

**FINAL
PROGRAM**

WSEPCM-2025

2nd World Summit and Expo on

POLYMERS AND COMPOSITE MATERIALS

October 28–30, 2025 | Shinagawa Prince Hotel, Tokyo, Japan

Email: wsepcm@scientificsummits.org

Website Link: <https://polymerssummit.org/>

DAY-1 | TUESDAY, OCTOBER 28, 2025

10:30-10:50	REGISTRATIONS	
10:50-11:00	OPENING CERMONY	
SESSION CHAIR: PROF. ERI YOSHIDA		
11:00-11:40	<p>Title: CO₂-Captured Polymeric Amines as Functional Materials</p> <p>Eri Yoshida, Toyohashi University of Technology, Japan</p>	P
11:40-12:10	<p>Title: Dual Stimuli-Sensitive Polymers Which Generate Bubbles - Toward Reducing Environmental Impact</p> <p>Haruyuki Okamura, Osaka Metropolitan University, Japan</p>	I
12:10-12:40	<p>Title: Photochemical Advanced Oxidation: An Eco-Friendly, Non-Halogen Bleaching Method for Cotton Fabrics</p> <p>Noritaka Kimura, Nagaoka University of Technology, Japan</p>	I
12:40-14:00	LUNCH BREAK & GROUP PHOTO	
DIGITAL WORKSHOP		
14:00-16:00	<p>Title: Keynote Talk and Digital Workshop on Cradle to Cradle Design Innovations</p> <p>Mr. Albin Kaelin, CEO, epeaswitzerland gmbh, Switzerland</p>	K
16:00-16:10	COFFEE BREAK	
SESSION CHAIR: PROF. TAKESHI SAKO		
16:10-16:50	<p>Title: Oxidatively Degradable Polymer: Stable During Use And Highly Degradable After Use</p> <p>Nobuhiro Kihara, Kanagawa University, Japan</p>	P
16:50-17:30	<p>Title: Chemical Recycling of Waste Refractory Plastics Using Supercritical and Subcritical Fluids</p> <p>Prof. Takeshi Sako, Shizuoka University, Japan</p>	P
17:30-18:00	<p>Title: Development of Functional Polyurethane Elastomers</p> <p>Prof. Hiroto Murakami, Nagasaki University, Japan</p>	K
18:30-20:30	BANQUET VISIT HOSTED BY PROF. ERI YOSHIDA- LOCAL CHAIRPERSON	
END OF DAY 1		

DAY-2 | WEDNESDAY, OCTOBER 29, 2025

SESSION CHAIR: PROF. SHINICHI YUSA

10:30-11:00	Title: One-pot/One-step Synthesis of Multiblock Copolyester Using Organocatalysts	K
	Toshifumi Satoh , Hokkaido University, Japan	
11:00-11:30	Title: Development of a Novel Elastomer Using Multi-Network Technology	K
	Dr. Keisuke Chino , ENEOS Materials Corporation, Japan	
11:30-12:00	Title: Multiple Stimuli-Responsive Liquid Plasticine	I
	Prof. Shinichi Yusa , Hyogo University, Japan	
12:00-12:30	Title: Surface Chemistry-Driven Innovations in Nanobioceramic Design	I
	Motohiro Tagaya , Nagaoka University of Technology, Japan	

SESSION CHAIR: PROF. SATOSHI OKAMOTO

12:30-13:00	Title: Electroreduction of CO ₂ at Pt-Based Catalysts in a Polymer Electrolyte Cell	I
	Assist. Prof. Dr. Shofu Matsuda , Hirosaki University, Japan	
13:00 -14:00	LUNCH BREAK & GROUP PHOTO	
14:00-14:40	Title: Ecologically Friendly Organic Polymer Whiskers as Outstanding Filler in Polymer Composite	P
	Satoshi Okamoto , Institute of Science Tokyo, Japan	
14:40-15:10	Title: How Biology Can Inspire Us to Make Superior Materials	K
	Chris Schroeder , Pegasus Materials, Netherlands	
15:10-15:40	Title: Preparation and Application of Polymer Nanocomposite	I
	Sabina Yeasmin , University Of Calcutta, India	

SESSION CHAIR: PROF. KENSUKE NAKA

15:40-16:20	Title: Development of Element-Block Materials Based on Cage Silsesquioxanes	P
	Prof. Kensuke Naka , Kyoto Institute of Technology, Japan	
16:20-16:30	COFFEE BREAK	
16:30-17:00	Title: Preparation of Alloy Nanoparticles and their Functionalization with Antibodies	K
	Prof. Yasuro Niidome , Kagoshima University, Japan	

17:00-17:30	Title: Large-scale Manufacture of Composite and Functionalized Tocosomal Drug Delivery Systems Using Modified Mozafari Method	K
	M. R. Mozafari , Monash University, Australia	
17:30-18:00	Title: The Durability of Polymer-Based Resins on a Pedestrian Bridge Walkway	K
	Christian Paglia , Applied Sciences of Southern Switzerland, Switzerland	
END OF THE DAY 2		

THURSDAY OCTOBER 30, 2025 | DAY-3

SESSION CHAIR: PROF. GUEY-SHENG LIOU

10:30-11:00	Title: Recent Advances on Redox-active Triarylamine-Based Materials for Energy-Related Applications	K
	Guey-Sheng Liou , National Taiwan University, Taiwan	
11:00-11:30	Title: Crystallinity Modulation for Shrinkage and Warpage Control in 3D Printing Process Using Differential Scanning Calorimetry	K
	Zulkifli Mohamad Ariff , Universiti Sains Malaysia, Malaysia	
11:30-12:00	Title: Influence of Hygrothermal Ageing on the Properties of Vinyl Ester/Carbon Composites	I
	Mr. Abdullah Iftikhar , University of Southern Queensland, Australia	
12:00-12:30	Title: Composite Developments for Next Generation Airliners	K
	Ronald Klomp - de Boer , Composite Developments for Next Generation Airliners	
12:30-13:00	Title: Impact Behaviour of Pultruded GFRP Composite Sections	I
	Mr. Kiritharan Mahalingasivam , University of Southern Queensland, Australia	

POSTERS

P1	Title: Rubbery Soft Polymer Electrolyte Membrane with Nanomatrix Channel Prepared from Natural Rubber
	Yoshimasa Yamamoto , National Institute of Technology, Tokyo College, Japan
P2	Title: Surface State Control of Apatite Nanoparticles for Biocompatible Coatings
	Kazuto Sugimoto , Nagaoka University of Technology, Japan
P3	Title: Preparation of Gold-Copper Alloy Nanoparticles in Aqueous Solutions
	Ms. Kanako Koga , Kagoshima University, Japan

Special Thanks

We extend our heartfelt appreciation to **Dr. Eri Yoshida**, Toyohashi University of Technology, Japan, for her invaluable efforts and exceptional contribution as the **Local Chair** of the 2nd World Summit and Expo on Polymers and Composite Materials (WSEPCM-2025), held from **October 28–30, 2025**, in **Tokyo, Japan**. Her dedication and support were instrumental in the success of the event.

Eri Yoshida	Toyohashi University of Technology, Japan
Marcelo De Sousa Pais Antunes	Polytechnic University of Catalonia, Spain
Ephraim Suhir	Portland State University, USA
Liliana Tarțau	Grigore T Popa University of Medicine and Pharmacy of Iasi, Romania
Leonard Atanase	Apollonia University of Iasi, Romania
Hanshen Li	Electric Power Planning and Engineering Institute, China
Iva Rezić	University of Zagreb Prilaz baruna Filipovića, Croatia
Chinappan Amutha	National University of Design and Engineering, Singapore
Raul Duarte Salgueiral Gomes Campilho	Department of Mechanical Engineering, ISEP, Portugal
Biao Hu	Shenzhen University, China
Ghenadii Korotcenkov	Moldova State University, Moldova
Miguel Nuno Miranda	National Laboratory of Energy and Geology (LNEG) - Portugal
Alberto García-Peñas	Universidad Carlos III de Madrid, Spain



Conference Chair

Dr. Thomas J. Webster

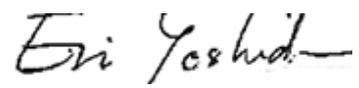
Hebei University of
Technology,



Conference Co-Chair

**Prof. Marcelo De Sousa
Pais Antunes**

Hebei University of
Technology, China



Conference Local Chair

Prof. Eri Yoshida

Toyohashi University of
Technology, Japan



**NEXT
SERIES**

WSEPCM-2026

3rd World Summit and Expo on

POLYMERS AND COMPOSITE MATERIALS

June 24–26, 2026 | Warsaw, Poland

Email: wsepcm-2026@scientificsummits.org

Website Link: <https://polymers2026.scientificsummits.org/>