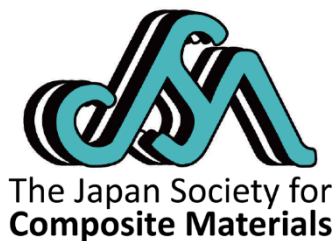


21st US-Japan and 18th Euro-Japan Joint Conference on Composite Materials

**16-17 July 2026
Fukuoka, Japan**



21st US-Japan and 18th Euro-Japan Joint Conference on Composite Materials

Venue JR Hakata City Conference Rooms
1-1, Hakataekichuogai, Hakata-ku, Fukuoka 812-0012, Japan
(directly connected to Hakata Station)

Webpage [https://www.jscm.gr.jp/conference/US-JPN_EU-JPN\(2026\)](https://www.jscm.gr.jp/conference/US-JPN_EU-JPN(2026))

Organizing Committee

Conference chair

Prof. Shigeki Yashiro (Kyushu University)

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Prof. Mototsugu Tanaka (Kanazawa Institute of Technology)

Prof. Masaaki Nishikawa (Kyoto University)

Prof. Kosuke Takahashi (Hokkaido University)

Prof. Sota Onodera (Kyushu University)

Prof. Sota Oshima (Tokyo University of Agriculture and Technology)

Prof. Keiji Ogi (Ehime University)

Abstracts collections

The abstracts collections can be downloaded from the following URL (Kyushu University's file sharing system):

https://archive.iii.kyushu-u.ac.jp/public/O955QTXJRVbwTgq4KIZDN8mS7u3M_-iY-fuHW0g7jdk8

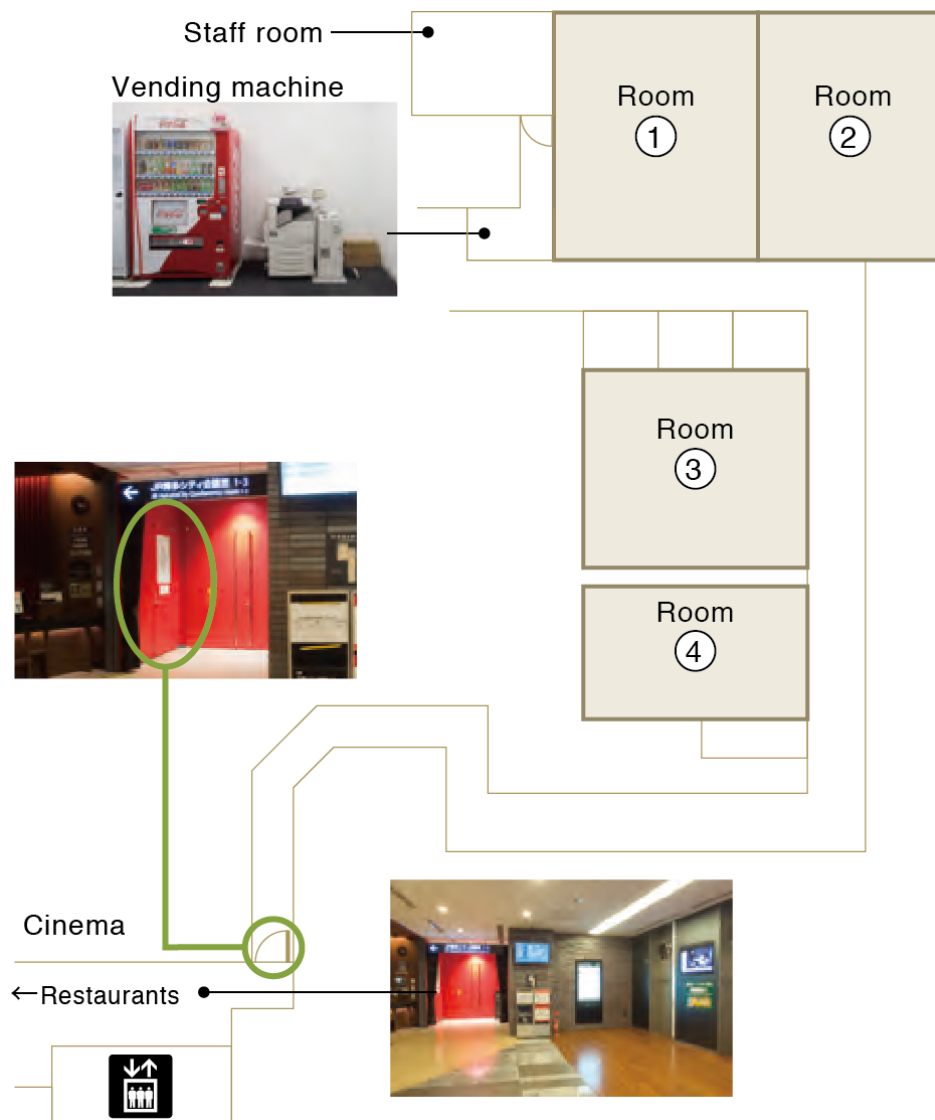
(Available until 17 July)

The password can be found in the paper program booklet.

The link to the abstracts collections is also available on the conference program webpage.



9th floor of JR Hakata City



Wi-Fi

Two public Wi-Fi networks “JHC Convention Wifi” and “JR HAKATA CITY”, Eduroam, and the Wi-Fi provided by the organizing committee will be available.

Timetable

Day 1 (16 July 2026)				
Time	Room 1	Room 2	Room 3	Room 4
9:00 – 9:40				Reception
9:40 – 10:40	Adhesive bonding for aerospace composite structures A101-A103	General session G201-G203	Recycling of CFRP and circular economy R301-R302	Reception <i>Exhibition By NEDO</i>
Coffee break (10:40–11:00) at Room 4				
11:00 – 12:00	Adhesive bonding for aerospace composite structures A104-A105	General session G204-G206	Recycling of CFRP and circular economy R303-R305	
Lunch break (12:00–13:30)				
13:30 – 14:15	Keynote talk at <u>Room 1</u> (K101) Inclusion Mechanics: From Classical Methods to Modern Applications Seiichi Nomura (The University of Texas at Arlington)			
14:15 – 14:30	ONR Global at <u>Room 1</u> (K102) Opportunities for Collaboration with Office of Naval Research Global Richard Yamada (ONR Global)			
Short break (14:30–14:50)				
14:50 – 16:10	General session G101-G104	General session G207-G210	Recycling of CFRP and circular economy R306-R309	Reception <i>Exhibition By NEDO</i>
Coffee break (16:10–16:30) at Room 4				
16:30 – 17:15	Keynote talk at <u>Room 3</u> (K301) Microstructural Features in Composite Materials Clemens Dransfeld (Delft University of Technology)			
17:15 – 17:30	Horizon Europe at <u>Room 3</u> (K302) Japan’s Association to Horizon Europe: New Opportunities to Enhance Collaboration in Research and Innovation between the EU and Japan Tom Kuczynski (European Commission)			
Transfer to Sumiyoshi Shrine (15-minute walk)				
19:00 – 21:00	Banquet Nohgaku stage in Sumiyoshi Shrine Participants who wish to take part in the backstage tour of the Nohgaku stage should meet at the banquet place at 18:30.			

Day 2 (17 July 2026)				
Time	Room 1 <i>Exibition by NEDO</i>	Room 2	Room 3	Room 4
9:20 – 10:20	Recycling of CFRP and circular economy R101-R103		General session G301-G303	General session G401-G403
Coffee break at Room 1 (10:20-10:40)				
10:40 – 11:40	General session G106, G107, G110		General session G304, G306, G310	General session G404-G406
Lunch break (11:40-13:20)				
13:20 – 14:20	Poster session P101-P114		Poster session P301-P313	
Coffee break at Room 1 (14:20-14:40)				
14:40 – 15:40	General session G108, G109, G111		General session G307-G309	General session G407-G409

Day 1 (16 July, 2026)

Time	Room1	Room2	Room3	Room4
9:00 - 9:40	Reception (Room4)			
	Adhesive bonding for aerospace composite structures Chair: Tomohiro Yokozeki (The University of Tokyo)	General Chair: Kosuke Takahashi (Hokkaido University)	Recycling of CFRP and circular economy Chair: Shigeki Yashiro (Kyushu University)	Reception Exhibition (NEDO)
9:40-10:00	(A101) Measurement and Modeling of the Traction-Separation Behaviors for Adhesively Bonded Composite Joints Ryo Higuchi (The University of Tokyo)	(G201) Failure prediction analysis-based mechanostuctural design of ply overlap joint for conformal load-bearing antenna structure Jae-An Jeon (Inha University)	(R301) NEDO national project – Composite Material Resource Recycling System for Next-Generation Aircraft Akinori Yoshimura (Nagoya University)	
10:00-10:20	(A102) A 4D Interfacial Failure Manifold for Fiber-Matrix Compatibility: Analytical Characterization and Experimental Validation using Dual-Pin Pull-Out Tests Rafael Gomez Consarnau (Pennsylvania State University)	(G202) Tensile Property Evaluation of CFRP Laminated by Simulating Filament Winding Process Keita Goto (Nagoya University)		
10:20-10:40	(A103) Interlocking Fiber based Disbond Arrester for Weakly Bonded Composite Joints Shu Minakuchi (The University of Tokyo)	(G203) Optimal Design for Double-Double Laminates for concurrent improvements in axial compression and vibration responses Avinkrishnan Ambika Vijayachandran (University of Washington)	(R302) Applicability study to aircraft structure of the composite materials using spun yarn of recycled carbon fiber Naoto Nakamura (SUBARU Corporation)	
10:40-11:00	Coffee break (Room4)			
	Adhesive bonding for aerospace composite structures Chair: Tomohiro Yokozeki (The University of Tokyo)	General Chair: Kosuke Takahashi (Hokkaido University)	Recycling of CFRP and circular economy Chair: Nobuo Takeda (The University of Tokyo)	
11:00-11:20	(A104) Development of Frontal Polymer Matrix Composites for Bonded Patch Repair Hyonny Kim (University of California San Diego)	(G204) Investigation of detectable delamination opening width in ultrasound-excited active thermography nondestructive testing Masashi Ishikawa (Tokushima University)	(R303) Multiphysics Modeling for Sustainable Design and Process Development of CFRP Masaaki Nishikawa (Kyoto University)	
11:20-11:40	(A105) Resistance Welding and Disassembly of Metal/Thermoplastic Composite Laminate Hybrid Joint Yoshinobu Shimamura (Shizuoka University)	(G205) Multiphysics PINN Framework for Damage Identification in CFRP Laminates Using Vibration and Electrical Observations Keiji Ogi (Ehime University)	(R304) Interfacial Fracture Properties of CFRP Using Recycled Carbon fiber Masaki Kimoto (Tatsuta Spinning Co. LTD)	
11:40-12:00		(G206) High-Speed Imaging of Pin-Inserted Filled-Hole Compressive Fracture Behavior with an Open-Type Damage Observation Fixture Eiichi Hara (Japan Aerospace Exploration Agency)	(R305) Investigation of spun yarn CFRP compressive properties and method for enhancing compressive strength Tasuku Ito (Toyota industries corporation)	
12:00-13:30	Lunch break			
13:30-14:15	Keynote@Room 1 (K101) Inclusion Mechanics: From Classical Methods to Modern Applications Seichi Nomura (The University of Texas at Arlington) Chair: Kohji Suzuki (Chiba Institute of Technology)			
14:15-14:30	ONR Global@Room 1 (K102) Opportunities for Collaboration with Office of Naval Research Global Richard Yamada (ONR Global) Chair: Kohji Suzuki (Chiba Institute of Technology)			
14:30-14:50	Short break			
	General Chair: Rho Higuchi (The University of Tokyo)	General Chair: Keiji Ogi (Ehime University)	Recycling of CFRP and circular economy Chair: KT Tan (The University of Akron)	
14:50-15:10	(G101) Observation of the acoustic black hole effect in a 3D-printed CFRP plate using a scanning laser Doppler vibrometer Koichi Mizukami (Tokyo Metropolitan University)	(G207) Robotic Computed Tomography for Large Composite Structures and Generation of Training Sets for Artificial Intelligence Applications Yuri Nikishkov (University of Texas at Arlington)	(R306) Design, characterization and validation of an automotive bonnet made from recycled carbon-fibre composites Marino Quaresimin (University of Padova)	
15:10-15:30	(G103) 3D Printing of Multifunctional Wood-based Composite Materials Maksud Rahman (University of Houston)	(G208) X-Ray CT Image Based Industrially Relevant Computational Techniques for 3D Woven Composites Prasad Potluri (University of Manchester)	(R307) SMV and SLICE: Wet-Laid Carbon Fibre Materials with Tailored Orientation and Enhanced Formability Sebastian Strauß (Fraunhofer Institute)	Reception

15:30-15:50	(G104) Interlaminar Fracture Toughness of FDM 3D-Printed CF/PA6: Moisture Effects and Laminate Configuration Kohji Suzuki (Chiba Institute of Technology)	(G209) Prediction of mechanical properties of discontinuous fibre composites based on experimentally-measured fibre orientation field by X-ray Talbot-Lau interferometry Yuki Fujita (Nagoya University)	(R308) Recovery of carbon fiber reinforced composites by mechanical peeling and ultrasonic-assisted processes for circularity engineering Frank Balle (University of Freiburg)	Exhibition (NEDO)
15:50-16:10		(G210) Initial Stage of Fatigue Crack Growth in CFRP Cross-Ply Laminate Characterized by Synchrotron Radiation X-ray CT Kosuke Takahashi (Hokkaido University)	(R309) The Effect of Defects on the Viscoelastic Properties of Tow-Based Discontinuous Composites Made from Expired Carbon/Epoxy Prepreg Paulina Díaz-Montiel (University of San Diego)	
16:10-16:30	Coffee break (Room4)			
16:30-17:15	Keynote@Room 3 (K301) Microstructural Features in Composite Materials Clemens Dransfeld (Delft University of Technology) Chair: Keiji Ogi (Ehime University)			
17:15-17:30	Horizon Europe@Room 3 (K302) Japan's Association to Horizon Europe: New Opportunities to Enhance Collaboration in Research and Innovation between the EU and Japan Tom Kuczynski (Delegation of the European Union to Japan) Chair: Keiji Ogi (Ehime University)			
19:00-21:00	Banquet Nohgaku stage in Sumiyoshi Shrine <i>Participants who wish to take part in the backstage tour of the Nohgaku stage should meet at the banquet place at 18:30.</i>			

Day 2 (17 July, 2026)

Time	Room1	Room2	Room3	Room4
	Exibition (NEDO) Recycling of CFRP and circular economy Chair: Akinori Yoshimura (Nagoya University)		General Chair: Shu Minakuchi (The University of Tokyo)	General Chair: Natsuki Tsushima (Kyushu University)
9:20-9:40	(R101) Mechanical Recycling and Additive Re-Manufacturing of Carbon Fiber Reinforced Polymeric Composites KT Tan (The University of Akron)		(G301) Gas Permeability of Thermo-Mechanically Cycled 3D Stitched Composites with Hybrid Barrier Layers Rani W. Sullivan (Mississippi State University)	(G401) Continuum damage mechanics model for transverse crack accumulation in CFRP laminates under cyclic loading Sota Onodera (Kyushu University)
9:40-10:00	(R103) Fiber Composites for Circular use by Tailored Interlayers and Power Ultrasonics Bodo Fiedler (Hamburg University of Technology)		(G302) Experimental investigation of Pseudo -Ductile Behavior in Thin-Ply Angle-Ply Laminates under Tension and Compression loading Kohei Yamada (Industrial Technology Center of Fukui Prefecture)	(G402) Microstructure-Property Characterization and Modeling of Carbon Capturing Mineral-Filled Thermoplastic Elastomer Composites Dae Han Sung (Utah State University)
10:00-10:20			(G303) Biological and Bio-inspired Composites: Mitigation of Catastrophic Damage David Kisailus (University of California Irvine)	(G403) Crack propagation in the single-edge notched tension specimen made with unidirectional CFRP for fracture toughness evaluation Kazuhiro Miura (Kyushu University)
10:20-10:40			Coffee break (Room1)	
	General Chair: Koichi Mizukami (Tokyo Metropolitan University)		General Chair: Yoshinobu Shimamura (Shizuoka University)	General Chair: Sota Onodera (Kyushu University)
10:40-11:00	(G106) Advancing Sustainability through Data-Driven, Manufacturing-Relevant Composite Curing Peih-Shyun Wu (Alpha Technologies)		(G304) Multifunctional performance of all-carbon fibre structural batteries Leif E. Asp (Chalmers University of Technology)	(G404) Phase-field modeling of fracture behavior pre- and post-healing in cementitious composites considering self-healing functionality Hsiao Wei Lee (National Cheng Kung University)
11:00-11:20	(G107) Scalable Multi-Stimuli-Assisted Frontal Curing for Automated Fiber Placement of Composites Easir Arafat Papon (The University of Alabama)		(G306) Regarding the application of GFRP to heat-resistant materials for entry into Saturn's moon Titan Takayuki Shimoda (Sojo University)	(G405) Reactive Molecular Dynamics Simulation Study on Hyperthermal Erosion of Thermal Protection Nanocomposites in sub-LEO Environment Seunghwa Yang (Chung-Ang University)
11:20-11:40	(G110) Automated and Objective IFSS Evaluation of Carbon-Fiber-Reinforced 3D-Printed Products by Short-Beam Shear Testing Quan Jiang (Tokyo University of Science)		(G310) Interaction of Geometric and Micro-Material Nonlinearities in Flexible Composite Wings using Strain Invariant Failure Theory Natsuki Tsushima (Kyushu University)	(G406) Stochastic Molecular Dynamics Modeling of Hygrothermal Degradation in Epoxy Networks Satoru Yamamoto (Kyushu University)
11:40-13:20	Lunch break			
13:20-14:20	Poster session (Japanese student) P101~P114: Room1 P301~P313: Room3 Moderators: Shigeki Yashiro (Kyushu University) and Sota Onodera (Kyushu University)			
14:20-14:40	Coffee break (Room1)			
	General Chair: Keita Goto (Nagoya University)		General Chair: Masaaki Nishikawa (Kyoto University)	General Chair: Shigeki Yashiro (Kyushu University)
14:40-15:00	(G108) A Multivariate Machine Learning Framework for Interpreting Compression-After-Impact Strength in CFRP Laminates Jason P. Mack (The University of Akron)		(G307) Some Thoughts on Composite Aircraft Safety -Lessons Learned from Accidents/Incidents- Nobuo Takeda (The University of Tokyo)	(G407) Method for Incorporating CNF into CFRP Fabricated via an Electrodeposition Coating Process and Its Effects Kazuaki Katagiri (Hiroshima University)
15:00-15:20	(G109) A Mixed High-Order Layerwise Formulation via State-Space Approach for Laminated Composite Beams Chia-Wen Hsu (National Cheng Kung University)		(G308) Influence of Mold Closing Speed on the In-mold Flow Behavior of Discontinuous Carbon Fiber Sheets During Stamping Kiyoshi Uzawa (Kanazawa Institute of Technology)	(G408) Characterizing Surface and Mechanical Properties of Recycled Carbon Fiber Jia-Lin Tsai (National Yang Ming Chiao Tung University)
15:20-15:40	(G111) Numerical Investigation on Strength Optimization of Composite Single-Lap Joints by Adherend Notch Angle and Adhesive Selection Yu-Jui Liang (National Cheng Kung University)		(G309) Localized Interfacial Crystallization Enhances IFSS in Injection-Molded Short-Carbon-Fiber/PA6 Composites Yuki Suga (TORAY Industries, Inc.)	(G409) Characterization of PAN-CF by Soft X-Ray Absorption Spectroscopy Yasuji Muramatsu (University of Hyogo)

Poster session (Japanese student) 17 July, 2026		
	Room1	Room3
13:00~14:00	(P101) Dispersion-Compounding of PEDOT:PSS in Polystyrene and Its Conductivity Hakoto Suzuki (Yamagata University)	(P301) Characterization of fatigue crack growth behavior in CFRP laminates with bridging fibers Ryotaro Sugano (Nagoya University)
	(P102) Chain-Extension-Induced Recovery of Tensile Properties in Degraded Glass Fiber Reinforced Polybutylene Terephthalate Koya Otsuka (Tohoku University)	(P302) Microscale modeling of nonlinear stress-strain behavior in unidirectional carbon fiber/polyimide composites at elevated temperatures Tatsuya Kobayashi (Tokyo University of Agriculture and Technology)
	(P103) Life Prediction Based on Damage Development Process of CFRFs Considering the Scatter in Fatigue Life Ryuto Sano (Waseda University)	(P303) Stochastic meso-scale simulation of matrix crack propagation in cross-ply CFRP laminates at cryogenic temperatures Yusei Noguchi (Tokyo University of Agriculture and Technology)
	(P104) Development of Chemically Bonded SWCNT-Coated Glass Fibers and Their Composite Properties Mitsui Saigusa (Yamagata University)	(P304) Void Locations Prediction in CFRT 3D Printing Using Surface Geometry Sensing and Deep Learning Kotaro Oshima (Tokyo University of Science)
	(P105) High-strength enhancement of composites using carbon fibers coated with reactive polymers and MWCNT additives Yusa Nakano (Yamagata University)	(P305) Characterization of mechanical property of thin-foamcore sandwich panels by quasi-static indentation test Ryotaro Kodama (Nagoya University)
	(P106) Optimization of Fiber Orientation and Single-Stroke Path Generation for Continuous Carbon Fiber 3D Printing Sora Nakagami (Tokyo University of Science)	(P306) Evaluation of strength and twist effect in CFRT 3D printing using semi-automatic bending tests and machine learning Shu Yoshitake (Tokyo University of Science)
	(P107) Effect of mean stress on fatigue properties of CFRP focused on viscoelasticity of matrix resin Yamato Mori (Nagoya University)	(P307) Manufacturability-Based Topology Optimization of Carbon Fiber Composites Xin Wang (Hokkaido University)
	(P108) Band Gap Control in Periodic Laminated Composite Beams Using Curvilinear Fiber Paths Hiraku Takisawa (Hokkaido University)	(P308) Extraction of Microcracks by Deep Learning-Assisted X-ray CT Imaging Ryoma Nishiguchi (Hokkaido University)
	(P109) On Permeation of Viscous Fluids into a Single-Layer Woven Fiber Mat in VARTM Process -- Effect of Wettability on Void Formation and Migration -- Hidenori Nakano (Tokyo University of Science)	(P309) Evaluation of Tensile-Torsional Failure in Unidirectional CFRP Strands via Combined Stress Testing and Micromechanical Modeling Ayano Sawatari (Nagoya University)
	(P110) Numerical Analysis on Viscous Fluid Permeation in a Single-Layer Woven Fibrous Preform of Various Inter-Bundle Geometries Akari Matsunaga (Tokyo University of Science)	(P310) Tensile Failure Mechanism of Spun Yarn CFRP based on Experimental and Analytical Investigation Kanata Taguchi (Nagoya University)
	(P111) Mesoscopic improvement of axisymmetric model for optimizing CFRP tank design Imaru Sumi (The University of Tokyo)	(P311) Matrix Resin in New Composite Materials for Improving the Insulation Structure for Fusion Reactors Saki Morita (Meisei University)
	(P112) Fiber undulation and tensile properties of recycled carbon fiber sliver reinforced polyamide 6 composite Ryuki Kitta (Nihon University)	(P312) Through-Thickness Conductivity Enhancement in CFRP Laminates by Large Spherical Graphite Particles via Interlaminar Fiber Contact Keito Hosoe (Yamagata University)
	(P113) Joining Carbon Fiber Bundles by Air Splicing Shinsuke Yamane (Nagoya University)	(P313) Interfacial Crack Analysis Along Single Carbon Fiber Surrounded by a Nonlinear Viscoelastic Matrix Reiya Yamamura (Hokkaido University)
	(P114) Observation of microstructures in the interphase between the carbon fiber and epoxy resin Ryo Kumagai (Hokkaido University)	

Lunch information

There are many restaurants on the 9th and 10th floors of the City Dining "Kooten" area, which is near the conference venue.

Note that these restaurants get very crowded at lunchtime.



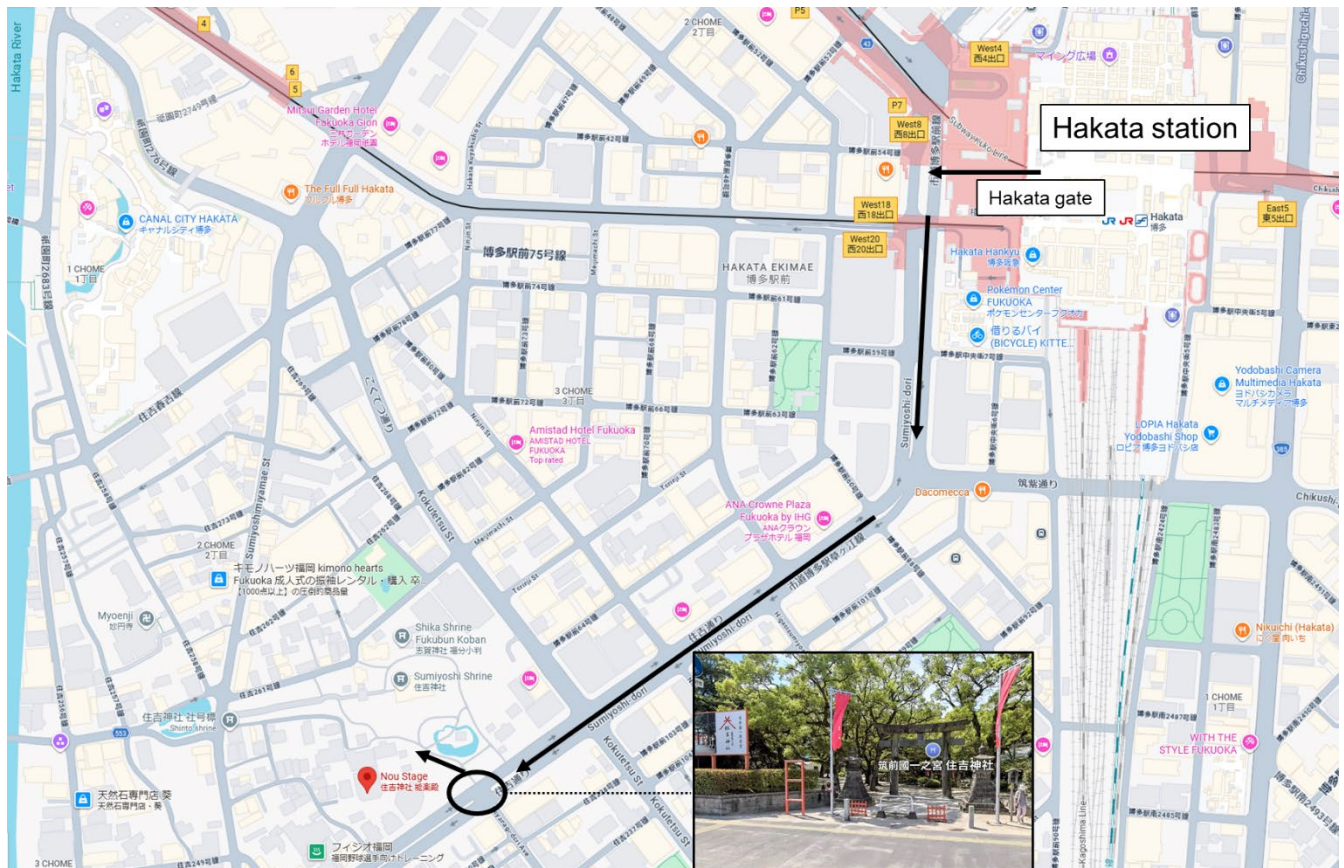
Kooten 9th floor



Kooten 10th floor

Banquet place

The banquet will be held at the Nohgaku stage in Sumiyoshi Shrine, a historical performing arts venue. The Nohgaku stage is designated as an important cultural property. The banquet place is a 15-minute walk from the conference venue.



Sumiyoshi Shrine

3-1-51 Sumiyoshi, Hakata-ku, Fukuoka, 812-0018

ADVANCED COMPOSITE MATERIALS

The Official Journal of the Japan Society
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Editor-In-Chief: Prof. Shigeki Yashiro
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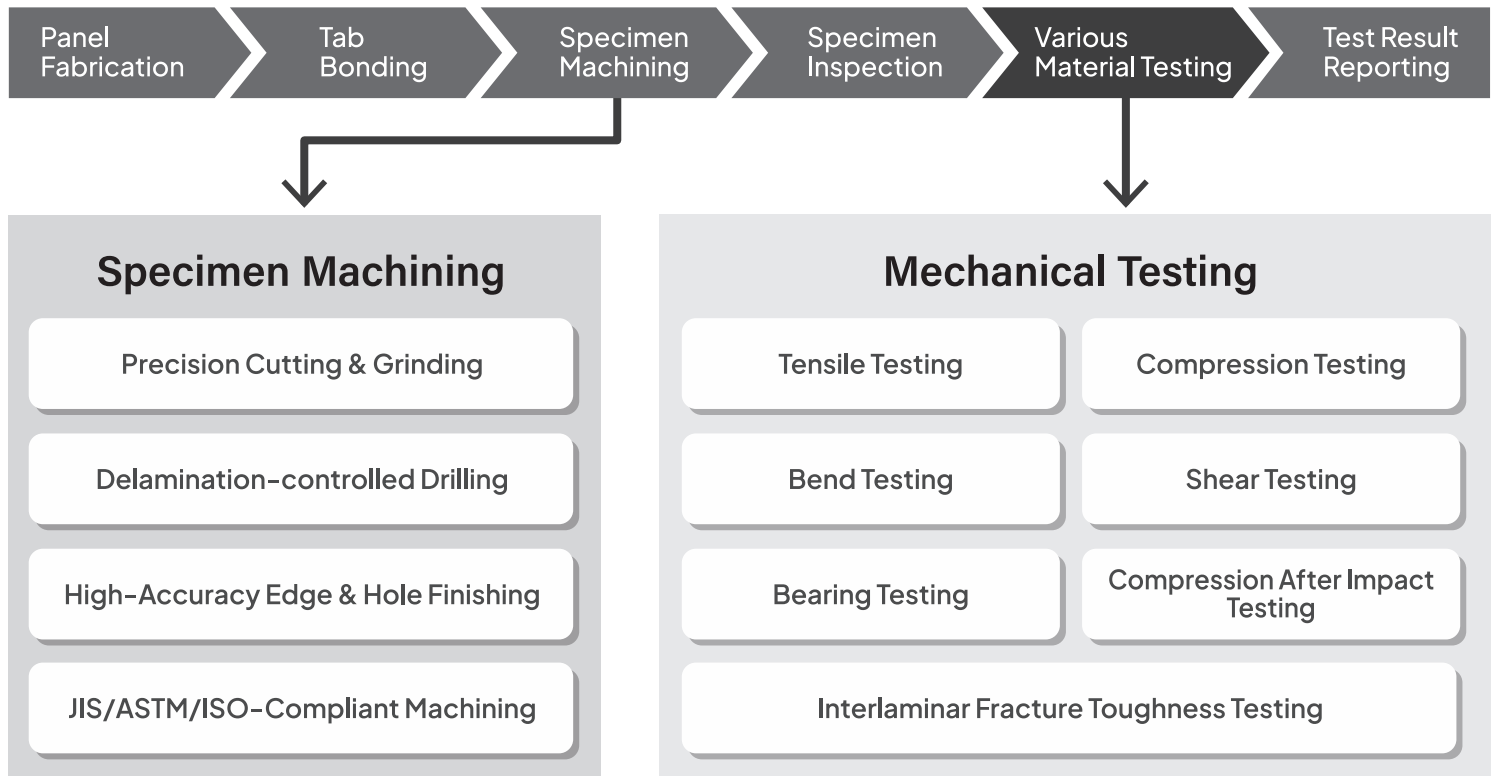
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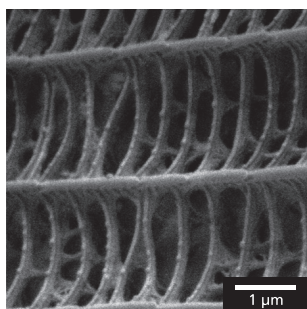
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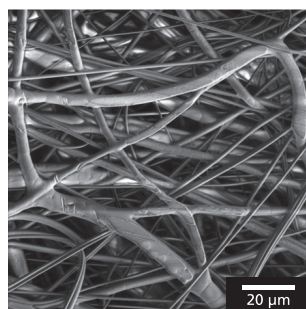
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water vapor atmosphere



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APPLICATIONS

Life Science

Microstructure of cell tissues and microorganisms.
Evaluation of medical materials.

Material

Observation of the surface condition and microstructure of non-conductive materials such as nanomaterials, polymers, gels, and ceramics.

Food

Dispersion state and effects of food additives.
Observation of microstructure and analysis of foreign matter.

Catalyst

Observation of catalyst particle morphology, dispersion state, particle size distribution, and surface changes during reaction.

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