Shigeru Okamoto² (*Nagoya Institute of Technology)</p>	<p>1G13 [Development of Pantyhose Suitable for High Heels] Tamaki Mitsuno¹ (*Shinshu University)</p>
<p>1B14 [Development of Nano Fibroin Comprising Silk Fibroin and Silk Sericin with pH Sensing Property] Mabeya Flore Vanessa¹, Yoko Okahisa¹ (*Kyoto Institute of Technology)</p>	<p>1C14 [Porelled Ion-exchange Membranes for Electrodiagnosis and Reverse Electrodiagnosis] Mitsuru Higa^{1,2}, Yuji Takeoka¹, Yu Sugimoto^{1,2}, Yuriko Kakihana^{1,2} (*Yamaguchi University (YU), ²Blue Energy Center, YU)</p>	<p>1D14 [Encapsulation of Single Extracellular Vesicles into a Degradable Nanoshell] Hirotaka Ejima¹, Chenyu Wang² (*The University of Tokyo)</p>	<p>1E14 [Yarn Length Compensatory Mechanism of Carrier and Braiding Angle in Multi-braider] Toshiyasu Kinar¹, Yuya Kondo², Shinichi Rai¹, Michio Taniguchi¹, Lina Wakako¹ (*Kanazawa University, ²Taniguchiseitai Co. Ltd)</p>	<p>1F14 [Transparent Nanostructured Epoxy Thermoset Toughened by Oxone[®]-modified Styrenic Star Block Copolymer: Part I: Structural and Morphological Properties] Shankar P. Khatiwada^{1,2}, Shigeru Okamoto², Ralf Lach³, Gert Heinrich^{3,4}, Rameshwar Adhikari¹ (*Tribhuvan University, ²Leibniz-Institut für Polymerforschung Dresden e.V., ³Nagoya Institute of Technology, ⁴Polymar Service GmbH Marzberg, ⁵Institut für Textilmaschinen und textile Hochleistungswerkstofftechnik)</p>	<p>1G14 [Neurophysiological Responses on Tactile Evaluation of Textile] Takafumi Hata¹, Takayuki Kodama², Mari Inoue¹ (*Kobe University, ²Kyoto Tachibana University)</p>

Nov. 26 Tuesday Day 1	17:10	1-15	1A15 [Novel Superbases as Organocatalysts in Low Temperature Depolymerization of Polyethylene Terephthalate (PET)] Ali Harlin ¹ , Eric Karjalainen ¹ , Henri Olander ¹ (*VTT Technical Research Institute of Finland)	1B15 [Development of Silk Fiber-based Bio-nano Technical Cloth for Advanced Air Filtering] Md. Tanvir Hossain ¹ , Md. Abduş Shahid ² , Mohammad Abdul Jalil ³ , Mohammad Abdul Barque ⁴ , Mohammad Masudur Rahman ¹ , H.T.M. Quader Newaz ⁵ (*Bangladesh University of Business and Technology(BUBT), ² Dhaka University of Engineering and Technology(DUET), ³ Khulna University of Engineering and Technology(KUET), ⁴ Tokyo Tech, ⁵ International Standard University(ISU))	1C15 [Thermoelectric Property and Anomalous Large Seebeck Coefficient of Cryogels Incorporating Poly(3-hexylthiophene) Nanofiber] Takeshi Shimomura ¹ , Naoki Okada ² , Kohel Sato ¹ , Shinji Kanehashi ¹ (*Tokyo University of Agriculture and Technology)	1D15 [Construction of Functional Soft Materials Composed of Filamentous Virus Based on Genetic Engineering and Machine Learning] Toshiki Sawada ¹ , Takashi Kishida ¹ , Michihiro Tanaka ¹ , Takeshi Serizawa ¹ (*Tokyo Institute of Technology)	1E15 [Flow Analysis around Package for Synthetic Fiber Yarn and Its Cover] Kentaro Koshida ¹ , Kizoo Hashimoto ² , Katsuke Okada ² , Toshiyasu Kinar ¹ (*Kanazawa University, ² TMT Machinery Inc.)	1F15L [Polymerization/Depolymerization-Induced Self-Assembly/Dissassembly] Myunggun Seol ¹ (*Korea Advanced Institute of Science and Technology)	1G15 [Measurement of Clothing Pressure Using an Elastic Strain Sensor] Yosuke Horiba ¹ , Masataka Harada ¹ (*Shinshu University)
	17:30	1-16	Session End	1B16 [Additive Manufacturing of High-resolution Polypropylene Scaffolds via Melt Electrowriting] Tong Sun ¹ , Shinichi Sakurai ¹ , Huanzhong Xu ² (*Kyoto Institute of Technology)	1C16 [Adsorption Behaviors of Metal Ions on Nanofibrous Membranes Containing Protein Crystals] Shuto Matsuura ¹ , Hajime Mori ² , Akihiko Tanioka ² , Hideohito Matsumoto ² (*Tokyo Institute of Technology, ² Inspired Micro Crystals)	1D16 [Amphiphilic Peptide-based Nanocarriers for Material Delivery] Kousuke Tsuchiya ¹ , Keiji Numata ² (*The University of Tokyo, ² Kyoto University)	Session End	1F16L [Measuring System for Investigating Water Vaporisation from Fabric at Various Temperature] Kam-Hong Chau ¹ , Chi-Wai Kan ² (*The Hong Kong Polytechnic University)	1G16 [Automatic Vertical Wicking Tester Based on Optical Measurement] Kam-Hong Chau ¹ , Chi-Wai Kan ² , Ho-Shing Law ¹ (*The Hong Kong Polytechnic University)
	17:50	1-17	1B17 [Crystallization of Fluorinated Polymers] Kengo Nishiura ¹ , Go Matsuba ¹ (*Yamagata University)	1C17 [Nitrogen Doping of Oxidized Activated Carbon Fiber with Urea and Its Nitrate Ion Adsorption Performance] Natsuho Sato ¹ , Yoshimasa Amano ¹ , Motol Machida ¹ (*Chiba University)	1D17 [Dityrosine-containing Polypeptides: Chemoenzymatic Synthesis and Viscoelastic Property] Kayo Terada ¹ , Shogo Takemura ² , Yui Tsuji ¹ , Kousuke Tsuchiya ² , Keiji Numata ^{1,3} (*Kyoto University, ² University of Tokyo, ³ RIKEN)	Session End	Session End	Session End	
	18:10		Session End	Session End	Session End	Session End	Session End	Session End	

Date	Time	Section	1F, West		2F, East				3F, East				
			Room A (Terra Hall)	Terra Hall 2F Lobby	Room B (Seminar Room 1+2)	Room C (Seminar Room 3)	Room D (Medium Conference Room)	Room E (AV Study Room)	Room F (Large Conference Room A+B)	Room G (Large Conference Room C)	Room H (Conference Room D)		
Nov. 27 Wednesday Day 2	8:30		Registration at Hall Entrance		G1		G3		G7, 8, 9		G2	G4	
	9:00	2-1	2A01L [Direct Transformation of Chitin Whisker in Chiral Nematic Phase Solution to Anisotropic Microfiber] Suwabun Chirachanchai ¹ (*Chulalongkorn University)	Corporate Booth	2B01 [Effect of Crystalline Orientation on the Photo-oxidative Degradation of Isotactic Polypropylene] Yingjun An ¹ , Tomoko Kajiwara ¹ , Adchara Padermhoke ¹ , Thinh Van Nguyen ¹ , Hiroyasu Masunaga ¹ , Yutaka Kobayashi ¹ , Hiroshi Ito ¹ , Sono Sasaki ¹ , Atsushi Takahara ¹ (*Kyushu University, ² JASRI, ³ Yamagata University, ⁴ Kyoto Institute of Technology)	2D01L [Interaction Analysis between Cells/Tissues and Polymeric Biomaterials with Different Molecular Structures] Tomoko Hashimoto ¹ (*Shinshu University)	2E01L [Design and Preparation of Hollow Porous Fibers for Thermal Insulation and Warm Preservation Application] Pengfei Tan ¹ , Ziang Wang ¹ , Lin Tan ¹ (*Sichuan University)	2F01 [Preparation of Tough Gels Using Entanglements of Polymer Chains] Takashi Miyata ¹ , Midori Murakami ¹ , Chika Hajime ¹ , Chisa Norioka ¹ , Akifumi Kawamura ¹ (*Kansai University)	Corporate Booth	2H01L [Sensors and Actuators Based on Melt-spun Liquid-core Filaments] Rudolf Hulenus ¹ (*Empa)			
	9:20	2-2	2A03 [Local Structure of Val Residue in Semi-crystalline Region of Fibroin Analyzed by Solid-state NMR] Misaki Mizushima ¹ , Yu Suzuki ¹ (*University of Fukui)		2B02 [Aggregation States and Degradation Behavior of Poly(ethylene terephthalate) in Electrospun Fiber Mats under Hydrothermal Conditions] Keigo Kawahara ¹ , Hisao Matsuno ^{1,2} , Keiji Tanaka ^{1,2} (*Department of Applied Chemistry, Kyushu University, ² Center for Polymer Interface and Molecular Adhesion Science, Kyushu University)	2D03 [Nanofibrous Membranes That Dissolve Naturally for Continuous Delivery of Acyclovir and Ketorolac in Herpes Treatment] Shih-Jyun Shen ^{1,2} , Pin-Chao Feng ^{1,3} , Ren-Chin Wu ¹ , Yi-Hua Kuo ¹ , Shih-Jung Liu ^{1,3} , Hiroshi Ito ⁴ (*Dep. of Mec. Eng., Chang Gung University, ² Dep. of Anesthesiology, ³ Dep. of Thoracic & Cardiovascular Surgery, Chang Gung Memorial Hospital at Linkou, ⁴ Dep. of Anatomic Pathology, Linkou Chang Gung Memorial Hospital and Chang Gung University College of Medicine, ⁵ Dep. of Orthopedic Surgery, Bone & Joint Research Center, Chang Gung Memorial Hospital-Linkou, ⁶ Grad. Sch. of Org. Mat. Sci., Yamagata University)	2E03 [From Fused Deposition Modeling to Melt Electrowriting: A Path of Achieving High-resolution Tissue Engineering Scaffolds] Huanzhong Xu ¹ (*Kyoto Institute of Technology)	2F02 [Phase Separation and Molecular Compartment Characteristics of Aqueous Solutions of Zwitterionic Polymers] Yuji Higaki ¹ , Yasuhiro Eguchi ² , Yurii Mitsuobu ² , Haruna Shiro ² , Miyuka Tateyama ² (*Faculty of Science and Technology, Oita University, ² Graduate School of Engineering, Oita University)		2H03 [Bubble Nucleation-induced Delamination of Directly Joined Metal-Polymer Composites for Multi-material Recycling] Yuuto Mori ¹ , Sharma Rajesh Kumar ¹ , Kentaro Taki ¹ (*Kanazawa University)			
9:40	2-3	2A03 [Local Structure of Val Residue in Semi-crystalline Region of Fibroin Analyzed by Solid-state NMR] Misaki Mizushima ¹ , Yu Suzuki ¹ (*University of Fukui)	2B03 [Characterizations of the Molecular Motility Changes of BR and NBR with CO ₂ Sorption Phenomenon by NMR Methods] Hiroaki Yoshimizu ¹ (*Life Science and Applied Chemistry Program, Department of Engineering, Graduate School of Engineering, Nagoya Institute of Technology)		2D03 [Nanofibrous Membranes That Dissolve Naturally for Continuous Delivery of Acyclovir and Ketorolac in Herpes Treatment] Shih-Jyun Shen ^{1,2} , Pin-Chao Feng ^{1,3} , Ren-Chin Wu ¹ , Yi-Hua Kuo ¹ , Shih-Jung Liu ^{1,3} , Hiroshi Ito ⁴ (*Dep. of Mec. Eng., Chang Gung University, ² Dep. of Anesthesiology, ³ Dep. of Thoracic & Cardiovascular Surgery, Chang Gung Memorial Hospital at Linkou, ⁴ Dep. of Anatomic Pathology, Linkou Chang Gung Memorial Hospital and Chang Gung University College of Medicine, ⁵ Dep. of Orthopedic Surgery, Bone & Joint Research Center, Chang Gung Memorial Hospital-Linkou, ⁶ Grad. Sch. of Org. Mat. Sci., Yamagata University)	2E03 [From Fused Deposition Modeling to Melt Electrowriting: A Path of Achieving High-resolution Tissue Engineering Scaffolds] Huanzhong Xu ¹ (*Kyoto Institute of Technology)	2F03 [Structure and Solvent/Ion Dynamics in Cationic Polymer/Anionic Surfactant Mixtures: Deeper Insights into Cocervation Phenomena] Sachiko Masaoka ¹ , Atsunori Morigaki ¹ , Takasaki Sato ¹ (*LION Corporation, ² Shinshu University)	2H03 [Bubble Nucleation-induced Delamination of Directly Joined Metal-Polymer Composites for Multi-material Recycling] Yuuto Mori ¹ , Sharma Rajesh Kumar ¹ , Kentaro Taki ¹ (*Kanazawa University)					

Nov. 27 Wednesday Day 2	10:00	2-4	<p>2A04 [Structural Transition Mechanism from Alpha-helix to Beta-sheet in the Silk Proteins of Eri-silk (Samia cynthia ricini) Having Polyalanine Sequences] Tajyo Yoshida¹, Tsunenori Kameda¹ (¹National Agriculture and Food Research Organization (NARO))</p>	Corporate Booth	<p>2B04 [Analysis of Physical Properties and Fine Structure on Recycled/Virgin Blend PP Fiber] Miu Aida¹, Kousuke Sugawara¹, Toshifumi Ikaga¹, Ren Tomisawa¹, KyoungHou Kim^{1,2}, Yutaka Ohkoshi^{1,2} (¹Faculty of Textile Sci and Tech, Shinshu University, ²Institute for Fiber Engineering, Shinshu University)</p>	Corporate Booth	<p>2D04 [Synthesis of Near-Infrared Absorbing Triangular Au Nanoplates and Small Nanoparticles Using Bionanomineralization Peptides] Masayoshi Tanaka¹, Yuka Kiriki¹, Nozomi Kiyohara¹, Mina Otschi¹ (¹Institute of Science Tokyo)</p>	<p>2E04 [Sustainability-oriented Pressure Sensors Using Electrospun Poly(lactic acid) Submicrofiber Mats] Mitsuo Kaneko¹, Kenichi Takagaki¹, Yuya Ishii¹, Heisuke Sakai¹, Taiki Nobeshima¹, Sei Uemura³ (¹Kyoto Institute of Technology, ²Kokushikan University, ³National Institute of Advanced Industrial Science and Technology)</p>	<p>2F04 [Scattering and Rheological Study on Guanosine 5'-Monophosphate Gels in Aqueous Systems: Effects of NaCl Concentration] Seika Akiyama^{1,2}, Masaya Kaneko¹, Takaaki Sato² (¹Ajinomoto Co., Inc., ²Shinshu University)</p>	<p>2H04 [Non-solvent Induced Phase Separation Jet Spinning: A New Technique to Produce Nano-thin Polymer Film and Polymer Suspension Thereof] De Nguyen¹, Yuki Ohno², Kenji Kinashi³, Wataru Sakai¹, Naoto Tsutsumi² (¹Doctor's Program of Mat. Chem., Grad. Sch. of Sci. & Tech., ²Bachelor's Program of Mat. Chem., Grad. Sch. of Sci. & Tech., ³Fac. of Mat. Sci. & Eng., Kyoto Institute of Technology)</p>
	10:20	2-5	<p>2A05 [Native-like Spider Silk Assembly through Microfluidic Spinning] Jianming Chen^{1,2,3} (¹School of Fashion and Textiles, ²Research Institute for Intelligent Wearable Systems, ³Research Centre of Textiles for Future Fashion, The Hong Kong Polytechnic University)</p>		<p>2B05 [The Effect of Annealing and Molecular Weight on the Crack Propagation of PC] Takayuki Yoshida¹, Shotaro Nishitsuji¹, Hiroshi Ito¹ (¹Graduate School of Organic Materials Science, Yamagata University)</p>		<p>2D05 [Development of In Vitro Evaluation System for Liquid Embolic Material Design] Kousaku Ohkawa^{1,2}, Hemdeep Kaur¹, Tracy Nguyen¹, Chise Jin¹, Beatrice Mae Malvar¹, Rebecca Christine Beck¹, Parisa Khosrooou¹, Shuichi Suzuki^{1,2}, Frank P. K. Hsu^{1,2}, Ichiro Yuki^{1,3} (¹Shinshu University, ²University of California, Irvine, ³Aquatex Medical, Inc.)</p>	<p>Break</p>	<p>2F05 [Hydration and Structural Depolarization Effects in a Wide Range of Aqueous Systems: from Micellar and Polymer Solutions to Lamellar-gel Stabilized Oil-in-water Emulsions] Takaaki Sato¹ (¹Shinshu University)</p>	<p>2H05 [Mechanical and Thermal Reinforcement of Biodegradable Polymer by Compounding Cellulose Nanofiber] Hiroki Noguchi¹, Kazuko Ono², Akhiro Ito³, Takeshi Semba¹, Hiroyuki Yano⁴ (¹Kyoto Municipal Institute of Industrial Technology and Culture, ²Kyoto University)</p>
	10:40	2-6	<p>2A06 [Exploration of Pressure-responsive Plasticizers Leveraging Baroplasticity] Fanny Moses Gladys¹, Ikuo Taniguchi¹ (¹Kyoto Institute of Technology)</p>		<p>2B06 [Antibacterial and Antifungal 3D-printed Plastics and Cotton Fabric Functionalised by Aloe Vera Gel and Cationic Agents] Anson M.Y. Luk¹, Chi-wai Kan¹ (¹School of Fashion and Textiles, The Hong Kong Polytechnic University)</p>		<p>2D06 [Enhanced Biodegradation of Silk Fibroin Hydrogel for the Prevention of Postoperative Tendon Adhesion] Yusuke Kambe¹, Yusuke Kawano², Makoto Sasaki¹, Hirokata Fuchigami¹, Nobuyuki Fujita¹, Tsunenori Kameda¹ (¹National Agriculture and Food Research Organization, ²Fujita Health University, ³Charlie Lab Inc., ⁴Atsumaru Holdings Inc.)</p>	<p>2E06 [Fabric Supercapacitor for Solar Energy Storage] Jonathan Chen¹, Jason Lee¹ (¹The University of Texas at Austin)</p>	<p>2F06 [Strain-induced Crystallization and Melting of Natural Rubber; How "Inverse Yielding" is Explained?] Masatoshi Tosaka¹ (¹Kyoto University)</p>	<p>2H06 [Interfacial Properties and Fracture Behaviors of Recycled Carbon Fiber Composites] Junpei Yamazaki¹, Takuya Matsumoto¹, Takashi Nishino¹ (¹Kobe University)</p>
	11:00	2-7	<p>2A07 [Polybutylene Succinate-Polyamide 4 Multiblock Copolymer, a New Biopolymer. Effect of Each Block Length for Tuning of Properties] Shinji Tanaka¹, Hideoaki Ono¹, Masaru Yoshida¹ (¹National Institute of Advanced Industrial Science and Technology (AIST))</p>		<p>2B07 [Elastic Modulus of the Crystalline Regions of the Poly(alcohol) with Hydroxy Groups on Every Third Carbon Atom in Polymer Backbone] Naoto Takahashi¹, Takuya Matsumoto¹, Takashi Nishino¹ (¹Kobe University)</p>		<p>2D07 [Properties of Alcohol-treated Silk Fibroin Films for Wound Dressing Applications] Kaho Kobayashi¹, Yasushi Tamada¹, Tomoko Hasegawa¹ (¹Graduate School of Textile Science and Technology, Shinshu University)</p>	<p>2E07 [Optical Evaluation and Applications of Yarn Integrated with Polarizing Dyes] Ryu Oi¹, Ritho Kawashima¹, Izumi Sakai¹, Takamichi Amako¹, Seichi Kobayashi¹ (¹Tokyo Kasei University, ²Yamamoto Chemicals, Inc.)</p>	<p>2F07 [Changes in Chain Structures of Glassy Polymers under Uniaxial and Biaxial Deformation Modes] Ken Kojima¹, Aya Fuji¹, Ayumi Hamada¹, Kakeru Obayashi¹, Tsubasa Oji¹, Keiko Ideta¹ (¹Kyushu University)</p>	<p>2H07 [Open-source Technology for Melt Electrowriting Research] Simon Luposchinsky¹, Ievgenii Liaschenko², Alberto Ramon³, Paul Dalton³, Shinichi Sakurai¹, Hualizhong Xu¹ (¹Kyoto Institute of Technology, ²University of Oregon)</p>
	11:20	2-8	<p>2A08 [Cascale and ZDHC Driving Sustainability with Collective Action] Eiji Kimura¹ (¹BOKEN Quality Evaluation Institute)</p>		<p>2B08L [The Density Fluctuations of Amorphous Polymers under Deformation by Time-resolved Small Angle X-ray Scattering] Shotaro Nishitsuji¹, Yuki Watanabe¹, Daisuke Iwahara¹, Takayuki Yoshida¹, Koki Fujii¹, Hiroshi Ito¹, Mikihito Takenaka² (¹Graduate School of Organic Material Science, Yamagata University, ²Institute for Chemical Research, Kyoto University)</p>		<p>2D08 [Insights into the Self-assembly of Spider Silk as a Biomolecular Condensate] Ali Defrance Malay¹, Keiji Numata¹ (¹RIKEN Center for Sustainable Resource Science)</p>	<p>2E08 [Reversible Thermo-chromic Composite Nanofibers] Ali Akbar Merati¹, Mohammad Hossein Moghimiyan¹, Maryam Yousefzadeh¹, Najmeh Moazeni² (¹Academic Center for Education, Culture and Research (ACECR) and Advanced Textile Materials and Technology (ATMT) Research Institute, Textile Engineeri, ²Textile Engineering Department, Amirkabir University of Technology)</p>	<p>2F08L [Unlocking the Hidden Potential of Elastomers by Precision Control of Network Structure] Shintaro Nakagawa¹ (¹The University of Tokyo)</p>	<p>2H08 [Effects of Extrusion Conditions on the Ultra-SAXS Structure and Properties of Poly(ethylene terephthalate) Fiber] Yuki Tanimoto¹, Kousuke Sugawara¹, Toshifumi Ikaga¹, Ren Tomisawa¹, KyoungHou Kim^{1,2}, Yutaka Ohkoshi^{1,2}, Shigetoshi Maekawa¹, Hiroo Katsuta¹, Kazuyuki Okada¹, Toshiji Kanaya³ (¹Shinshu University, ²Institute for Fiber Engineering and Science, ³Toray, ⁴Toray Research Center, ⁵Kyoto University)</p>
	11:40	2-9	<p>2A09 [Environmental Initiatives and Tools in the Textile and Apparel Industry] Eiji Kimura¹ (¹BOKEN Quality Evaluation Institute)</p>				<p>2D09 [Protein Aggregation Inhibition Polymers] Kazuki Matsumura¹, Robin Rajan¹ (¹Japan Advanced Institute of Science and Technology)</p>	<p>Break</p>	<p>2H09 [Improvement of Strength of Syndiotactic Polystyrene Fibers by Modifying Spinning Conditions] Yu Yang¹, Wataru Takarada^{1,2}, Masatoshi Shioya¹ (¹Tokyo Institute of Technology, ²Shinshu University)</p>	
	12:00	2-10	<p>Break</p>		<p>Break</p>		<p>2D10 [High Density Cell Culture on Porous Edible Cryogel Aiming for Cultured Meat] Ping Xia¹, Satoshi Fujita^{1,2} (¹Department of Frontier Fiber Technology and Sciences, University of Fukui, ²Life Science Innovation Center, University of Fukui)</p>	<p>Break</p>	<p>Break</p>	
12:20							<p>Break</p> <p>G5</p>			

Nov. 27 Wednesday Day 2	13:20	2-11	<p>2A11IL [Design of Ionic Liquids for Dilute CO₂ Capture Applications] Yuki Kohno² (*National Institute of Advanced Industrial Science and Technology)</p>	Corporate Booth	<p>2B11 [Manufacturing and Mechanical Properties of Semi-open Stents with Bridged Structure] Huali Lu¹, Hualzhong Xu¹, Shinichi Sakurai¹ (*Kyoto Institute of Technology)</p>	Corporate Booth	<p>2D11IL [The Construction and Application of Structural Color Textile Metamaterials] Ke-Qin Zhang¹ (*Soochow University)</p>	<p>2E11IL [Bio-Inspired Robots Fabricated with Soft Materials and Printed Electronics] Takuya Umedachi¹ (*Shinshu University)</p>	<p>2F11 [Strain-induced Density Fluctuations in Soft-matters] Mikihito Takenaka¹ (*Kyoto University)</p>	Corporate Booth	<p>2H11IL [The Development of New Generation Carbon Fiber toward the Circular Future] Toshihira Iritsawa¹ (*Gifu University)</p>
	13:40	2-12	<p>2A13 [Bio-inspired Functional and Smart Wetting Fibers] Yuanfeng Wang¹ (*Shenzhen University)</p>		<p>2B12 [Development of 3D-printed Products with Antiviral and Antibacterial Functions] Anson M.Y. Luk¹, Chi-wai Kan¹ (*School of Fashion and Textiles, The Hong Kong Polytechnic University)</p>		<p>2D13 [Dyeing Behavior for Wool Fiber with Oxidation Products of <i>p</i>-Phenylenediamine and Resorcinol] Yumi Izuta¹, Kyohel Joko² (*Tohoku Seikatsu Bunka University, ²Sugiyama Jogakuen University)</p>	<p>2E13 [Energy Harvesting Clothes Based on Three-layered Knitted Triboelectric Energy Harvester] Yushi Umemura¹, Yutaka Ohno^{1,2}, Masahiro Matsunaga³ (*Dept. Electronics, Nagoya University, ²MaSS, Nagoya University)</p>	<p>2F12 [The Change in the Molecular Chain Structure during Uniaxial and Biaxial Deformation of Segmented Polyurethane Elastomer] Kakeru Obayashi¹, Ken Kojio² (*Kyushu University)</p>		<p>2H13 [Electrospun PU/PVDF Nanofibers with a Phase-separated Structure for Improved Electret Performance] Xihua Ren¹, Mio Yoshita¹, Satoshi Fujita^{1,2} (*Department of Frontier Fiber Technology and Sciences, University of Fukui, ²Life Science Innovation Center, University of Fukui)</p>
	14:00	2-13	<p>2A14 [Biodegradable Plastics for Commodity, Bio Medical and Textile Applications] Vimal Katiyar² (*Indian Institute of Technology Guwahati)</p>		<p>2B13 [Developing Polyamino Acid Derivatives for Oligonucleotide Therapeutic Delivery Systems] Mitsuru Naito¹, Kanjiro Miyata¹ (*The University of Tokyo)</p>		<p>2D14 [Using Biodegradable Non-ionic Surfactant as a Medium for Dyeing Cotton with Reactive Dyes] Chi-wai Kan¹ (*The Hong Kong Polytechnic University)</p>	<p>2E14 [Predictive Modeling of Hand Value in 3D Printed Woven Textiles: Insights from Plain Weave and Twill Weave Structures] Yu-Jou Chao¹, Yi-Ci Lin¹, Shan-Ying Shih¹, Jia-Ci Jhang¹ (*Department of Textiles and Clothing, Fu Jen Catholic University)</p>	<p>2F13 [Fatigue Behaviour of Cured Epoxy Resin and Applicability of Acceleration-life-testing Approach Based on Temperature Change] Rasha A. H. Bayomi¹, Kakeru Obayashi², Yuki Ando³, Atsushi Takahara³, Ken Kojio^{2,4} (*Institute for Mat. Chem. & Eng., ²Grad. Sch. of Eng., ³Research Center for Negative Emissions Technologies, ⁴Center for Polymer Interface and Molecular Adhesion Science, Kyushu University)</p>		<p>2H14 [Molecular Orientation Control of Biodegradable Polyamide 4 Sheet Prepared by Compression Molding] Makoto Ito¹, Yoshiyuki Suetsugu², Shotaero Nihtsuji², Takashi Masaka², Hiroshi Ito^{1,2} (*Grad. Sch. of Org. Mat. Sci., ²Research Center for Green Materials and Advanced Processing (GMAP), Yamagata University, ³KUREHA Corporation)</p>
	14:20	2-14	<p>2A15 [Melt-spinning of Biomass-derived Curdlan Propionate and Crystallization Observation] Taizo Kabe¹, Hongyi Gan¹, Hiroyasu Masunaga², Tadahisa Iwata² (*The University of Tokyo, ²JASRI)</p>		<p>2B14 [Discussion and Evaluation of Astragalus/Polyvinyl Alcohol Composite Yarn Used in Tissue Engineering] Kai-yun Tu¹, Shan-Ying Shih¹, Jia-Ci Jhang¹ (*Department of Textiles and Clothing, Fu Jen Catholic University)</p>		<p>2D15 [Study on the Halochromic Effect of Curcumin Dye Fabric] Mohammad Tajul Islam^{1,2}, Lal Mohan Baral¹, Md. Ashfiqur Rahman¹, Md. Meshabul Haque¹, Dipito Kumar Roy¹, Sadia Afrin Sharna¹ (*Ahsanullah University of Science and Technology, ²United Nations University-FLORES)</p>	<p>2E15 [Producing Carbon Fiber Reinforced Thermoplastics Drone Frame with Braided Structure] Shinichi Rai¹, Koshiro Higashi¹, Dalchi Tatsuno¹, Lina Wakako¹, Syuji Fujii¹, Toshiyasu Kinari¹ (*Kanazawa University)</p>	<p>2F15 [Controlling of Preferred Handed Helical Conformation of Organic-Inorganic Hybrid Polymers] Tomoyasu Hirai¹, Hinaru Sakai¹, Tomoki Mure¹, Shunsuke Morii¹, Syuji Fujii¹, Yoshinobu Nakamura¹ (*Osaka Institute of Technology)</p>		<p>2H15 [Development of Regenerated Cellulose Fibers Derived Cotton Using Dry-Wet Spinning with Ionic Liquids] Fusato Takase¹, Harutaka Katsuno¹, Mutsumi Kimura² (*Nissinbo Textile Inc., ²Shinshu University)</p>
	14:40	2-15	<p>2A16 [Enhancing Optical and Dielectric Properties of Isosorbide-based Polyimides by Introducing Low-Mw PEG] Yoshiyuki Tsurusaki¹, Ririka Sawada¹, Haonan Liu¹, Shinji Ando¹ (*Department of Chemical Science and Engineering, Tokyo Institute of Technology)</p>		<p>2B15IL [Resorbable Artificial Joints Combined with Electrospun Pharmaceutical- and Growth Factor-eluting Nanofibers for Small Joint Reconstruction] Shih-Jung Liu¹ (*Chang Gung University)</p>		<p>2D16 [Dyeing Technique for Medical Fabrics with Indocyanine Green Exhibiting Near-Infrared Fluorescent Emission] Hidekazu Yasunaga¹, Yoshihiko Tashiro², Shinji Ando¹ (*Kyoto Institute of Technology, ²Showa University, ³Tokyo Institute of Technology)</p>	<p>Session End</p>	<p>2F16 [The Flexibility and Unusual Low Thermal Expansion Exhibited by Block Copolymers of Polyimide and PDMS and the Observation of Their Microdomain Structural Changes Using Synchrotron Radiation X-rays] Atsuto Momozo¹, Naoki Matsuda¹, Tomoya Higashihara², Yoichiro Maruyama³, Shintaro Fujitani¹, Shinji Ando¹, Ryohel Ishige¹ (*Tokyo Institute of Technology, ²Yamagata University, ³JSR Corporation)</p>		<p>2H16 [Fabrication of Carbon Fiber Reinforced Thermoplastic Composites via In-situ Polymerization of Thermoplastic Epoxy Monomer Mixed with Cellulose Nanofibers] Hiroyuki Hasebe^{1,2}, Wataru Okumura¹, Daisuke Mori¹, Taketoshi Nakayama¹, Kunio Tsuboi⁴, Haruki Kobayashi², Katsufumi Tanaka¹, Takeshi Kikutan^{1,4}, Midori Takasaki¹ (*Industrial Research Institute of Ishikawa, ²Kyoto Institute of Technology, ³Komatsu Matere Co. Ltd, ⁴Chetsu Pulp & Paper Co. Ltd, ⁵Tokyo Institute of Technology, ⁶Center for Fiber and Textile Science, Kyoto Institute of Technology, ⁷Yokohama National University)</p>
	15:00	2-16	<p>Break</p>		<p>Break</p>		<p>Break</p>	<p>Break</p>	<p>Break</p>		<p>Break</p>
	15:20	2-17	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>	<p>Break</p>

Nov. 27 Wednesday Day 2	15:40	2-18	2A18 [Potential Biomedical Application of Nanoparticles Coated Lignocellulosic Fibers] Rameshwar Adhikari ^{1,2} , Umesh Thapa ^{1,2} , Surya Prasad Adhikari ³ ¹ Research Centre for Applied Science and Technology, ² Tribhuvan University, ³ Nepal Polymer Institute (NPI), ⁴ Department of Mechanical and Aerospace Engineering, Institute of Engineering, Tribhuvan University	Corporate Booth	2B18 [Hybrid Composite Materials from Natural Fibers and Biomass] Rajesh Kumar Mishra ¹ , Vijay Chandan ¹ , Viktor Kolar ² , Miroslav Muller ³ ¹ Department of Material Science and Manufacturing Technology, Faculty of Engineering, Czech University of Life Sciences	Corporate Booth	2D18L [Structural Coloration of Fiber Materials by Using Nature Technology] Kazumasa Hirogaki ¹ ¹ University of Fukui	Corporate Booth	2F18 [Flexoelectric Effect in Liquid Crystalline Elastomer with Wedge-shaped Mesogens Derived from Cholesterol] Kazuyuki Hiraoka ¹ ¹ Tokyo Polytechnic University	Corporate Booth	2H18 [Analysis of Neck-like Deformation Behavior of PP/PET Sheath-Core Type Bicomponent Fibers in High-Speed Melt Spinning Process Using High-precision On-line Diameter Measurement Apparatus] Wan Gyu Hahm ¹ , Dong Joo Min ^{1,2} , Jong hyuk Bae ¹ , Kuk Hyun Jo ¹ , Hyun Ju Oh ¹ , Tae Hee Han ² ¹ Korea Institute of Industrial Technology, ² Hanyang University
	16:00	2-19	2A19 [Fabrication of Vegan Leather Derived from Bacterial Cellulose by Utilizing Combination of Interpenetrating Polymer Network and Cellulosic Mercuration] Hung Ngoc Phan ^{1,2} , Satoko Okabayashi ^{1,3} ¹ Kyoto Institute of Technology, ² Ho Chi Minh City University of Technology, Vietnam National University Ho Chi Minh City, ³ Kyoto University		2B19 [AMF-controlled Deformation of Nonwoven Fabrics Combined with Iron Particles and Temperature-responsive Polymer] Zhitong Shen ¹ , Satoshi Fujita ^{1,2} ¹ Department of Frontier Fiber Technology and Sciences, University of Fukui, ² Life Science Innovation Center, University of Fukui		2F19 [Composite of Liquid-crystalline Precursor with Nanosheets toward Vertically Aligned Rigid Polyimide] Kazuki Oyama ¹ , Shohei Hara ² , Shinji Ando ¹ , Ryohel Ishigo ³ ¹ Tokyo Institute of Technology		Session End		
	16:20	2-20	2A20 [Rheological Properties of Hydrophobized Cellulose Nanofibril Monolayer Films at the Air-water Interface] Koichiro Ishida ¹ , Tetsuo Kondo ² , Yoshinobu Tsuji ¹ ¹ Institute for Chemical Research, Kyoto University, ² Institute of Agriculture, Tokyo University of Agriculture and Technology		2B20 [Design of Thermoplastic Composites Using Thin-layer Open-fiber Carbon Fiber (Woven Fabric)] Yoshihiro Yamashita ¹ , Ryuichi Yoshioka ¹ , Masakazu Kawabe ¹ , Shii Kaechi ¹ , Hideyuki Uematsu ¹ , Shuichi Tamou ¹ ¹ University of Fukui		2F20 [Birefringence Inversion of the Liquid Crystalline Poly(substituted methylene) Bearing Side-on Type Mesogens] Kiyoura, Masamichi ¹ , Hirozaki, Kudo ¹ , Naruki, Kurokawa ¹ , Masatoshi, Tokita ¹ ¹ Tokyo Institute of Technology				
	16:40	2-21	2A21 [Structural Control of Nanocellulose Microcapsules Based on Pickering Emulsion Characteristics] Shingo Yokota ¹ , Katsuki Yonemitsu ¹ ¹ Kyushu University		2B21 [A Unimorph Nanocomposite Dielectric Elastomer for High-performance Artificial Muscles] Junhong Pu ^{1,2} ¹ Research Institute for Intelligent Wearable Systems, ² School of Fashion and Textiles, The Hong Kong Polytechnic University		2D21 [Polyelectrolyte Multilayer Deposition on Polyethylene Terephthalate Activated by Photobase Generator] Kenji Hsada ¹ , Aoi Yoshimizu ¹ , Ginga Watanabe ¹ , Shota Yasuda ¹ , Toyooki Hirata ¹ ¹ University of Fukui		2F21 [Antithrombogenicity of Syndiotactic Poly(substituted methylene) Bearing 2-Methoxy Ethyl Side Chains] Naruki Kurokawa ¹ , Masamichi Kiyoura ¹ , Masatoshi Tokita ¹ ¹ Tokyo Institute of Technology		
	17:00	2-22	2A22 [Nanofiller Effect of Single-walled Carbon Nanotubes to Elongate, Toughen and Acceleratingly Produce Ionic Liquid Dry-jet Wet Spun Cellulose Fiber] Kazufumi Kobashi ¹ , Takahiro Morimoto ¹ , Minfang Zhang ² , Takashi Sugino ¹ , Toshiya Okazaki ¹ , Junya Tsujino ¹ , Hideki Kajita ² , Yasuyuki Isojima ² , Yasuo Gotoh ³ ¹ National Institute of Advanced Industrial Science and Technology, ² Omkenshi Co., Ltd., ³ Shinshu University		2B22 [Advanced Regenerated Cellulosic Fibres with Reactive Sites for Functionalization] Ali Harlin ¹ , Marianna Vehviläinen ¹ , Marjo Maattanen ¹ , Marja Rissanen ¹ ¹ VTT Technical Research Institute of Finland		2D22 [Activated Carbon Fiber Fabric Used for Air Cleaning and Energy Saving] Chiyoumi Mizutani ¹ , Mariya Bivolárova ² , Arsen Melkov ² ¹ Department of Textile and Clothing Science, Otsu Women's University, ² Department of Environment and Resource Engineering, Technical University of Denmark		2F22 [Conformation of Polymer Chains Densely Grafted onto Plate-shaped Particles] Yusuke Watnabe ¹ , Yusuke Kakizawa ¹ , Shinya Kato ¹ , Naruki Kurokawa ¹ , Masatoshi Tokita ¹ ¹ Tokyo Institute of Technology		
	17:20	2-23	2A23 [Compatibility, Microstructure and Thermodynamic properties of Glialdin Microfibers electrospun with Cinnamaldehyde and Cellulose] Sanjit Kumar Singh ¹ , Faraz Muneer ¹ , Vitaly Kocherbitov ² , Ramune Kuktaite ³ ¹ Swedish University of Agricultural Sciences, ² Malmö University		2B23 [Nanofibrous Membranes for Coalescence Separation of Micro-sized Oil Droplets] Yumpeng Yue ¹ , Yasuhiro Mukai ² ¹ Nagoya University		2D23 [3D-Moldable Composite Ink of Boron Nitride and Aramid Nanofibers for Improved Thermal Management] Minji Kim ¹ , Hyo Jeong Kim ¹ , Youngho Eom ¹ ¹ Department of Organic and Nano Engineering, Hanyang University		2F23 [Simultaneous Control of Alignment and Weak Anchoring of Liquid Crystals on the Langmuir-Blodgett Film of Bottlebrush Polymer] Yuji Kinose ¹ , Yoshihiro Takamura ¹ , Osamu Sato ¹ , Yoshinobu Tsuji ¹ ¹ Institute for Chemical Research, Kyoto University, ² School of Management, Tokyo University of Science		
	17:40	2-24	Session End		2B24 [Preparation of Highly Porous Membranes Based on Blow-spun Poly(ether sulfone) Nanofibers] Susumu Takano ¹ , Kenta Eguchi ¹ , Hidetoshi Matsumoto ¹ ¹ Tokyo Institute of Technology		2D24 [Upcycling of Banana Peel Wastes to Ultra-strong and Functional Vegan Leather] Hyo Jeong Kim ¹ , Minji Kim ¹ , and Youngho Eom ¹ ¹ Department of Organic and Nano Engineering, Hanyang University		Session End		
	18:00		Session End		Session End		Session End		Session End		Session End

			1F, West	2F, West	2F, East				3F, East									
Date	Time	Section	Room A (Terra Hall)	Terra Hall 2F Lobby	Room B (Seminar Room 1+2)	Room C (Seminar Room 3)	Room D (Medium Conference Room)	Room E (AV Study Room)	Room F (Large Conference Room A+B)	Room G (Large Conference Room C)	Room H (Conference Room D)							
Nov. 28 Thursday Day 3	8:30		Registration at Hall Entrance S3		To poster presenters: please display your poster during the "Poster Preparation Time".													
	9:00	3-1	3A011L [Circular Alchemy: Socio-Material Exploration in Transformative Practices] Shiho Fukuhara ¹ (*Poiesis Labs)	Corporate Booth	Corporate Booth	Corporate Booth	Corporate Booth	Corporate Booth	Corporate Booth	Corporate Booth	Corporate Booth							
	9:30	3-2	3A021L [To Be Announced] Nadnudda Rodthongkum ¹ (*Chulalongkorn University)															
	10:00	3-3	3A031L [Leveraging Fiber Waste as a Cellulosic Catalyst Support for Chemical Transformation into Valuable Products] Yogi Wibisono Budhi ¹ (*Institut Teknologi Bandung)															
	10:30	3-4	3A041L [Future Directions of Fibre Materials] Seeram Ramakrishna ¹ (*National University of Singapore)															
	11:00	3-5	3A051L [Can Fashion Rentals Encourage Sustainable Production and Consumption? A Critical Eye on Recent Trends and their Environmental Implication] Eri Amasawa ¹ (*Waseda University)															
	11:30	3-6	3A061L [Future Aspects of Sustainable Fashion] Arisa Kamada ¹ (*Unisteps)															
	12:00		Break									Poster Preparation Time	Poster Preparation Time	Poster Preparation Time	Poster Preparation Time	Poster Preparation Time	Poster Preparation Time	Poster Preparation Time
	13:10	3-7	3A07PL [To Be Announced] Han Yong Jeon ¹ (*Inha University)									Display	Display	Display	Display	Display		
	13:55	3-8	3A081L [Relocation of the Agency for Cultural Affairs to Kyoto: Toward the Promotion of Life Culture] Daisuke Kodama ¹ (*Agency for Cultural Affairs)															
	14:35	3-9	3A091L [To Be Announced] (*Ministry of Economy, Trade and Industry)															
	15:15		Break															
	15:25	3-10	3A10 Special Event "Japanese Classical Dance" Yukiko Wakayagi ¹ (*Wakayagiryu Nihonbuyo)															
	16:00		Break															
	16:10	3-11		Poster Session 1 ODD	Poster Session 1 ODD	Poster Session 1 ODD	Poster Session 1 ODD	Poster Session 1 ODD										
	17:10	3-12		Poster Session 2 EVEN	Poster Session 2 EVEN	Poster Session 2 EVEN	Poster Session 2 EVEN	Poster Session 2 EVEN										
	18:10			Session End	Session End	Session End	Session End	Session End										
	18:25	3-13	Closing Ceremony															
	18:40	3-14	Banquet															
	20:40		Session End															