

Sep. 2, 2019 (morning)			
Room	A (221)	B (222)	C (223)
8:00 -	Registration		
8:45 - 8:50	Opening address		
8:50 - 9:40	Plenary Lecture (PL-01) Challenges to Carbon Fiber Innovation in Japan Kazuro Kageyama (Kanazawa Institute of Technology)		
9:40 - 10:30	Plenary Lecture (PL-02) Current Status and Future Trends of Carbon Fiber Composite Materials Technology Naoki Sugiura (Mitsubishi Chemical Corporation)		
10:30 - 11:00	Coffee Break/Poster Session @Exhibition Room		
Session	Mechanics and Processing of Discontinuous Fiber Composites Chair: Masahito Ueda	Numerical Modeling and Structural Design Chair: Akinori Yoshimura	Nano composites Chair: Shu Minakuchi
11:00 - 11:20	(1A-01) INTERFACIAL PROPERTIES OF ARAMID NYLON COMPOSITES <u>S. Niamlang</u> (Rajamangala University of Technology Thanyaburi), K. Nishitani, Y. Imai, A. Ohtani, H. Hamada	(1B-01) NUMERICAL SIMULATION OF TIME-DEPENDENT FAILURE BASED ON ENTROPY-DAMAGE VISCOELASTIC-PLASTIC MODEL FOR UNIDIRECTIONAL COMPOSITES <u>Jun Koyanagi</u> (Tokyo University of Science), Mio Sato	(1C-01) GLASS/EPOXY LAMINATES MODIFIED WITH EDGEFUNCTIONALIZED GRAPHENE <u>Liwen Wang</u> (Tokyo Institute of Technology), Jonathon D. Tanks, Yoshihiko Arao, Masatoshi Kubouchi
11:20 - 11:40	(1A-02) EVALUATION OF TENSILE PROPERTIES OF PRESSFORMED DISCONTINUOUS CFRTP PLATES <u>Makoto Ichiki</u> (Nagoya University), Harutaka Fujimura, Taisei Isogai, Mariko Terada, Atsuhiko Yamanaka, Akinori Yoshimura, Masahiro Arai, Hiromichi Shindou	(1B-02) MULTI-SCALE MODELLING OF DAMAGE PROPAGATION IN THIN-PLY CFRP LAMINATES <u>Ryo Higuchi</u> (The University of Tokyo), Ryoma Aoki, Tomohiro Yokozeki	(1C-02) STUDY ON IMPROVEMENT OF INTERFACIAL STRENGTH BETWEEN FIBER AND MATRIX RESIN BY GRAFTING CELLULOSE NANOFIBERS <u>Mouhamadou M. Sarr</u> (Kochi University of Technology), Hikaru Inoue, Tatsuro Kosaka
11:40 - 12:00	(1A-03) RECLAIMED CARBON FIBER-EPOXY PREPREG FOR DISCONTINUOUS FIBER MOLDING COMPOUND <u>Benjamin H. Rutz</u> (Toray Composite Materials America, Inc.), Pete George	(1B-03) ELASTIC-PLASTIC FINITE ELEMENT ANALYSIS ON THREE-POINT BENDING TESTS FOR THIN-PLY CFRP LAMINATES <u>Masaaki Nishikawa</u> (Kyoto University), Kohei Yamada, Satoru Yamamoto, Manato Kanesaki, Naoki Matsuda, Kazumasa Kawabe, Masaki Hojo	(1C-03) THERMO-MECHANICAL PROPERTIES OF ZrO ₂ /Ti FUNCTIONALLY GRADED MATERIALS FABRICATED USING VARIOUS CONSOLIDATION TECHNIQUES <u>Hideaki Tsukamoto</u> (Hosei University)
12:00 - 12:20	(1A-04) MECHANICAL PROPERTIES OF GFRP PLATE FABRICATED BY HAND LAY UP METHOD N. Sugiyama, K. Nishitani, <u>S. Kato</u> (Kyoto Institute of Technology), Y. Fujii, N. O-Charoen, P. Sirisuwan	(1B-04) NUMERICAL MODEL OF FATIGUE DAMAGE IN COMPOSITE LAMINATES CONSIDERING PLY THICKNESS EFFECTS <u>Ryoma Aoki</u> (The University of Tokyo), Ryo Higuchi, Tomohiro Yokozeki	(1C-04) EPOXY-BASED POLYMER GEL ELECTROLYTE FOR SOLID STATE SUPERCAPACITORS <u>B. M. Jung</u> (Korea Institute of Materials Science), S. J. Kwon, J.R. Choi, S. -B. Lee
12:20 - 13:20	Lunch		

Sep. 2, 2019 (afternoon)			
Room	A (221)	B (222)	C (223)
13:20 - 14:10	Plenary Lecture (PL-03) Coal to Carbon Fiber — New Perspectives. Brent Strong (Brigham Young University)		
14:10 - 15:00	Plenary Lecture (PL-04) Development of PAN-based Carbon Fiber: Past-Present-Future Kennichi Yoshioka (Toray Industries, Inc.)		
15:00 - 15:30	Coffee Break/Poster Session @Exhibition Room		
Session	Automotive Applications Chair: Jun Koyanagi	Numerical Modeling and Structural Design Chair: Masaaki Nishikawa	Experimental Characterization Chair: Makoto Ichiki
15:30 - 15:50	(1A-05) DEVELOPMENT OF HIGH TG THERMOPLASTIC EPOXY RESIN AND IMPACT PROPERTIES OF CFRTP USING IT AS THE MATRIX <u>Hirofumi Nishida</u> (Kanazawa Institute of Technology), Kiyoshi Uzawa, Daichi Kaji, Norio Hirayama	(1B-05) PRIMO PREPREG INSERT MOLDING Badin Pinpathomrat, K. Nishitani, G. Fortin, S. Kato, H. Hamada, S. Mathurosemontri, <u>N. O-Charoen</u> (Rajamangala University of Technology Thunyaburi)	(1C-05) EXPERIMENTAL EVALUATION OF GAS PERMEABILITY OF THIN-PLY CFRP LAMINATES UNDER BIAXIAL LOADING <u>Hitoshi Hamori</u> (The University of Tokyo), Hisashi Kumazawa, Tomohiro Yokozeki
15:50 - 16:10	(1A-06) UNIDIRECTIONAL THERMOPLASTIC COMPOSITES OF GLASS FIBER REINFORCED NYLON 6 FABRICATED BY PULTRUSION MOLDING <u>Anin Memon</u> (Rajamangala University of Technology Thunyaburi), Supaaek Pramoonmak, Ponlapath Tipboonsri, Montip Lowsuriyonta, Jirawat Jai-u, Hiroki Hamada	(1B-06) NUMERICAL STUDY OF CFRP BISTABLE OPEN SECTIONAL PARTIAL CYLINDRICAL BEAM <u>Sho Kajihara</u> (The University of Tokyo), Takahira Aoki	(1C-06) IMPROVEMENT OF TRANSVERSE CRACK BEHAVIOR OF CROSS-PLY CFRP PROCESSED WITH NANOSECOND UV LASER PULSES <u>Masahiro Moriyama</u> (The University of Tokyo), Shuntaro Tani, Atsushi Kosuge, Isao Ito, Zhigang Zhao, Takashi Hira, Yohei Kobayashi, Hiroharu Tamaru, Norikatsu Mio, Makoto Kuwata-Gonokami, Junji Yumoto
16:10 - 16:30	(1A-07) RFI PROCESSING FOR CFRP-ALUMINUM HYBRIDCOMPOSITES SHAFT FOR THE AUTOMOTIVE Jin-Woo Yi, Jung Su Im, Yoon Kyeong Jo, Gyu Sun Choi, Moon-Kwang Um, <u>Sang-Woo Kim</u> (Korea Institute of Material Science)	(1B-07) STABILITY OF SKIN ADDED RIB-BONDING TYPE LATTICE STRUCTURES <u>Fukunin Tou</u> (The University of Tokyo), Takahira Aoki, Tomohiro Yokozeki	(1C-07) PERTURBATION ANALYSIS FOR MICROSCOPIC IMPERFECTION IN THE CFRP LAMINATES <u>Akinori Yoshimura</u> (Nagoya University), Takanori Sugiura, Keita Goto, Masahiro Arai
16:30 - 17:00	Coffee Break/Poster Session @Exhibition Room		
17:00 - 18:00	Plenary Lecture (PL-05) Enhancement of Lightweight Design and Production Processes in Aircraft and Automotive Industry by Advanced SMC Christian-Andre Keun (Comprisetec GmbH)		

Sep. 3, 2019 (morning)				
Room	A (221)	B (222)	C (223)	D (212)
8:00 -	Registration			Student Session (8:40 - 10:15)
8:50 - 9:40	Plenary Lecture (PL-06) Aerospace Composite Applications: Past-Present-Future James Thomas (Boeing Research & Technology)			Student Presentation (S-01 - S-11) Company Introduction 1 (IHI Corporation) Company Introduction 2 (Amino Corporation)
9:40 - 10:30	Plenary Lecture (PL-07) Composites and Design: How Science, Engineering and Creativity Lead to Exciting Innovations Ignaas Verpoest (Catholic University of Leuven)			
10:30 - 11:00	Coffee Break/Student Session @Exhibition Room			Student Session @Exhibition Room (10:15-11:00, S-01 - S-11)
Session	Polymer Matrix Composite 1 Chair: Ryo Higuchi	Textiles and Textile Composite Materials/ MMC, CMC, C/C, High-Temperature Applications Chair: Yi Wan	Automotive Composites 1 Chair:	Student Session
11:00 - 11:20	(2A-01) LIGHTWEIGHT CARBON NANOTUBE CONDUCTOR WITH HIGH ELECTRICAL CONDUCTIVITY FOR SCALE-UP MANUFACTURING AND CONDUCTIVE FIBRE REINFORCED COMPOSITE APPLICATION STUDY <u>Songlin Zhang</u> (Florida State University), Jin Gyu Park, Nam Nguyen, Claire Jolowsky, Ayou Hao, and Richard Liang	(2B-01) BENDING PROPERTIES OF SQUARE BRAIDED COMPOSITES <u>M. Kikuchi</u> (Laboratory of Braid and Textile), K. Nishitani, H. Hamada, M. Ueda	(2C-01) MOLDING MACHINE AND MOLDING TECHNOLOGY FOR COMPOSITE MATERIAL OF SATOH MACHINERY <u>Masaki Ohishi</u> (Sato Machinery Works Co., Ltd.)	Company Introduction 3 (Uchida Co., Ltd.) Student Presentation (S-12 - S-21) Company Introduction 4 (TEIJIN, Ltd.)
11:20 - 11:40	(2A-02) POLYANILINE-BASED CONDUCTIVE LAYER ON GFRP COMPOSITES FOR STRAIN MONITORING <u>Sukanta Das</u> (The University of Tokyo), Tomohiro Yokozeki	(2B-02) EFFECTS OF NEEDLE PUNCHING ON JUTE/GLASS HYBRID COMPOSITES PROPERTIES <u>K. Nishitani</u> (Kyoto Institute of Technology), H. Hamada, P. A. Sommai	(2C-02) The EFFECTS OF INTERFACE PROPERTIES ON MECHANICAL PROPERTIES OF CARBON FIBER REINFORCED COMPOSITE ~DNC'S EFFORTS TO REDUCE THE WEIGHT OF AUTOMOTIVE PARTS~ <u>Yuki Mochizuki</u> (Daikyonishikawa Corporation), Nobuyoshi Kajioaka, Tetsuya Tujii, Asami Nakai	
11:40 - 12:00	(2A-03) LIFE CYCLE MONITORING OF MOISTURE ABSORPTION/DESORPTION AND DEFORMATION OF CFRP <u>Kenichi Nakamura</u> (Tokyo University of Science), Shu Minakuchi, Tadahito Mizutani, Shinji Ogihara, Nobuo Takeda	(2B-03) PREPARATION AND CHARACTERIZATION OF CARBON FIBER / ZINC - ALUMINUM BASED SOLDER COMPOSITES <u>Gen Sasaki</u> (Hiroshima University), Hodaka Kihara, Kenjio Sugio	(2C-03) HIGH PRODUCTIVITY TECHNOLOGY FOR COMPRESSION MOLDING PROCESS -RECENT ADVANCEMENT OF PREPREG COMPRESSION MOLDING AND CARBON SMC- Mattia Andolfatto, <u>Hisashi Toyama</u> (Cannon.S.p.A)	
12:00 - 12:20	(2A-04) ACHIEVING MULTIFUNCTIONALITY IN FIBRE COMPOSITE PARTS THROUGH MODIFICATION OF PROCESS AND MATERIAL <u>Widyanto Surjoseputro</u> (Mahr Metering Systems GmbH), Gerhard Ziegmann, Dilmurat Abliz	(2B-04) FABRICATION OF STEEL REINFORCED MAGNESIUM COMPOSITE <u>Arnold G. Heryanto</u> (Hiroshima University), Gen Sasaki		
12:20 - 13:20	Lunch			

Sep. 3, 2019 (afternoon)				
Room	A (221)	B (222)	C (223)	D (212)
Session	Composite Manufacturing Chair: Gen Sasaki	Aerospace Application Chair: Yuichiro Aoki	Automotive Composites 2 Chair:	Student Session
13:20 - 13:40	(2A-05) MECHANICAL PROPERTIES OF PULTRUDED SQUARE PIPE G. Fortin, K. Nishitani, S. Kato, Y. Imai, <u>H. Hamada</u> (Chuo Business Group), A. Memon	(2B-05) LOAD CONTROL OF WING LIFT DISTRIBUTION USING MORPHING WING STRUCTURES <u>Yusuke Tashiro</u> (The University of Tokyo), Tomohiro Yokozeki, Masato Tamayama	(2C-04) DEVELOPMENT OF CFRP HIGH-CYCLE MOLDING TECHNOLOGY FOR AUTOMOBILE IN KURIMOTO, LTD. <u>Takehisa Fukui</u> (KURIMOTO, Ltd.), Kenichi Horai	Company Introduction 5 (Maruhachi Corporation) Student Presentation (S-22 - S-29) Company Introduction 6 (Shikibo, Ltd..)
13:40 - 14:00	(2A-06) MECHANICAL PROPERTIES OF CFRTP PANEL AND THIN WALLED TUBE MADE BY MIXED USE OF NONWOVEN FABRICS AND CONTINUOUS FIBER MATERIALS <u>Hirohito Hira</u> (Daido University), Shutaro Machiya, Masafumi Yoshida, Makoto Harada	(2B-06) EFFECT OF LIGHTNING DAMAGE ON THE COMPRESSIVE BEHAVIOR OF CFRP STIFFENED PANELS <u>Toshiki Daicho</u> (Nagoya University), Makoto Ichiki, Atsuhiko Yamanaka, Yoshiyasu Hirano, Takeo Sonehara, Koji Sawaki, Masahiro Arai, Takashi Ishikawa	(2C-05) CARBON FIBER REINFORCED PLASTICS USING SEMI-AROMATIC POLYAMIDE AND THERMOPLASTIC POLYIMIDE <u>Nobuhiko Matsumoto</u> (Mitsubishi Gas Chemical), Yuki Sato, Toshihiro Motochika, Keisuke Ide, Asami Nakai	
14:00 - 14:20	(2A-07) PuriCoat - a low-emission solvent-free material platform enabling high volume production of exterior composite parts <u>Lars Friedrich</u> (Hexion GmbH), Manuel Seize	(2B-07) LAYERWISE HYBRID LAMINATES FOR LIGHTNING STRIKE PROTECTION <u>Siwat Manomaisantiphap</u> (The University of Tokyo), Tomohiro Yokozeki	(2C-06) DEVELOPMENT OF THE INNOVATIVE TECHNOLOGIES USING MODEL BASED RESEARCH <u>Kazuhisa To</u> (Hiroshima University, Mazda Motor Corporation)	
14:20 - 14:40	(2A-08) NEWLY DEVELOPED CASTING ALLOYS OF LOW THERMAL EXPANSION FOR CFRP MOLDING DIE <u>Shin Utsunomiya</u> (National Astronomical Observatory of Japan), Haruhisa Ohno, Naoki Sakaguchi, Kotaro Ona	(2B-08) EXPERIMENTAL INVESTIGATION OF DEPLOYMENT FORCE OF FOLDABLE SHELL EXTENDIBLE TUBE <u>Yuki Doto</u> (The University of Tokyo), Takahira Aoki, Tomohiro Yokozeki, Akihito Watanabe		
14:40 - 15:40	Coffee Break/Student Session @Exhibition Room			Student Session @Exhibition Room (S-12 - S-29)
15:40 - 16:30	Plenary Lecture (PL-08) Composites Development for Aero-engines Hideo Morita (IHI Corporation)			
16:30 - 17:20	Plenary Lecture (PL-09) Feature and Recent Trends of Composites Research Performed in Japan Takashi Ishikawa (Nagoya University)			
18:00 - 20:00	Party @ Sanjyo-Kaikan			

Sep. 4, 2019

Room	A (221)	B (222)	C (223)
8:00 -	Registration		
Session	COI-KIT project :The innovative high cycle / continuous forming Chair: Kiyoshi Uzawa	Polymer Matrix Composite 2 Chair: Tetsuya Morimoto	Automotive Composites 3 Chair:
8:50 - 9:10	(3A-01) NEW INITIATIVES IN INNOVATIVE MATERIALS AND MANUFACTURING TECHNOLOGIES FOR CONSTRUCTION OF NEXT-GENERATION INFRASTRUCTURE <u>Yoshihiro Saito</u> (Kanazawa Institute of Technology), Junji Tanaka, Kiyoshi Uzawa	(3B-01) PHENOLIC-MODIFIED POLYANILINE RESIN FOR CONDUCTIVE CFRP COMPOSITE APPLICATION <u>Yu Zhou</u> (The University of Tokyo), Tomohiro Yokozeki	(3C-01) AUTOMOTIVE COMPOSITE AUTOMATION SOLUTIONS <u>Alexandre Hamlyn</u> (Coriolis Composites)
9:10 - 9:30	(3A-02) PROCESS SIMULATION FOR CONTINUOUS ORGANO SHEET PRODUCTION PROCESS USING DOUBLE BELT PRESS <u>Junichi Kitada</u> (Innovative Composite Center), Osuke Ishida, Katsuhiko Nunotani, Kiyoshi Uzawa	(3B-02) STRUCTURAL DESIGN OF CORRUGATED MORPHING WING FOR LOAD CONTROL <u>Kensuke Soneda</u> (The University of Tokyo), Tomohiro Yokozeki, Taro Imamura, Natsuki Tsushima	
9:30 - 9:50	(3A-03) IMPREGNATION AND FLOW ANALYSIS UNDER ROLLERS IN DOUBLE BELT PRESS <u>Osuke Ishida</u> (Kanazawa Institute of Technology), Junichi Kitada, Yoshihiro Aono, Katsuhiko Nunotani, Kiyoshi Uzawa	(3B-03) CHARACTERIZATION OF DAMAGE BEHAVIOR IN THINPLY COMPOSITES WITH VARIOUS PLY THICKNESS UNDER IN-PLANE TENSILE LOADING <u>Xiawan Hua</u> (The University of Tokyo), Ryoma Aoki, Yayoi Kobayashi, Ryo Higuchi, Tomohiro Yokozeki	(3C-02) IMPROVING MULTIPLE FILAMENT WINDING TECHNOLOGY <u>Tadashi Uozumi</u> (Murata Machinery, Ltd.)
9:50 - 10:10	(3A-04) RELATIONSHIP BETWEEN TENSILE PROPERTIES AND FIBER ORIENTATION AFTER PRESS FORMING OF DISCONTINUOUS CARBON FIBER REINFORCED THERMOPLASTIC COMPOSITE <u>Takehiro Shirai</u> (Kanazawa Institute of Technology), Kiyoshi Uzawa	(3B-04) EFFECT OF POLYURETHANE DISPERSION AS SURFACE TREATMENT FOR CARBON FABRICS ON CF/PA6 COMPOSITES <u>Junsong An</u> (The University of Tokyo), Tomohiro Yokozeki	(3C-03) DEVELOPMENT OF NEW HEAT RESISTANT POLYAMIDE FIBER; PA9T FIBER Shohei TSUNOFURI (KURARAY CO.,LTD), Ryohei ENDO
10:10 - 10:30	(3A-05) THE STUDY OF CFRTMP MOLDING USING IN SITU -POLYMERIZING THERMOPLASTIC EPOXY <u>Wataru Okumura</u> (Industrial Research Institute of Ishikawa), Hirofumi Nishida, Etsuro Sugimata, Hiroyuki Hasebe, Daisuke Mori, Kiyoshi Uzawa	(3B-05) EFFECTIVE COMPOSITE EDUCATION SYSTEM P. A. Sommai, K. Bhumkittipich, N. Sirisawat, N. O-Charoen, A. Memon, P.Sirisuwan, S. Niamlang, S. Mathurosemontri, <u>H. Hamada</u> (Chuo Business Group)	(3C-04) DEVELOPMENT OF COMMINGLED YARN AS PREPREG YARN FOR TEXTILE THERMOPLASTIC COMPOSITE <u>Toshihiro Motochika</u> (Kajirene Inc.), Keisuke Ide, Mitsuro Takagi
10:30 - 10:50	Coffee Break @Exhibition Room		
Session	COI-KIT project :The innovative high cycle / continuous forming Chair; Kimiyoshi Naito		Automotive Composites 4 Chair:
10:50 - 11:10	(3A-06) INFLUENCE OF WELDING TEMPERATURE ON ADHESION PERFORMANCE OF CFRTMP STRAND ROD-SOCKET <u>Yuya Takaiwa</u> (Innovative Composite Center), Katsuhiko Nunotani, Atsushi Hokura, Shiro Noguchi, Nobuaki Inui, Tadashi Sakuma, Kiyoshi Uzawa		(3C-05) STRUCTURAL SIMULATION OF CFRP FOR AUTOMOTIVE APPLICATION <u>Naito Tadashi</u> (Honda R&D Co., Ltd.)
11:10 - 11:30	(3A-07) TENSILE PROPERTIES OF HYBRID RODS AND ROPES UNDER STATIC AND FATIGUE LOADING <u>Kimiyoshi Naito</u> (National Institute for Materials Science), Hiroyuki Oguma, Jonathon Tanks, Kiyoshi Usawa		
11:30 - 11:50	(3A-08) EVALUATION OF TENSILE STRENGTH AND BOND STRENGTH THERMOPLASTIC FRP RODS IN CONCRETE <u>Atsushi Hokura</u> (Kanazawa Institute of Technology), Shinichi Miyazato		(3C-06) SMART SOLUTIONS FOR FUTURE MOBILITY <u>Sebastian Grasser</u> (SGL Technologies GmbH)
11:50 - 12:10	(3A-09) THE MECHANICAL PROPERTIES OF FRP RODS MOLDED BY ULTRA-HIGH SPEED PULTRUSION <u>Hisai Ueda</u> (Kanazawa Institute of Technology), Hiroshi Yamashita, Hiroki Matsumoto, Nobuaki Inui, Kiyoshi Uzawa		
12:10 - 12:30	(3A-10) COMPARISON OF FORMING-SIMULATION AND EXPERIMENT FOR THE EASY BEND-FORMING OF CFRTMP <u>Katsuhiko Nunotani</u> (Kanazawa Institute of Technology), Kiyoshi Uzawa		DISCUSSION ABOUT FRP FOR AUTOMOTIVE STRUCTURAL PARTS

Poster Session

The Poster session will also be held in Room E at 10:30-11:00 and 15:00-15:30 on Monday September 2 although the poster can be hung to the poster stand during the Symposium period. Please remove the poster after the poster session before closing Room E at 18:00 on Monday September 2.

PO-01	DESIGN OF INTERMEDIATE SHAFT USING A CARBON TOW PREPREG COMPOSITES Sung-won Yoon (Research Institute of Medium & Small Shipbuilding), Je-hyoung Cho, Jong-rok Ha
PO-02	USING OF NATURAL FIBER/POLY(LACTIC ACID) COMPOSITE FOR INTERIOR DECORATION Sumonman Niamlang (Rajamangala University of Technology Thunyaburi), Siripong Ghamkuntod, Norapat Hansriwijit, Jatupon Maneenet
PO-03	TUBE MADE FROM POLYLACTIC ACID YARN AND SILK YARN BY FILAMENT WINDING TECHNIQUE Natee Srisawat (Rajamangala University of Technology Thunyaburi)
PO-04	DEGRADABLE THERMOSET MATRIX FOR RECYCLING STRUCTURAL POLYMER COMPOSITES Jin Woo Yi (Korea Institute of Materials Science), Sang-Woo Kim, Jung Wan Lee, Kang Eun Lee, Moon Kwang Um
PO-05	PREPARATION OF NANOSTRUCTURED MATERIALS FROM NATURAL THAI MINERAL FOR AMERISIUM-241 ABSORBER Wissanu Chareerntanom (Rajamangala University of Technology Thunyaburi), Sorapong Pavasupree
PO-06	POWER CONVERSION PROPERTY TEST METER OF THE DIGITAL TV ANTENNA Amnoiy Ruengwaree (Rajamangala University of Technology Thunyaburi), Watcharaphon Naktong, Sarin Chanramard
PO-07	DESIGN OF ENERGY STORAGE SYSTEM OF LIGHTWEIGHT ELECTRIC VEHICLE FOR ELDERLY SOCIETY Thanat Jensanyayut (Rajamangala University of Technology Thunyaburi), Krischonme Bhumkittipich, Sumonman Niamlang, Tetsunori Haraguchi, Hiroyuki Hamada
PO-08	SIMPLE LIGHTWEIGHT STRUCTURE DESIGN OF SMART ELECTRIC VEHICLE FOR ELDERLY SOCIETY Thanat Jensanyayut (Rajamangala University of Technology Thunyaburi), Pimnapat Bhumkittipich, Krischonme Bhumkittipich, Anin Memon, Tetsunori Haraguchi, Hiroyuki Hamada
PO-09	MECHANICAL STRENGTH OF FINGER ADHESIVE JOINT ON COMPOSITE LAMINATES Ryota Iwai (Meiji University), Shun Okamoto, Sunao Sugimoto, Yutaka Iwahori

Student Session

Students have 5min presentations in the Room D on September 3.

The Student poster session will also be held in Room E (Exhibition Room) on Tuesday September 3.

The poster schedule is as follows.

10:15-11:00 S-01 to S-011, 14:40-15:40 S-12 to S-29

Please remove the poster after the poster presentation on Tuesday September 3.

8:40 - 9:35	S-01	THERMAL RESPONSE OF CFRP LAMINATES DURING SIMULATED LIGHTNING STRIKE TESTING <u>Soushi Inomata</u> (Tokyo University of Agriculture and Technology), S. Kamiyama, A. Igarasi, Y. Hirano, T. Okada, T. Ogasawara
	S-02	STUDY ON OPTIMUM MOLDING CONDITIONS OF HYBRID MOLDING USING STITCHING TECHNOLOGY <u>Xuanyu Sun</u> (Gifu University), Masaki Ohishi, Asami Nakai
	S-03	IN-SITU OBSERVATION OF RACK GROWTH BEHAVIOR IN FOAM CORE SANDWICH PANELS <u>Kota Nishioka</u> (Kanazawa Institute of Technology), Yasuo Hirose
	S-04	3D PRINTING OF A CONTINUOUS CARBON FIBER REINFORCED THERMOPLASTIC BY MEANS OF A 4-DEGREE-OF-FREEDOM DESKTOP 3D PRINTER <u>S. Kishimoto</u> (Nihon University), M. Ueda, M. Yamawaki
	S-05	EVALUATION OF THE EFFECTS OF CRACK STOPPER IN SANDWICH PANEL <u>Ibuki Hayashi</u> (The University of Tokyo), Takahira Aoki
	S-06	THE EFFECTS OF SEA WATER AND TEMPERATURE ON THE FLEXURAL PROPERTY OF CARBON FIBER REINFORCED POLYAMIDE 6 <u>Xiangdong He</u> (The University of Tokyo), Isamu Ohsawa, Yi Wan, Jun Takahashi
	S-07	EFFECTS OF TEMPERATURE ON CHOPPED CARBON FIBER TAPE REINFORCED THERMOPLASTIC PINNED JOINTS <u>L. Meng</u> (The University of Tokyo), I. Ohsawa, J. Takahashi
	S-08	CONCURRENT MEASUREMENT OF TEMPERATURE AND STRAIN DURING CURE PROCESS OF EPOXY FILM ADHESIVE USING TILTED FBG SENSOR <u>Shumpei Fujii</u> (Tokyo University of Agriculture and Technology), Masashi Sato, Itsuhiko Hirota, Shin-ichi Takeda, Toshio Ogasawara
	S-09	ANALYSIS OF SHOCK ABSORPTION OF UNDER FLOOR STRUCTURE OF AIRPLANE USING PLASTIC HINGE <u>Tomohiro Ukita</u> (The University of Tokyo), Takahira Aoki
	S-10	ULTRASONIC TESTING OF CFRP VESSELS HAVING GRADIENT PROPERTIES IN THE THICKNESS DIRECTION <u>Fumiaki Kamisaki</u> (Kobe City College of Technology), Akihiro Wada, Junzo Suzuki
	S-11	ONSET CONDITION OF GALVANIC CORROSION IN AL2017-CFRP BONDED STRUCTURES <u>Hiroki Kanno</u> (Tokyo University of Science), Tetsuya Morimoto, Shinji Ogihara
9:35 - 9:55	Company Introduction 1 (in Japanese) IHI Corporation	
9:55 - 10:15	Company Introduction 2 (in Japanese) Amino Corporation	
10:15 - 11:00	Coffee Break/Student Poster Session (S-01 to S-11) @Exhibition Room	

Student Session

11:00 - 11:20		Company Introduction 3 (in Japanese) Uchida Co., Ltd.
11:20 - 12:10	S-12	3D-PRINTING CONTINUOUS CARBON FIBER COMPOSITES WITH DIFFERENT FIBER VOLUME FRACTION <u>Masaya Okubo</u> (Nihon University), Ryo Omuro, Masahito Ueda
	S-13	CRUSHING CHARACTERISTICS OF RESIN HYBRID BRAIDED CFRP PIPES <u>Yukimasa Miwa</u> (Gifu University), Tadashi Uozumi, Asami Nakai
	S-14	EFFECTS OF FIBER PROPERTIES ON COMPOSITE WING DESIGN EVALUATED BY MULTISCALE ANALYSIS <u>Shugo Date</u> (Tohoku University), Yoshiaki Abe, Takeki Yamamoto, Tomonaga Okabe
	S-15	FLEXURAL PROPERTY AND ENERGY ABSORPTION ABILITY OF CPT/AWT HYBRID COMPOSITES <u>Jun Li, Bing Xiao</u> (The University of Tokyo), Hisaki Matsuda, Yi Wan, Isamu Ohsawa, Jun Takahashi
	S-16	ULTRASONIC TESTING OF CFRP LAMINATES WITH DISTRIBUTION OF CURE DEGREE IN THE THICKNESS DIRECTION <u>Masaya Matsuki</u> (Kobe City College of Technology), Akihiro Wada, Eiji Kitagawa
	S-17	VIBRATION ANALYSIS OF CFRP LATTICE STRUCTURE <u>Yoshimasa Iwata</u> (The University of Tokyo), Vipin Kumar, Tomohiro Yokozeki
	S-18	EFFECTS OF MOLDING CONDITIONS ON CRACK PROPAGATION OF COMPOSITES IN HP-RTM <u>Sakura Shibata</u> (Gifu University), Shinichi Okada, Asami Nakai
	S-19	PRELIMINARY STUDY ON FIBER ORIENTATION ANALYSIS OF MEDIUM-SCALE LOW-RESOLUTION IMAGES OF RECYCLED CARBON FIBER NONWOVENS <u>Takahiro Moriwaki</u> (Hosei University), Masumi Higashide, Sunao Sugimoto, Toshiya Nakamura, Kazuyoshi Arai
	S-20	MULTISCALE STRUCTURAL ANALYSIS FOR INTERLAMINAR TENSILE TESTS OF CFRP <u>Hirokazu Kurita</u> (University of Tsukuba), Tetsuya Matsuda, Masahiro Hojo
	S-21	DEVELOPMENT OF CONTINUOUS FORMING TECHNOLOGY OF L-SHAPED CFRTM MEMBER <u>Kouta Chikada</u> (Gifu University), Kazuki Hyodo, Masaki Ohishi, Asami Nakai
12:10 - 12:30		Company Introduction 4 (in Japanese) TEIJIN, Ltd.
12:30 - 13:20		Lunch
13:20 - 13:40		Company Introduction 5 (in Japanese) Maruhachi Corporation
13:40 - 14:20	S-22	SIC WHISKER/PARTICLE-REINFORCED MAGNESIUM COMPOSITES FABRICATED BY SPARK PLASMA SINTERING TECHNIQUES <u>Chang Sun</u> (Hosei University), Hideaki Tsukamoto
	S-23	IMPROVEMENT OF MOLDING SPEED FOR OPEN MOLDING METHOD USING MULTI-FILAMENT WINDING <u>Kazuma Otake</u> (Gifu University), Tsukasa Mutoh, Natsuki Yamamoto, Asami Nakai
	S-24	CHARACTERIZATION OF CARBON NANOTUBE REINFORCED ALUMINUM COMPOSITES FABRICATED BY HOT ROLLING TECHNIQUES <u>Genki Toma</u> (Hosei University), Tomoharu Suzuki, Hideaki Tsukamoto
	S-25	MAGNESIUM-BASED COMPOSITES FABRICATED BY SPARK PLASMA SINTERING TECHNIQUES <u>Mitsuhiro Ueno</u> (Hosei University), Hideaki Tsukamoto
	S-26	A DEEP LEARNING BASED APPROACH FOR THE DETECTION OF DELAMINATION BETWEEN CFRP AND ITS STIFFENER BY GUIDED WAVE <u>Ryosuke Morita</u> (The University of Tokyo), Ryo Higuchi, Tomohiro Yokozeki
	S-27	ULTRASONIC DETECTION OF RESIN IMPREGNATION IN RESIN TRANSFER MOLDING <u>Akihiro Urano</u> (Kobe City College of Technology), Akihiro Wada, Kazuyoshi Waseda, Hiroya Yamamoto
	S-28	EVALUATION OF OXIDATION RESISTANCE PROPERTY OF CARON FIBER PAPER REINFORCED THERMOPLASTICS <u>Yiran Wang</u> (The University of Tokyo), Yi Wan, Isamu Ohsawa, Jun Takahashi
	S-29	IMPROVEMENT OF DYNAMIC MECHANICAL PROPERTIES OF CFRTM SANDWICH STRUCTURES <u>Yunqian Zhang</u> (The University of Tokyo), Bing Xiao, Yi Wan, Isamu Ohsawa, Jun Takahashi
14:20 - 14:40		Company Introduction 6 (in Japanese) Shikibo, Ltd.
14:40 - 15:40		Coffee Break/Student Session(S-12 to S-29) @Exhibition Room