

SEAJCCM 2026

South East Asia-Japan Conference
on Composite Materials 2026

2-4 September 2026, Tokyo, Japan



Welcome to SEAJCCM 2026

We are delighted to welcome you to the **South East Asia-Japan Conference on Composite Materials 2026 (SEAJCCM 2026)**, and we hope that you will have an outstanding experience at the conference, as well as during your stay in Tokyo and Japan. The theme of SEAJCCM 2026 is "**Advancing Research in Composite Materials**". The conference aims to provide a platform for leading researchers and academics in composites science and technology from Japan and South East Asian countries to build networks, share knowledge, and leverage their collective strengths for the advancement of composite materials. The program will feature plenary and keynote lectures by leaders in various fields of composites research and development, together with oral presentations by authors from Japan and South East Asian countries.

Once again, we warmly welcome you to Tokyo and SEAJCCM 2026.

Prof. Ryo Higuchi	Prof. Sota Oshima
Chair of the SEAJCCM 2026	Vice-Chair of the SEAJCCM 2026
Associate Professor	Associate Professor
The University of Tokyo	Tokyo University of Agriculture and Technology

Committee members

Dr. Naruki Ichihara	The University of Tokyo
Dr. Sho Kajihara	Meiji University
Dr. Shintaro Kamiyama	Japan Aerospace Exploration Agency (JAXA)
Prof. Xin Lu	The University of Tokyo
Prof. Fikry Mohammad	Hiroshima University
Dr. Sota Onodera	Kyushu University
Dr. Hirohide Shiratori	Japan Aerospace Exploration Agency (JAXA)
Dr. Mio Sato	Japan Aerospace Exploration Agency (JAXA)
Dr. Yu Zusho	The University of Tokyo
Mr. Masashi Mizuno	Japan Society for Composite Materials

Organizer: The Japan Society for Composite Materials

Co-organizer: Aerospace Innovative Structural Design Laboratory, Department of Aeronautics and Astronautics, The University of Tokyo

Sponsor: Advanced Composite Materials (Taylor & Francis)

SEAJCCM 2026 Venue

Ito International Research Center [\[Google Map\]](#)

The University of Tokyo, Hongo Campus 7-3-1, Hongo, Bunkyo-ku, Tokyo, ZIP 113-0033

【Hongo Campus Map】



【Train Access to Venue】

Nearest stations (Subway)	Time required
Hongo-sanchome (Marunouchi Line)	8 minutes' walk
Hongo-sanchome (Oedo Line)	6 minutes' walk
Yushima (Chiyoda Line)	15 minutes' walk
Todaimae (Nanboku Line)	12 minutes' walk

From Forest Hongo: 7 minutes' walk

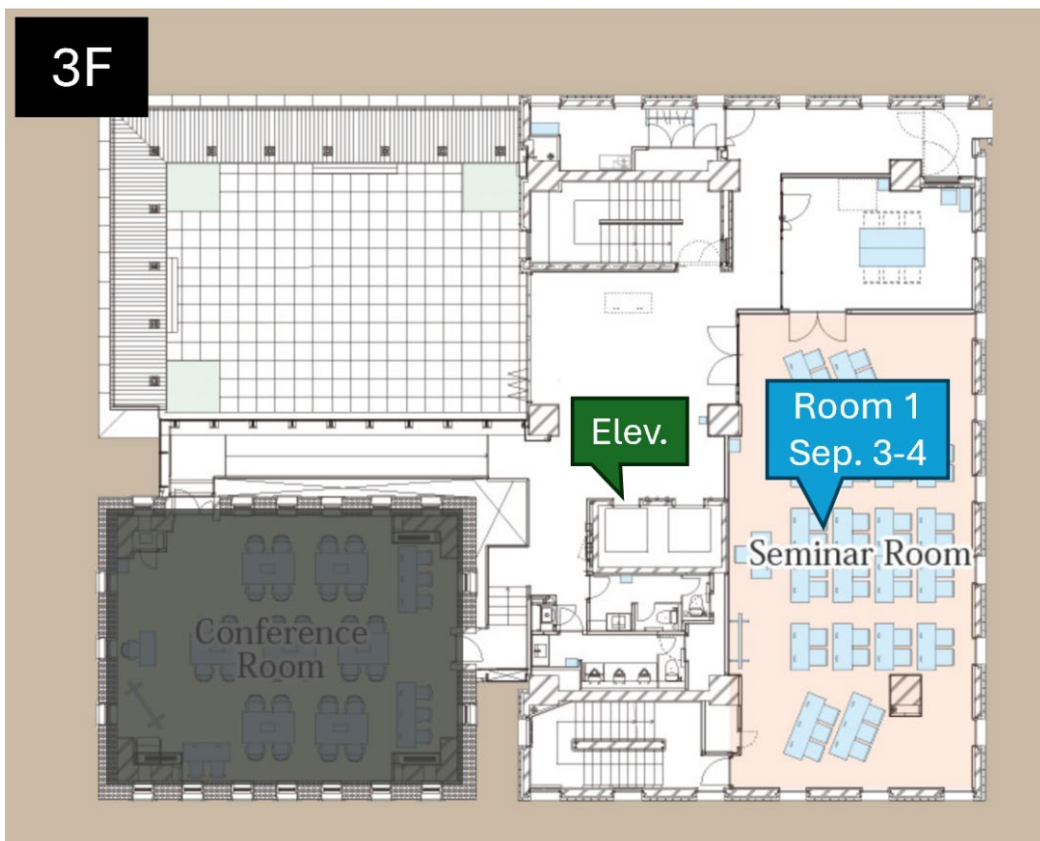
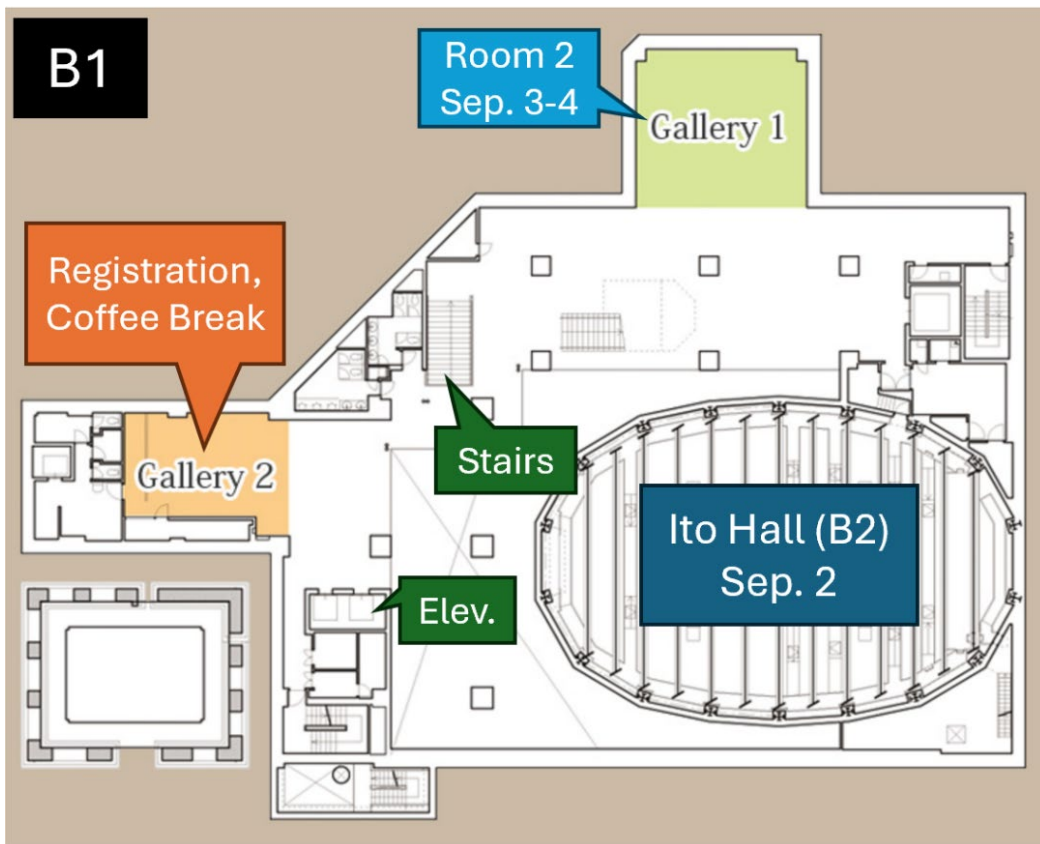
From Tokyo Dome Hotel: 20 minutes including walk and subway (Marunouchi Line from Korakuen to Hongo-sanchome)

From Tokyo Station: 15 minutes including walk and subway (Marunouchi Line from Tokyo to Hongo-sanchome)

From Ueno Station: 15 minutes including walk and subway (Oedo Line from Ueno-okachimachi to Hongo-Sanchome) or bus (Toei Bus 上01 for the University of Tokyo, get off at Todai-Byoin-Mae)

Additional access information: <https://www.u-tokyo.ac.jp/adm/iirc/en/access.html>

【Floor Map: Ito International Research Center】



Reception - September 2, 2026 (Wed.)

Capo PELLICANO (The University of Tokyo, Hongo Campus) [\[Google Map\]](#)

13th Floor, Faculty of Medicine Experimental Research Building

7-3-1, Hongo, Bunkyo-ku, Tokyo

3 min walk from Conference Venue

Banquet - September 3, 2026 (Thu.)

Sky Banquet “Sirius” (42nd Floor, Tokyo Dome Hotel) [\[Google Map\]](#)

1-3-61 Koraku, Bunkyo-ku, Tokyo

30 min from Conference Venue (Tokyo Metro Marunouchi Line, 1 stop + walk)

Excursion - September 4, 2026 (Fri.)

JAXA Tsukuba Space Center (TSC) [\[Website\]](#) [\[Google Map\]](#)

2-1-1 Sengen, Tsukuba-shi, Ibaraki 305-8505

Schedule

Time	Schedule
12:15	Gather at the entrance of the conference venue
12:30	Depart by chartered bus
14:30	Arrive at JAXA TSC and reception completed
14:55	Gather in the Audiovisual Room
15:00-16:30	JAXA Guided Tour (includes on-site bus transportation)
16:30	Depart from JAXA TSC
18:00	Arrive at The University of Tokyo

Important Notes

- All participants must carry a valid photo ID.
- Lunch boxes will be provided on the bus.
- JAXA Guided Tour starts exactly at 15:00.
- The schedule may be subject to change depending on traffic conditions.

Registration desk

The SEAJCCM 2026 registration desk is located at Gallery 2 (B1F). The desk is open from 8:30 to 17:00 on September 2 and 3, and from 8:30 to 12:00 on September 4.

Abstracts collections

The abstracts in PDF format can be downloaded from the SEAJCCM 2026 website:

<https://www.jscm.gr.jp/conference/SEAJCCM2026/program.html>

(Available until September 11)

The password for the unzipping will be provided at the conference venue.



Venue & Rooms

Day 1	Ito Hall	Plenary & Keynote Lectures
Day 2	Gallery1	Invited Lectures, General Sessions
	Seminar Room	Student Award Sessions, General Sessions
Day 3	Gallery1	General Sessions
	Seminar Room	General Sessions

Student Presentation Award

At SEAJCCM2026, Student Presentation Awards will be presented to students in recognition of outstanding scientific research and excellent presentation skills. The award ceremony will be held during the **banquet**. Students who have applied for the Student Presentation Award are strongly encouraged to attend the banquet.

Publications

Papers presented at the conference may be considered for publication in a special issue of ***Advanced Composite Materials* (Taylor & Francis)**, subject to meeting the journal's required standards and undergoing the appropriate review process. Detailed submission instructions will be provided by the Organizing Committee after the conference.

Plenary lectures



Prof. Tong-Earn Tay

Professor

National University of Singapore, Singapore

Lecture title:

“Mechanisms of Failure in Thermoplastic Composites: From Yielding to Final Rupture”

(September 2, 9:20 - 10:05)



Prof. Tomonaga Okabe

Professor

Tohoku University, Japan

Lecture title:

“Research and Development on Adhesive Bonding Technology for Composite Materials”

(September 2, 10:05 - 10:50)



Mr. Naoki Sugiura

Principal Researcher / Research Fellow

Mitsubishi Chemical Corporation, Japan

Lecture title:

“Advances and Current Status of Carbon Fiber Technology”

(September 2, 13:10 - 13:55)



Prof. Tomohiro Yokozeki

Professor

The University of Tokyo, Japan

Lecture title:

“Extendable Bi-stable Composite Boom for Space Application”

(September 2, 16:35 - 17:20)

Keynote lectures



Prof. Mohd Yazid Yahya

Professor

Universiti Teknologi Malaysia, Malaysia

Lecture title: *“A Review of the Blast Response of Fibre Reinforced Composite Materials”*

(September 2, 11:10 - 11:40)



Mr. Danu Chotikapanich

CEO

Cobra International, Thailand

Lecture title: *“Practical Use of Composites in Drones”*

(September 2, 11:40 - 12:10)



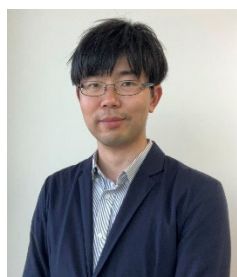
Prof. Natsuki Tsushima

Associate Professor

Kyushu University, Japan

Lecture title: *“Bridging Constituent-Scale Damage Mechanics and Full-Aircraft Aeroelasticity for Flexible Composite Wings”*

(September 2, 13:55 - 14:25)



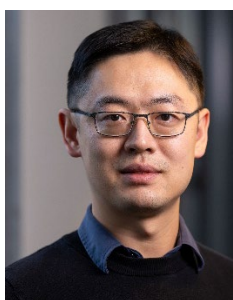
Prof. Koichi Mizukami

Associate Professor

Tokyo Metropolitan University, Japan

Lecture title: *“Additively Manufactured Fiber-Composite Metamaterials as a Solution to Structural Vibration Problems”*

(September 2, 14:45 - 15:15)



Prof. Boyang Chen

Associate Professor

TU Delft, Netherlands

Lecture title: *“Quantum and Quantum-inspired Approaches to Structural Optimization and Composites Stacking Sequence Retrieval”*

(September 2, 15:15 - 15:45)



Dr. Jonathon Tanks

Senior Researcher

National Institute for Materials Science (NIMS), Japan

Lecture title: *“Material Recycling/Upcycling Strategies for Sustainable Polymer Composites”*

(September 2, 15:45 - 16:15)

SEAJCCM 2026 Program

Conference : Ito International Research Center, The University of Tokyo

Room: Ito Hall (Day 1), Gallery1 and Seminar Room (Day 2 and Day 3)

Sep. 2, 2026, Plenary & Keynote Lectures - Towards an Innovative Composite Structures
(co-organized with Aerospace Innovative Structural Design Laboratory)

Room	Ito Hall (B2F)
8:30 -	Registration @ Gallery2 (B1F)
9:15 - 9:20	Opening address
9:20 - 10:05	Plenary Lecture (PL-01) Chair: Ryo Higuchi
	(PL-01) MECHANISMS OF FAILURE IN THERMOPLASTIC COMPOSITES: FROM YIELDING TO FINAL RUPTURE Tong-Earn Tay (National University of Singapore)
10:05 - 10:50	Plenary Lecture (PL-02) Chair: Ryo Higuchi
	(PL-02) RESEARCH AND DEVELOPMENT ON ADHESIVE BONDING TECHNOLOGY FOR COMPOSITE MATERIALS Tomonaga Okabe (Tohoku University)
10:50 - 11:10	Coffee Break @ Gallery2 (B1F)
11:10 - 11:40	Keynote Lecture (KL-01) Chair: M. J. Mohammad Fikry
	(KL-01) A REVIEW OF THE BLAST RESPONSE OF FIBRE REINFORCED COMPOSITE MATERIALS Mohd Yazid Yahya (Universiti Teknologi Malaysia)
11:40 - 12:10	Keynote Lecture (KL-02) Chair: M. J. Mohammad Fikry
	(KL-02) PRACTICAL USE OF COMPOSITES IN DRONES Danu Chotikapanich (Cobra International)
12:10 - 13:10	Lunch
13:10 - 13:55	Plenary Lecture (PL-03) Chair: Sota Onodera
	(PL-03) ADVANCES AND CURRENT STATUS OF CARBON FIBER TECHNOLOGY Naoki Sugiura (Mitsubishi Chemical Corporation)
13:55 - 14:25	Keynote Lecture (KL-03) Chair: Shintaro Kamiyama
	(KL-03) BRIDGING CONSTITUENT-SCALE DAMAGE MECHANICS AND FULL-AIRCRAFT AEROELASTICITY FOR FLEXIBLE COMPOSITE WINGS Natsuki Tsushima (Kyushu University)
14:25 - 14:45	Coffee Break @ Gallery2 (B1F)
14:45 - 15:15	Keynote Lecture (KL-04) Chair: Naruki Ichihara
	(KL-04) ADDITIVELY MANUFACTURED FIBER-COMPOSITE METAMATERIALS AS A SOLUTION TO STRUCTURAL VIBRATION PROBLEMS Koichi Mizukami (Tokyo Metropolitan University)
15:15 - 15:45	Keynote Lecture (KL-05) Chair: Xin Lu
	(KL-05) QUANTUM AND QUANTUM-INSPIRED APPROACHES TO STRUCTURAL OPTIMIZATION AND COMPOSITES STACKING SEQUENCE RETRIEVAL Boyang Chen (TU Delft)
15:45 - 16:15	Keynote Lecture (KL-06) Chair: Mio Sato
	(KL-06) MATERIAL RECYCLING/UPCYCLING STRATEGIES FOR SUSTAINABLE POLYMER COMPOSITES Jonathon Tanks (National Institute for Materials Science - NIMS)
16:15 - 16:35	Coffee Break @ Gallery2 (B1F)
16:35 - 17:20	Plenary Lecture (PL-04) Chair: Sho Kajihara
	(PL-04) EXTENDABLE BI-STABLE COMPOSITE BOOM FOR SPACE APPLICATION Tomohiro Yokozeke (The University of Tokyo)
18:00 - 20:00	Reception @ Capo PELLICANO

Sep. 3, 2026, Invited Lectures, General Sessions, and Student Award Sessions			
Gallery1 (B1F)		Seminar Room (3F)	
8:30 -	Registration @ Gallery2 (B1F)		
Invited Lectures Chair: Xin Lu		Student Award Session 1 Chair: Sota Onodera	
9:00 - 9:30	(IL-01) NUMERICAL MODELING OF HIGH STRENGTH PLLA CONSIDERING CRYSTALLIZATION DURING PROCESSING Jun Koyanagi (Tokyo University of Science), Junsei Tsunoda (Tokyo University of Science), Takenobu Sakai (Saitama University)	9:00 - 9:15	(S-01) INTERLAMINAR FRACTURE TOUGHNESS OF CFRP LAMINATES WITH BIO-INSPIRED 3D-PRINTED INTERLEAVES Rikuto Kezuka (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), Shinsaku Hisada (Japan Aerospace Exploration Agency), Shinichi Takeda (Japan Aerospace Exploration Agency), Naruki Ichihara (The University of Tokyo), K. T. Tan (University of Akron), Shinji Ogihara (Tokyo University of Science)
		9:15 - 9:30	(S-02) INTERLAMINAR FRACTURE BEHAVIOR OF CFRP LAMINATES INCORPORATING A THERMOPLASTIC EPOXY RESIN INTERLEAF Ryoto Sato (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), Masashi Nojima (Tokyo University of Science), Jonathon David Tanks (National Institute for Materials Science), Shinji Ogihara (Tokyo University of Science)
9:30 - 10:00	(IL-02) FULL THERMOPLASTIC COMPOSITES FOR HYDROGEN VESSELS AND PIPELINES Jun Hang Chia (Agency for Science, Technology and Research (A*STAR)), Ice Si Yin Tee (Agency for Science, Technology and Research (A*STAR))	9:30 - 9:45	(S-03) MACHINE LEARNING-BASED PREDICTION OF ELASTIC PROPERTY DEGRADATION ASSOCIATED WITH MATRIX CRACKING IN FRP LAMINATES Wataru Adegawa (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), Niken Prasasti Martono (Tokyo University of Science), Shinji Ogihara (Tokyo University of Science)
		9:45 - 10:00	(S-04) FLAME-INDUCED THERMAL EFFECTS ON MECHANICAL PROPERTIES AND DAMAGE BEHAVIOR OF PLAIN-WEAVE GFRP LAMINATES Tsubasa Takahashi (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), Masashi Nojima (Tokyo University of Science), Ryoichi Igawa (Sumitomo Bakelite), Kento Mizutani (Sumitomo Bakelite), Junji Imai (Sumitomo Bakelite), Koji Koizumi (Sumitomo Bakelite), Shinji Ogihara (Tokyo University of Science)
10:00 - 10:30	(IL-03) COIR FIBRE REINFORCED COMPOSITE FROM BY-PRODUCT TO PLYWOOD REPLACEMENT Phacharaporn Bunyawanchakul (Kasetsart University), Pongsak Khamroi (Kasetsart University), Rungsima Chollakup (Kasetsart University), Jirachaya Boonyarit (Kasetsart University), Damrong Phooakranun (Damrongsilp Supplies), Phanusake Phooakranun (Damrongsilp Supplies), Narongkorn Krajangsawasdi (Kasetsart University)	10:00 - 10:15	(S-05) IMAGE-PROCESSING-BASED QUANTIFICATION OF MATRIX CRACKS IN CFRP LAMINATES FROM SOFT X-RAY IMAGES Kizashi Ohtsubo (Tokyo University of Science), Jason P. Mack (The University of Akron), Niken Prasasti Martono (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), K. T. Tan (The University of Akron), Shinji Ogihara (Tokyo University of Science)
		10:15 - 10:30	(S-06) FIBER ORIENTATION AND CURVATURE EVALUATION METHOD OF RECYCLED CARBON FIBER NONWOVEN FABRICS USING LINE-SCAN CAMERA Shintaro Takasuna (Hosei University), Mio Sato (JAXA), Masumi Higashide (Hosei University), Yuichi Ishida (JAXA), Sunao Sugimoto (JAXA)
10:30 - 10:50	Coffee Break @ Gallery2 (B1F)		
General Session 1 (Materials 1) Chair: Manish Kumar		Student Award Session 2 Chair: Naruki Ichihara	
10:50 - 11:10	(GS-01) DELAMINATION RESISTANCE IN TAPERED CFRP LAMINATES WITH RECYCLED/VIRGIN CARBON FIBER INTERLAMINAR REINFORCEMENT Pui San Khoo (Tokyo University of Science), JunYu Yan (Tokyo University of Science), Ziyi Yang (University of Toronto), M. J. Mohammad Fikry (Hiroshima University), Daisuke Isobe (Sumitomo Bakelite), Junji Imai (Sumitomo Bakelite), Koji Koizumi (Sumitomo Bakelite), Shinji Ogihara (Tokyo University of Science)	10:50 - 11:05	(S-07) EXPERIMENTAL AND NUMERICAL STUDY ON MECHANICAL BEHAVIOUR OF ANGLE-PLY FIBER REINFORCED THERMOPLASTIC LAMINATES Nguyen Hong Van Pham (National University of Singapore), Vincent Beng Chye Tan (National University of Singapore), Tong-Earn Tay (National University of Singapore)
		11:05 - 11:20	(S-08) HYGROTHERMAL DEGRADATION OF SANDWICH COMPOSITE MANUFACTURED BY VARI COCURE Rijal Ahmadi (Bandung Institute of Technology), Hermawan Judawisastra (Bandung Institute of Technology), Satrio Wicaksono (Bandung Institute of Technology), Riza Wirawan (Bandung Institute of Technology)
11:10 - 11:30	(GS-02) AN ENTROPY-MODIFIED HASHIN CRITERION FOR THERMAL FATIGUE ANALYSIS OF CFRP LAMINATES Yutong Li (Tokyo University of Science), Takumu Sugiyama (Tokyo University of Science), Jun Koyanagi (Tokyo University of Science)	11:20 - 11:35	(S-09) EFFECT OF ANISOTROPIC RATIO ON THE MECHANICAL BEHAVIOR OF NONWOVEN CARBON FIBER REINFORCED THERMOPLASTIC COMPOSITES UNDER DIFFERENT BOUNDARY CONDITIONS Linghan Fang (The University of Tokyo), Fan Zhang (The University of Tokyo), Sang Won Lim (The University of Tokyo), Jun Takahashi (The University of Tokyo), Yi Wan (The University of Tokyo)
11:30 - 11:50	(GS-03) COMPARATIVE EVALUATION OF STEEL AND POLYPROPYLENE FIBER REINFORCED CONCRETE UNDER CONTROLLED INITIAL THERMAL EXPOSURE CONDITIONS Faisal Ananda (Universiti Teknikal Malaysia Melaka, Politeknik Negeri Bengkalis), Mohd. Nur Azmi Bin Nordin (Universiti Teknikal Malaysia Melaka), Mizah Binti Ramli (Universiti Teknikal Malaysia Melaka), Ayu Maizatul Alifah (Politeknik Negeri Bengkalis), Restu Setiawan (Politeknik Negeri Bengkalis), Muhammad Gala Garcya (Politeknik Negeri Bengkalis), Roma Dearnri (Politeknik Negeri Bengkalis), Juli Ardita Pribadi (Politeknik Negeri Bengkalis)	11:35 - 11:50	(S-10) EFFECT OF PLASMA TREATMENT ON INTERFACIAL FRACTURE TOUGHNESS OF ADHESIVELY BONDED CFRP LAMINATES Younosuke Shibasaki (Tokyo University of Science), M. J. Mohammad Fikry (Hiroshima University), Shiori Masuda (SUBARU Corp.), Yusuke Shibuya (SUBARU Corp.), Naoyuki Sekine (SUBARU Corp.), Shinji Ogihara (Tokyo University of Science)
11:50 - 13:00	Lunch		

General Session 2 (Materials 2) Chair: M. J. Mohammad Fikry		Student Award Session 3 Chair: Mio Sato	
13:00 - 13:20	(GS-04) MECHANISTIC INFLUENCE OF GNP/SIC HYBRID NANOREINFORCEMENT ON MOISTURE UPTAKE IN EPOXY ADHESIVES Nur Zalikhah Khalil (Universiti Teknologi Malaysia), Kimiyoshi Naito (NIMS), Holger Fricke (IFAM, Germany)	13:00 - 13:15	(S-11) WRINKLE FORMATION IN CFRP CO-BONDING PROCESS: MECHANISM AND SUPPRESSION Shoma Mori (The University of Tokyo), Shu Minakuchi (The University of Tokyo)
13:20 - 13:40	(GS-05) EFFECT OF ETHYLENE-VINYL ACETATE (EVA) COPOLYMER LOADING ON THE MECHANICAL PROPERTIES OF EVA/POLYBUTYLENE SUCCINATE (PBS) BLENDS M.N.A. Nordin (Universiti Malaysia Melaka), A.M.A. Shamsuri (Universiti Malaysia Melaka), B.R. Mizah (Universiti Malaysia Melaka), M.S. Zakaria (Universiti Malaysia Melaka)	13:15 - 13:30	(S-12) GENERATIVE 3D MICROSTRUCTURE OUTPAINTING FOR EFFICIENT X-RAY CT CHARACTERIZATION OF CFRTPS Te Rong (The University of Tokyo), Fan Zhang (The University of Tokyo), Yi Wan (The University of Tokyo), Jun Takahashi (The University of Tokyo)
13:40 - 14:00	(GS-06) THE EFFECT OF HIGH CRYSTALLIZED EPOXY ON THE PROPERTIES OF GRAPHENE-EPOXY NANOCOMPOSITES Itak Tabrizi Vala (Waseda University), Saya Shiono (Waseda University), Ayumu Morita (Waseda University), Haruki Kuwata (Waseda University), Jonathon David Tanks (National Institute for Materials Science), Yoshihiko Arai (Waseda University)	13:30 - 13:45	(S-13) BOND STRENGTH OF BONDED CFRP TO STEEL MEMBERS BY VARTM METHOD : EFFECT OF TAPERED PART AND FLAT BONDED LENGTH Mikito Nishiguchi (National Institute of Technology Kure college), Koki Onaka (National Institute of Technology Kure college), Genki Mieda (National Institute of Technology Kure college)
		13:45 - 14:00	(S-14) MECHANISM OF GLASS TRANSITION TEMPERATURE ENHANCEMENT IN MULTICOMPONENT EPOXY RESINS: ROLE OF INTERMOLECULAR INTERACTIONS Yuuki Kinugawa (Tohoku University), Yoshiaki Kawagoe (Tohoku University), Keigo Matsumoto (Nissan Chemical Corporation), Masashi Ohno (Nissan Chemical Corporation), Shoko Mishima (Tohoku University), Takahiko Kawai (Tohoku University), Tomonaga Okabe (Tohoku University)
14:00 - 14:15	Coffee Break @ Gallery2 (B1F)		
General Session 3 (Materials 3) Chair: Sho Kajihara		Student Award Session 4 Chair: Shintaro Kamiyama	
14:15 - 14:35	(GS-07) SOUND INSULATION PERFORMANCE OF 3D WOVEN SANDWICH COMPOSITES WITH VARYING CORE LAYERS AND FOAM ADDITION Riza Wirawan (Institut Teknologi Bandung), S Faustafarrel Q (Institut Teknologi Bandung), Hermawan Judawisatra (Institut Teknologi Bandung), Anugrah Sudarsono (Institut Teknologi Bandung)	14:15 - 14:30	(S-15) EFFECTS OF TOW WAVINESS ON COMPRESSION FAILURE OF THERMOPLASTIC NON-CRIMP FABRIC LAMINATES: A MULTISCALE EXPERIMENTAL-NUMERICAL STUDY Kota Oine (Tohoku University), Kazuki Ryuzono (Tohoku University), Yamato Hoshikawa (Tohoku University), Tomonaga Okabe (Tohoku University)
14:35 - 14:55	(GS-08) CHARACTERISATION OF ALKALI-TREATED FURCRAEA FOETIDA FIBRES: MORPHOLOGY, INTERFACIAL INTERACTION, CHEMICAL COMPOSITION, AND THERMAL PROPERTIES S.M. Shahril (Universiti Malaysia Perlis), M.J.M. Ridzuan (Universiti Malaysia Perlis), M.S. Abdul Majid (Universiti Malaysia Perlis), Aris Widyo Nugroho (Universitas Muhammadiyah Yogyakarta), M.T.A. Rahman (Universiti Malaysia Perlis), M.N. Bariah (Universiti Malaysia Perlis).	14:30 - 14:45	(S-16) IN-SITU DEFORMATION MEASUREMENT OF THERMOPLASTIC COMPOSITE UNDER SEVERAL STAMP FORMING CONDITION USING EMBEDDED SHAPE SENSORS Kiichi Chikamori (The University of Tokyo), Shu Minakuchi (The University of Tokyo)
14:55 - 15:15	(GS-09) NEXT-GENERATION POLYMER COMPOSITES FOR EXTREME ENVIRONMENT ENERGY SYSTEMS Jun Hang Chia (Agency for Science), Ice Si Yin Tee (Agency for Science)	14:45 - 15:00	(S-17) EFFECTS OF THE LOW-EARTH-ORBIT ULTRAVIOLET ENVIRONMENT ON 3D-PRINTED CF/PEEK AND PEEK Nagi Masuda (Nihon University), Kei-ichi Okuyama (Nihon University), Rina Ishibashi (Nihon University), Shun Yokota (Nihon University)
		15:00 - 15:15	(S-18) THERMODYNAMICALLY CONSISTENT CONSTITUTIVE MODELING OF SELF-HEALING MATERIALS AND EXPERIMENTAL VALIDATION Takayu Nishioka (The University of Tokyo), Ryo Higuchi (The University of Tokyo), Yu Zusho (The University of Tokyo), Tomohiro Yokozeki (The University of Tokyo), Tong-Earn Tay (National University of Singapore), Vincent Beng Chye Tan (National University of Singapore), Takaya Suzuki (Teijin Limited)
15:15 - 15:35	(GS-10) DAMAGE AND FRACTURE OF DOUBLE-DOUBLE LAMINATES UNDER OPEN-HOLE TENSILE AND BENDING LOADING Xiang Li (Tongji University), Jie Zhi (Tongji University), Bin Yang (Tongji University)	15:15 - 15:30	(S-19) PHYSICALLY-ANALOGOUS GENERATION OF REPRESENTATIVE VOLUME ELEMENTS FOR CHOPPED CARBON FIBER REINFORCED THERMOPLASTICS Charles B. Castle (The University of Tokyo), Ryo Higuchi (The University of Tokyo), Xin Lu (The University of Tokyo), Tomohiro Yokozeki (The University of Tokyo)
15:35 - 15:50	Coffee Break @ Gallery2 (B1F)		
General Session 4 (Numerical Modeling 1) Chair: Go Masuda		General Sessions 5 (Functional and AI) Chair: Yu Zusho	
15:50 - 16:10	(GS-11) NUMERICAL INVESTIGATION OF THE INFLUENCE OF IMPACTOR SHAPE ON LOW-VELOCITY IMPACT DAMAGE IN COMPOSITE LAMINATES Manish Kumar (The University of Tokyo), Ryo Higuchi (The University of Tokyo), Xin Lu (The University of Tokyo), Tomohiro Yokozeki (The University of Tokyo)	15:50 - 16:10	(GS-15) ELECTROMECHANICAL AND THERMAL RESPONSE OF STRETCHABLE CONDUCTIVE POLYMER COMPOSITES B.R. Mizah (Universiti Teknikal Malaysia Melaka), M.N.A. Nordin (Universiti Teknikal Malaysia Melaka), F. Ananda (Universiti Teknikal Malaysia Melaka), M.M. Ghazaly (Universiti Teknikal Malaysia Melaka), N.F.B. Azmi (Universiti Teknikal Malaysia Melaka), M.H.M. Yusof (Fix & Go IT Specialist)
16:10 - 16:30	(GS-12) DEVELOPMENT OF DIRECT FE2 MODEL FOR FFF SHORT FIBER COMPOSITES Hongbo Huang (Tongji University), Vincent Beng Chye Tan (National University of Singapore), Jie Zhi (Tongji University)	16:10 - 16:30	(GS-16) LIGHTNING-STRIKE DAMAGE CHARACTERISATION IN CONDUCTIVE-RESIN CFRP COMPOSITES USING AN NDE DATA FUSION APPROACH Léa A.C. Lecointre (The University of Tokyo), Shin-ichi Takeda (JAXA), Tomohiro Yokozeki (The University of Tokyo)
16:30 - 16:50	(GS-13) MOLECULAR DYNAMICS SIMULATION OF THE INTERFACIAL PROPERTIES OF RECYCLED CARBON FIBER/ EPOXY COMPOSITES Nurun Nabi (Tokyo University of Science), Yutaka Oya (Tokyo Metropolitan University), Yutong Li (Tokyo University of Science), Jun Koyanagi (Tokyo University of Science)	16:30 - 16:50	(GS-17) AN ADAPTIVE ONLINE LEARNING FRAMEWORK FOR ACCELERATED FRACTURE ANALYSIS WITH COHESIVE ZONE MODEL Xin Lu (The University of Tokyo), Ryo Higuchi (The University of Tokyo), Tomohiro Yokozeki (The University of Tokyo)
16:50 - 17:10	(GS-14) OPTIMIZATION DESIGN AND PARAMETRIC ANALYSIS OF TYPE IV THERMOPLASTIC COMPOSITE HYDROGEN STORAGE PRESSURE VESSELS J.Z. Huang (National University of Singapore), V.B.C. Tan (National University of Singapore), T.E. Tay (National University of Singapore)	16:50 - 17:10	(GS-18) PRINTABLE HIERARCHICAL NANOCOMPOSITES SENSORS FOR CONFORMAL STRUCTURAL HEALTH MONITORING Anchalee Duongthipthewa (Beihang University), Kong Jingyu (Beihang University), Sha Yin (Beihang University)
18:00 - 20:00	Banquet @ Tokyo Dome Hotel		

Sep. 4, 2026, General Sessions			
Gallery1 (B1F)		Seminar Room (3F)	
8:30 -	Registration @ Gallery2 (B1F)		
General Session 6 (Numerical Modeling 2) Chair: Manish Kumar		General Session 7 (Mechanical Properties & Experimental Techniques) Chair: Go Masuda	
9:00 - 9:20	(GS-19) A MESO-SCALE FAILURE MODEL ACCOUNTING FOR TRANSVERSE SHEAR DEFORMATION INDUCED BY LONGITUDINAL COMPRESSIVE FAILURE Atushi Kondo (NIT), Wataru Mikami (Meiji Univ.), Yutaka Iwahori (Meiji Univ.), Eiich Hara (JAXA) Hisaya Katoh (JAXA)	9:00 - 9:20	(GS-23) EFFECT OF CARBON FIBER NONLINEAR ELASTIC BEHAVIOR ON THE 0° FLEXURAL STRENGTH OF UNIDIRECTIONAL CFRP Takuto Terai (TORAY Industries), Toru Ishikawa (TORAY Industries), Fumihiko Tanaka (TORAY Industries)
9:20 - 9:40	(GS-20) THE ROLE OF MICROMECHANICAL UNIT CELL CONFIGURATION IN TRANSVERSE DAMAGE PREDICTION OF UD COMPOSITES: A DIRECT FE ² APPROACH Muhammad Raihan Firdaus (Institut Teknologi Bandung), Tatacipta Dirgantara (Institut Teknologi Bandung), Satrio Wicaksono (Institut Teknologi Bandung), Annisa Jusuf (Institut Teknologi Bandung), Ditho Pulungan (Institut Teknologi Bandung), Vincent Beng Chye Tan (National University of Singapore)	9:20 - 9:40	(GS-24) STRUCTURAL ANALYSIS OF A COMPOSITE SHAFT FOR COOLING TOWER COUPLINGS Pongtorn Prombut (Kasetsart University), Vasin Chantasuttikul (Kasetsart University)
9:40 - 10:00	(GS-21) NUMERICAL ANALYSIS ON THERMOVISCOELASTIC PROPERTIES OF WOVEN CFRP Yuta Sunaga (The University of Tokyo), Sho Kajihara (Meiji University), Tomohiro Yokozeki (The University of Tokyo)	9:40 - 10:00	(GS-25) ACCELERATED WATER UPTAKE IN UNIDIRECTIONAL AND MULTIDIRECTIONAL CARBON/EPOXY COMPOSITES M.Y.J. Liew (University of Nottingham Malaysia), K.Y. Tshai (University of Nottingham Malaysia), A.B. Chai (University of Nottingham Malaysia), W.F.F. Wan Ali (Universiti Teknologi Malaysia), K.J. Wong (University of Nottingham Malaysia)
10:00 - 10:20	(GS-22) FEATURE-DRIVEN CONCURRENT OPTIMIZATION OF COMPOSITE TOPOLOGY AND FIBER ORIENTATION Lu Zhou (National University of Singapore), Weihong Zhang (National University of Singapore), Vincent Beng Chye Tan (National University of Singapore)	10:00 - 10:20	(GS-26) DETECTION OF WEAK BONDS IN COMPOSITE LAMINATES USING ULTRASONIC PHASED ARRAY TECHNIQUE Takashi Ike (Kyushu University), Shigeki Yashiro (Kyushu University), Sota Onodera (Kyushu University)
10:20 - 10:40	Coffee Break @ Gallery2 (B1F)		
General Session 8 (Aerospace Application) Chair: Yu Zusho		General Session 9 (Repair, Recycling, and Remanufacturing) Chair: Lea Lecointre	
10:40 - 11:00	(GS-27) DOVETAIL CRACK ARRESTER FOR SUPPRESSING DISBOND IN CFRP ADHESIVE JOINTS Takayuki Kuriyama (The University of Tokyo), Shu Minakuchi (The University of Tokyo)	10:40 - 11:00	(GS-31) AN ENHANCED VARIATIONAL PLY REFINEMENT METHOD FOR ACCURATE STRESS ANALYSIS OF COMPOSITE LAMINATES WITH COMPLEX INTERNAL STRUCTURES M. J. Mohammad Fikry (Hiroshima University), Vladimir Vinogradov (Newcastle University), Shinji Ogihara (Tokyo University of Science)
11:00 - 11:20	(GS-28) CHARACTERIZATION OF ADHESIVE JOINTS FOR APPLICATION IN CFRP SPACE DEPLOYABLE BOOMS Sho Kajihara (Meiji University), Koga Yamauchi (Meiji University), Yutaka Iwahori (Meiji University), Yuta Sunaga (The University of Tokyo), Tomohiro Yokozeki (The University of Tokyo), Akihito Watanabe(Sakase Adtech Co., Ltd)	11:00 - 11:20	(GS-32) RESHAPING OF LOCALISED VITRIMER AND THERMOSET MULTI-MATRIX FIBRE REINFORCED COMPOSITES Narongkorn Krajangsawadi (Kasetsart University), Lorenzo Di Marco (Politecnico di Milano), Riccardo Di Giovanni (Politecnico di Milano), Alessandro Milite (Politecnico di Milano), Marco L. Longana (Politecnico di Milano)
11:20 - 11:40	(GS-29) BUCKLING FAILURE CHARACTERISTICS OF LUNAR TOWER WITH CFRP OPEN CROSS-SECTION BI-STABLE BOOMS Naohiro Shioya (Meiji University), Sho Kajihara (Meiji University), Yutaka Iwahori (Meiji University), Yasuhiro Fuchita (Obayashi Corp.), Yoshitaka Takeuchi (Obayashi Corp.), Yasuyuki Miyazaki (JAXA), Ken Higuchi (Muran Institute of Technology), Ryoji Sakai (Sakase Adtech Co., Ltd), Akihito Watanabe (Sakase Adtech Co., Ltd)	11:20 - 11:40	(GS-33) RESIN FILM INFUSION FOR THE PRODUCTION OF HIGH-STRENGTH RECYCLED CARBON FIBER REINFORCED THERMOPLASTIC Sota Onodera (Kyushu University), Keisho Inoue (Kyushu University), Shintaro Takasuna (Hosei University), Mio Sato (Japan Aerospace Exploration Agency), Shigeki Yashiro (Kyushu University), Yuichi Ishida (Japan Aerospace Exploration Agency), Masumi Higashide (Hosei University)
11:40 - 12:00	(GS-30) OUT-OF-PLANE IMPACT DAMAGE OBSERVATIONS OF FDM 3D PRINTED CFRTF Kohji Suzuki (Chiba Institute of Technology)	11:40 - 12:00	(GS-34) MICROMECHANICS DATA-DRIVEN PREDICTION OF TRANSVERSE RESPONSES IN UNIDIRECTIONAL COMPOSITES Ditho Ardiansyah Pulungan (Institut Teknologi Bandung), Omar Al Faatih (Institut Teknologi Bandung), Jovian Melvern Setioputra (Institut Teknologi Bandung), Satrio Wicaksono (Institut Teknologi Bandung), Hermawan Judawisastra (Institut Teknologi Bandung)
12:00 - 12:10	Closing @ Gallery1 (B1F)		
Excursion			
12:10 - 18:00	JAXA Tsukuba Space Center 13:00 — Depart from the University of Tokyo 14:30 — Arrive at JAXA Tsukuba Space Center 15:00 — Tour begins 16:10 — Tour ends 18:00 — Arrive in Tokyo		

ADVANCED COMPOSITE MATERIALS

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