

ITMC 2024 Program

20241119 Version

| EVENTS | | Gymnasium | Auditorium | Meeting room 103 on the first floor of Building K |
|---------------------------------------|--|--|---|---|
| Wednesday, November 20th, 2024 | | | | |
| 15h00-17h30 | | | Registration | |
| 17h30 | Reception at Mulberry Hall (Cafeteria) | | | |
| Thursday, November 21st, 2024 | | | | |
| 8h30-9h00 | | | Registration | |
| 9h00-9h20 | | | Opening remarks | |
| 9h20-9h50 | | | KN-1 New Quality Productivity and High-Quality Development of China's Textile Industry Keynote : Guangwei Fu, China Textile Engineering Society (China) Chair: Ick Soo Kim, Shinshu University | |
| 9h50-10h20 | | | KN-2 Sustainability - Fusion of SGDs and Human rights - Keynote : Kenichi Tomiyoshi , Executive Vice President & Secretary General, Japan Textile Federation (Japan) Chair: Yasushi Murakami, Shinshu University | |
| 10h20-10h30 | Group Photograph & Health Break | | | |
| 10h30-10h55 | | | I-01 Engineering Design and Applications of Advanced Multifunctional Textile Structural Composites Invited lecture : Bijay Behera, Indian Institute of Technology Delhi (India) Chair: Hideaki Morikawa, Shinshu University | |
| 10h55-11h20 | | | I-02 E-Textiles for Monitoring: Elongation Sensors, Electrodes, and Garment Tracking Invited lecture : Cedric Cochrane, Univ. Lille, ENSAIT, GEMTEX (France) Chair: Shunichi Kobayashi, Shinshu University | |
| 11h20-11h45 | | | I-03 Radiative Heat Regulation and Integration of Thermal Energy Harvesting Textiles from an Interdisciplinary Perspective Invited lecturer : Keqin Zhang, Soochow University (China) Chair: Chunhong Zhu, Shinshu University | |
| 11h45-12h10 | | | I-04 Quality Control Test Methods of the Durability and Safety of Joule Heating Textiles Invited lecture : Patricia Dolez, University of Alberta (Canada) Chair: Hideaki Morikawa, Shinshu University | |
| 12h10-13h10 | Lunch | | | |
| 13h10-13h40 | | | KN-3 Contributions of Statistical Methods in Textile Research (1924-2024) with a Vision with Data Science and AI - In Memoriam of Sir David R. Cox (1924 – 2022) Keynote : Moon W. Suh, Wilson College of Textiles, North Carolina State University (USA) Chair: Ji Ha Lee, Shinshu University | |
| 13h40-14h05 | | | I-05 Biomolecule-Based Fibers for Tissue Engineering Applications Invited lecture : Hyung Joon Cha, POSTECH (Korea) Chair: Ji Ha Lee, Shinshu University | |
| 14h05-14h30 | | | I-06 Fabrication and Mechanism Study of Porous Radiation Cooling Nanofibers Invited lecture : Kai Wei, Soochow University (China) Chair: Jian Shi, Shinshu University | |
| 14h30-14h55 | | | I-07 The Open Lab Invited lecture : Edwin Keh, HKRITA (Hong Kong) Chair: Kanji Kajiwara, Shinshu University | |
| 14h55-15h20 | | | I-08 EPSON's Challenge in Developing Recycled Yarn Invited lecture : Satoru Hosono, Seiko Epson Corporation (Japan) Chair: Kanji Kajiwara, Shinshu University | |
| 15h20-15h30 | Health Break | | | |
| 15h30-16h00 | | | KN-4 Textile ETP and the Strategic Research and Innovation Agenda for "Textiles of the Future" European Partnership Keynote : Lutz Walter, Textile ETP (Belgium) Chair: Yasuyuki Cho, Shinshu University | |
| 16h00-16h25 | | | I-09 Innovative Applications of Phosphate Glass Fibers in Agro-Textiles and Composite Reinforcement Invited lecture : Jones Alami, Mohammed VI Polytechnic University (Morocco) Chair: Shunichi Kobayashi, Shinshu University | |
| 16h25-16h40 | Health Break | | | |
| 16h40-18h40 | | Poster session · Prototype Exhibition · Corporate Exhibition | | |
| Friday, November 22nd, 2024 | | | | |
| 9h00-9h25 | | Corporate Exhibition | I-10 Textile Mechanics: The Long Journey and the Future Perspectives Invited lecture : Savvas G. Vassiliadis, University of West Attica (Greece) Chair: Kim KyoungOk, Shinshu University | |
| 9h25-9h50 | | | I-11 Progress and Perspective of Functional Nanofibrous Materials Invited lecture : Ding Bin, Donghua University (China) Chair: Yasuhiro Mukai, Shinshu University | |
| 9h50-10h15 | | | I-12 Our business initiatives Yagi Co., Ltd. Invited lecture : Yasuyuki Yagi, Yagi & Co., Ltd. (Japan) Chair: Chunhong Zhu, Shinshu University | |
| 10h15-10h40 | | | I-13 The Potential of Non-Thermal Processes for the Textile Dyeing and Finishing Industry Invited lecture : Valerio Izquierdo, CTT Group (Canada) Chair: Shunichi Kobayashi, Shinshu University | |
| 10h40-10h50 | Health Break | | | |

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| 10h50-11h15 | | Corporate Exhibition | I-14 Cellulose-Based Metal Hybrid Composites and Their Biological Antibacterial Applications Invited lecture : Ren Xuehong, Wuhan Textile University (China) Chair: Chunhong Zhu, Shinshu University | |
| 11h15-11h40 | I-15 Bio-Manufacturing Innovation through Eggshell Membrane Upcycling Invited lecture : Mujo Kim, Pharma Foods International Co., Ltd. Chair: Chunhong Zhu, Shinshu University | | | |
| 11h40-12h05 | I-16 Evaluation and Simulation of Radioactive Cesium Adsorption Performance of Nonwoven Fabric Containing Porous Adsorbent Invited lecture : Han Yong Jeon, Inha University, Incheon (Korea) Chair: Ji Ha Lee , Shinshu University | | | |
| 12h05-12h30 | I-17 Valorisation of Academic Research Outcomes: TEX IS MORE at Ghent University Invited lecture : Lieva Van Langenhove, Ghent University (Belgium) Chair: Hiroyuki Kanai, Shinshu University | | | |
| 12h30-13h30 | Lunch | | | |
| 13h30-13h45 | Corporate Exhibition | O-1 3D Weaving, Textile Structural Composites, Automotive Vikas Khatkar , B K Behera, Indian Institute of Technology (India) Chair: Hideaki Morikawa, Shinshu University | O-12 Modelling of Hybrid Composites based on Fibers for Light Weight Structures Michal Petru , TM Akshat, Technical University of Liberec (Czech republic) Chair: Sana Ullah, Ulm University | |
| 13h45-14h00 | | O-2 Development of Textile-based Strain Sensors for Compression Measurements Shahood uz Zaman , Parian Mohammadi, Aqsa Imran, Cedric Cochrane, Vladan Koncar, National Textile University (Pakistan) Chair: Hideaki Morikawa, Shinshu University | O-13 Hybrid composite materials with waste fibers and biomass for advanced mechanical, thermal and acoustic applications Rajesh Mishra , Vijay Chandan, Petr Jirku, Viktor Kolar, Miroslav Muller, Czech University of Life Sciences Prague (Czech republic) Chair: Sana Ullah, Ulm University | |
| 14h00-14h15 | | O-3 Turning Peach Fruit to Textiles Georgios Prinotakis , S. Plakantonaki, N. Zacharopoulos, K. Kiskira, and E. Sfyroera, University of West Attica (Greece) Chair: Hiroyuki Kanai, Shinshu University | O-14 Engineering UV-Activated Photo-Responsive Hydrogels for Targeted Pesticide Release Ji Ha Lee , Wataru Kanda, Tomoyuki Tachibana, Akihiro Yabuki, Shinshu University (Japan) Chair: Sana Ullah, Ulm University | |
| 14h15-14h30 | | O-4 Artificial Intelligence In Textile Supply Chains: Toward IoT Deeper Use In Retail Stores El Hassan Laaziz , Etajrini Hichm, Zazi Malika, ERERA-ENSAM/ESITH (Morocco) Chair: Hiroyuki Kanai, Shinshu University | O-15 The Role of Mass Customization in the Textile Industry, where Decarbonization and the Transition to a Circular Economy are Essential Yasuyuki Cho , Shinshu University (Japan) Chair: Sana Ullah, Ulm University | |
| 14h30-14h45 | Health Break | | | |
| 14h45-15h00 | Corporate Exhibition | O-5 The Trade-Off Between CBRN Protection and Thermal Comfort: Insights into Material Innovation and Standard Gaps Ahmad Ibrahim , Hamid Lamoudan, Nathalie Gaudette, Joseph-Émile Laquerre, Justine Decaens and Olivier Vermeersch, CTT group (Canada) Chair: Azeem Ullah, Shinshu University | O-16 Comparative Analysis of Alginate/Clove Essential Oil Nanoemulsion Process for Enhanced Antibacterial and Antifungal Activation of Textile Surfaces Malek Toumi, Debbabi Faten , Mohamed Ali Lassoued, Ibrahim Jlassi, Laadhari Neji, Maha Mastouri, University of Monastir, National Engineering School of Monastir, Tunisia. (Tunisia) Chair: Mayakrishnan Gopiraman Shinshu University | |
| 15h00-15h15 | | O-6 Heating Nonwoven Fabrics for the Development of Smart Composite Building Materials Heura Ventura , Zeyue Xie, Josep Claramunt, Monica Ardanuy, Universitat Politècnica de Catalunya (Spain) Chair: Azeem Ullah, Shinshu University | O-17 Innovate, Create, Dominate: The Roadmap From Textile Lab To Marketplace Zeeshan Khatri , Mehran University of Engineering and Technology (Pakistan) Chair: Mayakrishnan Gopiraman Shinshu University | |
| 15h15-15h30 | | O-7 Highly Functional Fibers and Textiles with Innovative Conjugate Spinning Technology NANODESIGN TM Tatsuya Ishikawa , Tomohiko Matsuura, Masato Masuda, Toray Industries Inc. (Japan) Chair: Yasuhiro Mukai, Shinshu University | O-18 Electrospun Nanofibers as Materials for Light Driven Catalysis: Sustainable Approach for Sustainable Energy Sana Ullah , Montaha Anjass, Ulm University (Germany) Chair: Mayakrishnan Gopiraman Shinshu University | |
| 15h30-15h45 | | O-8 Simultaneous Dyeing and Functional Finishing of Textiles using Novel Functional dye Javed Sheikh , Mariyam Khanam, Indian Institute of Technology Delhi India (India) Chair: Yasuhiro Mukai, Shinshu University | O-19 High Performance Fiber - Kynol® - Kazuhiro Yamada , Gun Ei Chemical Industry Co., Ltd. (Japan) Chair: Mayakrishnan Gopiraman Shinshu University | |
| 15h45-16h00 | Health Break | | | |
| 16h00-16h15 | Corporate Exhibition | O-9 Advanced Photosensitive Textile Materials Based On Dithienylethene: A New Pathway To Future Smart Textile Devices Fabien Salaün , Mahad Barre Aden, François Rault, Stéphane Aloise, Univ. Lille, ENSAIT, ULR 2461 - GEMTEX - Génie et Matériaux Textiles (France) Chair: Yasuhiro Mukai, Shinshu University | O-20 Phosphate Glass Fiber Reinforced Polyester Composites: Development and Characterization Nezha Saloumi, I. Daki, M. El Bouchti , M. Yousfi , M. Oumam , H. Hannache, O. Cherkaoui , ESITH (Morocco) Chair: Ji Ha Lee, Shinshu University | |
| 16h15-16h30 | | O-10 Withdrawn | O-21 Flexible Piezoelectric Nanocomposites for Smart Textiles: Enhanced Integration by Heat Bonding Khadija Oumghar , Nabil Chakhchaoui, Adil Eddiai, Omar Cherkaoui, Hassan II University (Morocco) Chair: Ji Ha Lee, Shinshu University | |
| 16h30-16h45 | | O-11 Withdrawn | O-22 Valorization of Technical Textile Fibers Wastes in Various high added Value Applications Mohamed Tahiri , El Bouari Abdeslam, Cherkaoui Omar, Nadi Ayoub, Saadouni Meriem, Bouhaj Younes, Hassan II University of Casablanca (Morocco) Chair: Ji Ha Lee, Shinshu University | |
| 18h30-20h30 | Dinner at UEDA Tokyu REI Hotel | | | |
| Saturday, November 23rd, 2024 | | | | |
| 9h30 | Excursions Meet at Onsen-Guchi of Ueda Station | | | |