

The 4th IFES East Asia Special Symposium on “Advanced Functional Materials” by Internationally Recognized Scholars Program

■ Day 1 Jan. 21, 2025 (Tue.) Registration

17:00~21:00 Welcome Party (Chikuma Kaikan)

■ Day 2 Jan. 22, 2025 (Wed.) Symposium @ Auditorium

Speech: 20~22 min; Q&A: 3~5 min; Change of Speaker: 5 min

9:00~9:15 Opening Ceremony

Welcome speech

Distinguished Professor Ick Soo Kim, Vice President, Director of the Institute for Fiber Engineering, Shinshu University

Professor Yasushi Murakami, Dean of Faculty of Textile Science and Technology, Shinshu University

9:15~9:20 Group Photo

9:20~9:45 Invited Speech

Title: The Construction and application of structural color textile metamaterials

Speaker: Professor Keqin Zhang, Dean of College of Textile and Clothing Engineering, Soochow University

9:50~10:15 Invited Speech

Title: Innovative adhesive protein biomaterial for localized drug delivery therapeutics

Speaker: Professor Hyung Joon Cha, Dean of Engineering, Pohang University of Science and Technology (POSTECH)

10:15~10:30 *Break*

10:30~10:55 Invited Speech

Title: Silk fibroin as polymeric biomaterials

Speaker: Professor Tomoko Hashimoto, Shinshu University

11:00~11:25 Invited Speech

Title: Antimicrobial bio-based cellulosic materials and their applications

Speaker: Professor Xuehong Ren, Wuhan Textile University

11:30~11:55 Invited Speech

Title: Understanding fashion technology: the rise of AI in fashion design

Speaker: Professor Eung Tae Kim, Chungnam National University

11:55~13:00 *Lunch*

13:00~13:25 Invited Speech

Title: Preparation of conductive polymer fibers via microchannel wet-spinning

Speaker: Professor Tsutomu Ono, Okayama University

13:30~13:55 Invited Speech

Title: Nanofiber based materials for personal thermal management (PTM)

Speaker: Professor Kai Wei, Soochow University

14:00~14:25 Invited Speech

Title: Sustainable Gel Materials: Design, Self-Assembly, and Applications

Speaker: Professor Ji Ha Lee, Shinshu University

14:25~14:40 *Break*

14:40~15:05 Invited Speech

Title: Smart hydrogels for bone regeneration

Speaker: Professor Qin Zhang, Shanghai University

15:10~15:35 Invited Speech

Title: Exploration of silk protein fiber improvement and application innovation

Speaker: Professor Tianfu Zhao, Southeast University

15:40~16:05 Invited Speech

Title: The Development of Sustainable Carbon Fiber in Japan

Speaker: Professor Toshihira Irisawa, Gifu University

- 16:10~16:35 Invited Speech
Title: Current status of the development and evaluation of arc flash protection fabric
Speaker: Professor Qilong Sun, Nantong University
- 18:00~21:00 **Banquet** (Izakaya NOAH 居酒屋 のあ : 上田市天神 1-2-1)

■ **Day 3 Jan. 23, 2025 (Thu.) Symposium @ Auditorium**

- 9:30~9:55 Invited Speech
Title: Aerosol-synthesized surfactant-free single-walled carbon nanotube-based NO₂ sensors: Unprecedentedly high sensitivity, fast recovery, and in-fluid (transformer oil) applicability
Speaker: Professor Il Jeon, Sungkyunkwan University
- 10:00~10:25 Invited Speech
Title: Metaverse Social Interaction and the Future Fashion System
Speaker: Professor Yan Hong, Soochow University
- 10:25~10:40 **Break**
- 10:40~11:05 Invited Speech
Title: Engineering polymer assemblies for therapeutic nanoreactors
Speaker: Professor Tomoki Nishimura, Shinshu University
- 11:10~11:35 Invited Speech
Title: Ceramizable polyelectrolyte complexes flame retardant coating on PET fabric
Speaker: Professor Fang Ding, Wuhan Textile University
- 11:40~12:00 Closing Ceremony
- 12:00~13:00 **Lunch**
- 13:30~16:00 Campus Tour

■ **Day 4 Jan. 24, 2025 (Fri.) Individual Meeting & Discussion**

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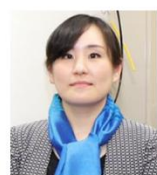
Hyung Joon CHA

SeAH Chair Professor
Dean of Engineering
Head, Dept. of Chemical Engineering
Director, Biomaterials Research Center
Pohang University of Science and Technology (POSTECH), Korea
Specialties: Marine Biomaterials, Tissue Engineering, Drug Delivery



Fang DING

Professor
School of Textile Science and Engineering
Wuhan Textile University, China
Specialties: Preparation of N-halamines/metal oxides hybrid nanoparticles and application in antibacterial textiles



Tomoko HASHIMOTO

Professor
Department of Applied Biology
Faculty of Textile Science and Technology
Shinshu University, Japan
Specialties: Biomaterials



Yan HONG

Professor
College of Textile and Clothing Engineering
Soochow University, China
Specialties: Digital and sustainable design of clothing



Toshihira IRISAWA

Professor
Faculty of Engineering
Gifu University, Japan
Specialties: Carbon fiber, CFRP (Carbon Fiber Reinforced Plastic)



II JEON

Professor
SKKU Advanced Institute of NanoTechnology (SAINT)
Sungkyunkwan University, Korea
Specialties: Nano carbon, Electronics, Organic & bio materials, AI & simulations



Eung Tae KIM

Professor
Dept. of Clothing & Textiles, College of Human Ecology
Chungnam National University, Korea
Specialties: Digitalized clothing production, Wearable computing, Fashion data analytics



Ji Ha LEE

Professor
Institute for Fiber Engineering and Science
Shinshu University, Japan
Specialties: Hydrogel, Supramolecular Chemistry, Nanofiber, DDS



Tomoki NISHIMURA

Professor
Department of Chemistry and Materials
Faculty of Textile Science and Technology
Shinshu University, Japan
Specialties: Self-Assembly, Liposome, Glycopeptide



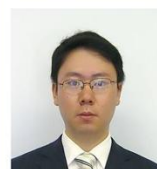
Tsutomu ONO

Professor
Applied Chemistry and Biotechnology Program,
School of Engineering
Okayama University, Japan
Specialties: Microfluidics, Microcapsule, Nanofiber, Soft matter, Diffusion separation engineering



Xuehong REN

Professor
School of Textile Science and Engineering
Wuhan Textile University, China
Specialties: Preparation of N-halamines/metal oxides hybrid nanoparticles and application in antibacterial textiles



Qilong SUN

Professor
School of Textile and Clothing
Nantong University, China
Specialties: Protective textile, Electromagnetic wave absorbing textiles



Kai WEI

Professor
College of Textile and Clothing Engineering
Soochow University, China
Specialties: Electrospun nanofibers, Bio tissue, Carbon nanofiber



Ke-Qin ZHANG

Professor
National Engineering Laboratory for Modern Silk
Dean of College of Textile and Clothing Engineering
Soochow University, China
Specialties: Structurally colored fibers: from photonic to quasi-ordered structures



Qin ZHANG

Professor
Institute of Translational Medicine
Shanghai University, China
Specialties: Collagen scaffolds, Hydrogels, Tissue engineering



Tianfu ZHAO

Professor
Vice Dean of Department of Fiber and Biomass Sciences
Southwest University, China
Specialties: Silkworms, Seed breeding technology, Biomass fiber materials, Spider silk