

Dec. 2, 2025			
Room	A (Room1)	B (Reception 1)	C (Room 6)
9:40 - 10:00	Opening address		
	Market	Recycle of Composite and Circular Application	Student Session (1)
10:00 - 10:20	(1A-01) Keynote Eric (JEC)	(1B-01) Keynote RECYCLED CARBON FIBERS AND THEIR POSSIBLE APPLICATIONS BY REINFORCING PA66/6I IN COMBINATION WITH FLAME RETARDANT ADDITIVE Bernhard Leitner (Fraunhofer IGCV)	
10:20 - 10:40			
10:40 - 11:00			Student Session (1) Student session presentations will be assigned after the review of extended abstracts. The paper IDs for the student session are listed on the following pages.
11:00 - 11:20		(1B-02) The future of carbon fiber recycling: integration with conventional fiber technology Shinichi Tatsuta (TATSUTA SPINNING CO.,LTD.)	
11:20 - 11:40		(1B-03) INTERNATIONAL COLLABORATION BETWEEN FRAUNHOFER AND JAPAN “FIP-MIRAI@ICC” Frank Manis (Fraunhofer IGCV)	
11:40 - 12:00		(1B-04) Multiple mechanical recycling for Large Format Additive Manufacturing Bernhard Bauer (Technical University of Munich (TUM))	
12:00 - 13:00	Lunch		
	Matrix Resin	Recycle of Composite and Circular Application	Student Session (2)
13:00 - 13:20	(1A-02) Keynote ECO-DESIGN OF THERMOPLASTIC COMPOSITE MATERIALS Fumi Ariura (Arkema)	(1B-05) APPROACH TO REDUCING IN-MOLD PRESSURE IN WET COMPRESSION MOLDING WITH RECYCLED CARBON FIBER MATS Katsuhiko NUNOTANI (Innovative Composite Center, Kanazawa Institute of Technology)	
13:20 - 13:40			(1B-06) A METHOD FOR VERIFYING THE RELIABILITY OF FIBER LENGTH DISTRIBUTION IN DISCONTINUOUS FIBER-REINFORCED COMPOSITES Guillaume Crassous (Arkema K.K.)
13:40 - 14:00	(1A-03) SYNTHESIS OF METHACRYLIC RESIN WITH GLYCOL LIGNIN AS THE MAIN BACK BONE Atsuhiko Yamanaka (Kanazawa Institute of Technology)	(1B-07) NUMERICAL SIMULATION OF FATIGUE BEHAVIOR IN THREE-DIMENSIONAL WOVEN CFRP USING RECYCLED CARBON FIBER SPUN YARN Masaya Ebina (Toyota Industries Corporation)	
14:00 - 14:20	(1A-04) RESIN AND PREPREG PROPERTIES OF A LOW TEMPERATURE DEMOLDABLE BISMALEIMIDE TOOLING PREPREG FOR HIGH-RATE TOOLS Ayumi Takaoka (Kaneka Corporation)	(1B-08) Processing and Mechanical Performance of Recycled Carbon Fiber/PP Tapes Produced from Carded Slivers Asami Nakai (Gifu Unicersity)	

14:20 - 14:40	(1A-05) Internal Pressure Molding of Carbon Fiber-reinforced Thermoplastic Epoxy Pipes Hirofumi Nishida (Kanazawa Institute of Technology)	(1B-09) THE EFFECT OF CARBON NANOFIBERS ON ELECTRICAL AND THERMAL CONDUCTIVITY OF PANI/RECYCLED CARBON FABRIC NANOCOMPOSITE SYSTEMS Özgür Demircan (Ondokuz Mayıs University)	Student Session (2)
14:40 - 15:00	(1A-06) Study on evolution of mechanical properties and failure mechanism of phthalonitrile resin matrix composite laminates at 450-500°C Yang Zongqi (Beihang University)		
15:00 - 15:20	Coffee Break		
	Pressure Vessel		
15:20 - 15:40	(1A-07) DAMAGE-TOLERANT DESIGN AND ACOUSTIC EMISSION MONITORING OF HIGH-PRESSURE HYDROGEN COMPOSITE VESSELS FOR FUEL CELL VEHICLES Yoshihiro Mizutani, Masaaki Samejima, Takanori Sugiyama (Institute of Science Tokyo)		Student Session (3)
15:40 - 16:00	(1A-08) DEVELOPMENT ACTIVITY OF LIQUEFIED HYDROGEN COMPOSITE STORAGE TANK FOR AIRCRAFT NORIYOSHI HIRANO (Kawasaki Heavy Industries, Ltd)		
16:00 - 16:20	(1A-09) Fatigue strength evaluation of orthogonally oriented FRP laminates under liquid nitrogen conditions Hiroyuki OGUMA (National Institute for Materials Science)		
16:20 - 16:40	(1A-10) RESIN DEVELOPMENT FOR MOLDING CARBON FIBER REINFORCED PLASTICS USING ELECTRON BEAM IRRADIATION Hiroshi Yamashita (Kanazawa Institute of Technology)		
16:40 - 17:00	Coffee Break		
	Plenary Lecture		
17:00 - 18:00	(PL-01) Ole		
18:00 -	Banquet		

Dec. 3, 2025			
Room	A (Room1)	B (Reception 1)	C (Room 6)
	Defense-related	Civil and Building Engineering	Student Session (4)
10:00 - 10:20	(2A-01) APPLICATION OF THE FREEZE-DRY METHOD TO WATER-SENSITIVE EPOXY ADHESIVES FOR RELIABLE BONDING JOINTS Tetsuya Morimoto (Japan Aerospace Exploration Agency (JAXA))	(2B-01) Viscoelastic-Plastic Assessment of Bolt Preload Relaxation and Its Influence on the Failure Strength of CFRP Laminates Kota TANIYAMA (Kanazawa Inst. Tech)	Student Session (4)
10:20 - 10:40	(2A-02) Surface Activation, Aging Control, And Adhesive Bonding Strength In Heat Treated Ti-6al-4v Yila Gaqi (National Institute for Materials Science)	(2B-02) DEVELOPMENT OF DURABLE RECYCLED HDPE BLENDS FOR ARTIFICIAL HATCH ROOFING WITH ENHANCED UV AND FIRE RESISTANCE Ali Fazli (CTT Group)	
10:40 - 11:00	(2A-03) nobuyuki kamihara (Mitsubishi Heavy Industries)	(2B-03)Influence of Adhesive Viscoelasticity on Tensile Creep Behavior of at CFRP Strand End Joints Yuuki HORI (Kanazawa Inst. Tech)	
11:00 - 11:20		Student Lunch Session	
11:20 - 11:40			
11:40 - 12:00			
12:00 - 13:00	Lunch		Lunch
	Plenary Lecture		
13:00 - 14:00	(PL-02) Verpoest		
14:00 - 15:00	(PL-03) Airbus		
15:00 - 15:20	Coffee Break		
	Molding and Processing	Airplane and Air Mobility	Student Session (5)
15:20 - 15:40	(2A-04) COMPRESSION MOLDING STUDY OF RANDOMLY ORIENTED CHOPPED SHEET USING CF/PPA TAPE Osuke Ishida (Kanazawa Institute of Technology)	(2B-04) IN-SITU DEFORMATION MEASUREMENT OF STAMP FORMED THERMOPLASTIC COMPOSITES DEPENDENDING ON FORMING CONDITIONS USING EMBEDDED SHAPE SENSORS Kiichi CHIKAMORI (The University of Tokyo)	Student Session (5)
15:40 - 16:00	(2A-05) A new Fusion Core Molding technology for 3D Hollow composite products Atsushi Nohara (Mitsubishi Chemical Corporation)	(2B-05) Development and characterization of modified carbon/phenolic composites with improved interlaminar properties Luigi Torre (University of Perugia)	

16:00 - 16:20	(2A-06) Permeability of carbon/carbon composites for the improvement of the densification process Tania Lavaggi (University of Delaware)	(2B-06) Improving compressive strength of composite ply drops via Ply Curving Termination Kyoka Kanda (The University of Tokyo)	
16:20 - 16:40	(2A-07)Development of Resin Impregnation Simulation for Predicting Microscopic Defects Based on Quantification of Fabric Pore Distribution Shunsuke SAKAI (Kanazawa Inst. Tech)		

Dec. 4, 2025			
Room	A (Room1)	B (Reception 1)	C (Room 6)
	Carbon Fiber	Interface and Adhesion	Student Session (6)
10:00 - 10:20	(3A-01) SHEAR PROPERTY EVALUATION OF CARBON FIBER REINFORCED PLASTICS KHOO PUI SAN (Tokyo University of Science)	(3B-01) THE EFFECT OF CURING CONDITIONS ON THE ADHESIVE STRENGTH OF SANDWICH PANELS Chihiro Mitani (Mitsubishi Electric Corporation)	Student Session (6)
10:20 - 10:40	(3A-02) Evaluation of the Compressive Strength of Carbon Fiber Bundles Using the Cruciform Test Method with PA6 and T700 Carbon Fibers Kosuke TANAKA (Kanazawa Inst. Tech)	(3B-02) Joint State and Joint Strength in Injection-Molded Metal-Polymer Direct Joining Hiroaki Tanaka (Kanazawa Inst. Tech)	
10:40 - 11:00	(3A-03) EFFECT OF SPECIMEN DIMENSIONS AND SPECIMEN QUANTITY ON CFRTP-SMC TENSILE STRENGTH USING MONTE-CARLO MODELING Mingqing Yuan (The University of Tokyo)	(3B-03) PU-PMMA COPOLYMER ENHANCED WITH RECYCLED CARBON FIBER POWDER FOR ADHESIVE APPLICATIONS IN COMPOSITES Shang-Nan Tsai (National Sun Yat-sen University)	
11:00 - 11:20			
		Materials	
11:20 - 11:40		(3B-04) Keynote AN OVERVIEW OF THE TAILORABLE UNIVERSAL FEEDSTOCK FOR FORMING (TUFF) PROCESS	
11:40 - 12:00		Dirk Heide (University of Delaware -Center for Composite Materials)	
12:00 - 13:00	Lunch		
	Plenary Lecture		
13:00 - 14:00	(PL-04) Boeing		
	Robot Manufacturing (AM and FW)	Materials	Student Session (7)
14:00 - 14:20	(3A-04) EXPERIMENTAL INVESTIGATION OF FIBER ORIENTATION AND FLOW CHARACTERISTICS OF CTT MATERIALS USING THE SQUEEZE FLOW TEST Takehiro Shirai (Kanazawa Inst. Tech)	(3B-05) FLOW DEFORMATION BEHAVIOR OF SOLID WOODS IMPREGNATED WITH POLYMERS Tsunehisa MIKI (National Institute of Advanced Industrial Science and Technology (AIST))	Student Session (7)
14:20 - 14:40	(3A-05) INTERLAMINAR FRACTURE TOUGHNESS OF ADDITIVELY MANUFACTURED CONTINUOUS CARBON FIBER REINFORCED THERMOPLASTICS: A COMPARATIVE STUDY Kohji Suzuki (Chiba Institute of Technology)	(3B-06) REPEATABLE INTERLAMINAR SELF-HEALING FOR FRP CONTAINING MICROCAPSULES WITH STRESS-ACTIVATED CHANNELS Mototsugu Tanaka (Kanazawa Institute of Technology)	

14:40 - 15:00	(3A-06) Subscale Prototyping of Cryogenic Tank Parts Fabricated by Automated Fiber Placement of CFRTs Ryosuke Hashizume (Mitsubishi Heavy Industries)	(3B-07) Evaluation of internal transverse crack initiation and propagation in cross-ply composite laminates Sota Oshima (Tokyo University of Agriculture and Technology)	Student Session (1)
15:20 - 15:40		(3B-08) Quantitative Evaluation of Fiber Orientation in SMC Components Using Process Simulation and X-ray Interferometry Yasutaka Shinoura (Mitsubishi Chemical Corporation)	
15:40 -	Closing		

Student Session	
S01	NUMERICAL SIMULATION OF FATIGUE DAMAGE IN CFRP CROSS-PLY LAMINATES ACCOUNTING FOR FREQUENCY DEPENDENCE AND INTERNAL HEAT GENERATION R. Akimoto, Tokyo University of Science
S02	INTRALAMINAR CRACK PROPAGATION PHENOMENON IN NOTCHED UNIDIRECTIONAL CFRP FOR FRACTURE TOUGHNESS EVALUATION K. Amagase, Kyushu University
S03	FACTOR ESTIMATION OF FREE EDGE DAMAGE OF CFRP BISTABLE BOOM DURING STOWAGE AND DEPLOYMENT PROCESS K. Aoyagi, Meiji University
S04	PREDICTING THERMAL WARPING OF 3D PRINTED CFRTP S. Bando, The University of Tokyo
S05	NUMERICAL MODELLING OF DISCONTINUOUS FIBER-REINFORCED COMPOSITES C. Castle, The University of Tokyo
S06	EFFECT OF ANISOTROPIC RATIO OF NONWOVEN CFRTP CORE ON FLEXURAL AND FAILURE BEHAVIOR OF SANDWICH STRUCTURES L. Fang, The University of Tokyo
S07	EFFECT OF IN-MOLD FLOW AND TAPE LENGTH ON VOID CHARACTERISTICS IN CFRTP-SMC Z. Guo, The University of Tokyo
S08	MECHANICAL PROPERTIES AND DAMAGE BEHAVIOR OF GLASS CLOTH LAMINATES FABRICATED WITH BIO-DERIVED FURAN RESIN Y. Hiyoshi, Tokyo University of Science
S09	INVESTIGATION OF MOLDING CONDITIONS FOR CHOPPED CARBON FIBER TAPE REINFORCED THERMOPLASTICS USING IMPREGNATED TAPE WITH RECYCLED CARBON FIBER SLIVER M. Ikeda, Gifu University
S10	DEGRADATION CHARACTERISTICS OF A 3D PRINTED PEEK RESIN BY SHORT WAVELENGTH ULTRAVIOLET LIGHTS IRRADIATIONS R. Ishibashi, Nihon University
S11	XCT-VISIBEL MARKER TAPES FOR TAPE-LEVEL FLOW TRACING IN CFRTP-SMCS C. Jin, The University of Tokyo
S12	DEFECTS IN CONTINUOUS CARBON REINFORCED PLASTIC DUE TO CURVILINEAR 3D PRINTING R. Kawasaki, Nihon University
S13	POST-MACHINING DAMAGE CHARACTERIZATION OF LONG FIBER NON-WOVEN REINFORCED COMPOSITES S. Kijima, Tokyo University of Science
S14	STUDY ON IMPROVING ADHESION IN OVERMOLDING PROCESS VIA INJECTION-COMPRESSION MOLDING D. Kim, Ulsan National Institute of Science and Technology (UNIST)
S15	ADHESIVE STRENGTH AND DAMAGE PROGRESSION IN CFRP DOVETAIL LAP JOINTS S. Kurisu, Meiji University
S16	INFLUENCE OF MATRIX TYPE AND PROCESSING ROUTE ON SLIVER-BASED RECYCLED CARBON FIBER COMPOSITES J. LEE, The University of Tokyo
S17	LIFE CYCLE COST EVALUATION AND MATERIAL APPLICABILITY STUDY FOR FLOATING VERTICAL AXIS WIND TURBINES J. LI, The University of Tokyo
S18	IMPACT PERFORMANCE OF DISCONTINUOUS CFRTP SYSTEMS AND STRATEGY FOR CASCADE RECYCLING S. LIM, The University of Tokyo
S19	TAPE CUT ANGLE EFFECTS ON TENSILE PROPERTIES VARIATION OF CFRTP-SMC VALUATED BY MONTE CARLO SIMULATION AND EXPERIMENT VALIDATION P. Lu, The University of Tokyo
S20	ESTIMATION OF DAMAGE BEHAVIOR AND EFFECTS OF CHANGES IN LAMINATE NUMBER IN FILLED-HOLE COMPRESSION OF CFRP LAMINATES W. Mikami, Meiji University
S21	PREDICTION METHOD FOR FIBER ORIENTATION AND CURVATURE ON RECYCLED CFRP USING MACHINE LEARNING R. Minegishi, Hosei University
S22	A STUDY ON STRUCTURAL MATERIAL SELECTION IN DIVERSE WIND TURBINE SYSTEMS: A LIFE CYCLE CO ₂ AND LIGHTWEIGHTING PERSPECTIVE T. Morishima, The University of Tokyo

S23	MECHANICAL PROPERTIES OF CNF-ADDED WOVEN CFRP LAMINATES K. Murai, Tokyo University of Science
S24	POWDER IMPREGNATION BEHAVIOR OF CFRTP SEMIPREG SHEETS IN VARIOUS THERMOFORMING PROCESSES S. Murata, Kindai University
S25	TOPOLOGY-CONSTRAINED U-NET FOR DELAMINATION MAPPING IN BALLISTIC-DAMAGED GFRP A. Nakagawa, The University of Tokyo
S26	INFLUENCE OF STACKING SEQUENCE AND METAL TYPES ON DAMAGE CHARACTERISTICS OF THIN-PLY FML T. Nishiyama, Kyoto University
S27	THE EFFECT OF PROCESSING CONDITIONS ON SURFACE DEFECT OCCURRENCE IN PULTRUDED CFRTP PIPES R. Oishi, Gifu University
S28	THERMAL HISTORY AND CRYSTALLINE STATE ANALYSIS OF CFRTP DURING AFP LAMINATION PROCESS Y. Ono, Meiji University
S29	STRUCTURAL MODELLING AND TENSILE BEHAVIOR PREDICTION OF RECYCLED COMPOSTIES BASED ON MECHANICALLY SHREDDED COMPOSTIE SCRAPS H. Park, Ulsan National Institute of Science and Technology (UNIST)
S30	WIND-INDUCED EXTERNAL LOAD AND STRUCTURAL RESPONSE OF CFRP-BASED VAWT BLADES C. Ruan, The University of Tokyo
S31	PREDICTING FATIGUE FAILURE FOR UNIDIRECTIONAL CFRP USING SFF MODEL WITH ENTROPY DAMAGE CRITERION T. Sekino, Tokyo University of Science
S32	THE STUDY ON CALCULATION METHOD OF FRACTURE TOUGHNESS VALUES ASSUMING LARGE DEFORMATION OF BEAMS IN DCB TESTS K. Shirai, Tokyo University of Science
S33	CHARACTERIZATION OF CFRTP-SMC SURFACE MORPHOLOGY USING PRE-TRAINED DEEP LEARNING FEATURES C. Shoji, The University of Tokyo
S34	NUMERICAL SIMULATION OF THERMAL CYCLE FATIGUE IN CFRPS CROSS-PLY LAMINATES BASED ON ENTROPY DAMAGE CRITERION T. Sugiyama, Tokyo University of Science
S35	OBSERVATION AND EVALUATION OF VOIDS INSIDE CFRTP IN MOLDS USING X-RAY CT R. Sugiyama, Tokyo University of Science
S36	EVALUATION OF OUT-OF-PLANE FIBER ORIENTATION IN CFRP USING X-RAY TALBOT-LAU INTERFEROMETER Y. Sumiya, Nagoya University
S37	CARBON FIBER AND MATRIX RESIN MECHANICAL PROPERTIES CONTROLLING STATISTICAL TENSILE FATIGUE LIFE OF UNIDIRECTIONAL CFRP Y. Takeuchi, Kanazawa Institute of Technology
S38	INFLUENCE OF NEEDLE PUNCHING ON THE INTERNAL STRUCTURE OF NW-CFRTP VIA X-RAY COMPUTED TOMOGRAPHY Z. Tang, The University of Tokyo
S39	LONG-TERM HYDROTHERMAL AGING EFFECTS ON MECHANICAL AND INTERFACIAL PROPERTIES OF RECYCLED CARBON FIBERS Q. Wang, The University of Tokyo
S40	MESOSCALE NUMERICAL MODELING AND TENSILE MECHANICAL PROPERTY PREDICTION OF SHEET MOLDING COMPOUNDS Z. Wang, The University of Tokyo
S41	FABRICATION AND STRUCTURAL PERFORMANCE COMPARISON OF RECYCLED NON-WOVEN CARBON FIBER BEAMS D. Xu, The University of Tokyo
S42	A TRIAL-AND-ERROR BASED RESEARCH OF CFRTP-SMC HAT-SECTION BEAMS WITH JOINTS K. Ye, The University of Tokyo
S43	EVALUATION OF THE EFFECT OF MACHINING DAMAGE ON THE STRENGTH OF CFRP OPEN-HOLE COMPRESSION TEST SPECIMENS T. Yoshinaga, Meiji University
S44	INTERFACIAL BONDING ANALYSIS OF CFRTP SANDWICH STRUCTURES WITH RECYCLED CARBON FIBER F. Zhang, The University of Tokyo