

Sep. 2, 2019			
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		
	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 S.Niamlang, K. Nishitani (Kyoto Institute of Technology), Y. Imai, A. Ohtani, H. Hamada	(1B-01) NUMERICAL SIMULATION OF TIME-DEPENDENT FAILURE BASED ON ENTROPY-DAMAGE VISCOELASTIC-PLASTIC MODEL FOR UNIDIRECTIONAL COMPOSITES Jun Koyanagi (Tokyo University of Science), Mio Sato	(1C-01) GLASS/EPOXY LAMINATES MODIFIED WITH EDGEFUNCTIONALIZED GRAPHENE Liwen Wang (Tokyo Institute of Technology), Jonathon D. Tanks, Yoshihiko Arai, Masatoshi Kubouchi
11:20 - 11:40	(1A-02) EVALUATION OF TENSILE PROPERTIES OF PRESSFORMED DISCONTINUOUS CFRTP PLATES Makoto Ichiki (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 Ryo Higuchi (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 Mouhamadou M. Sarr (Kochi University of Technology), Hikaru Inoue, Tatsuuro Kosaka
11:40 - 12:00	(1A-03) RECLAIMED CARBON FIBER-EPOXY PREPREG FOR DISCONTINUOUS FIBER MOLDING COMPOUND Benjamin H. Rutz (Toray Composite Materials America, Inc.), Toshiya Kamae	(1B-03) ELASTIC-PLASTIC FINITE ELEMENT ANALYSIS ON THREE-POINT BENDING TESTS FOR THIN-PLY CFRP LAMINATES Masaaki Nishikawa (Kyoto University), Kohei Yamada, Satoru Yamamoto, Manato Kanesaki, Naoki Matsuda, Kazumasa Kawabe, Masaki Hojo	(1C-03) THERMO-MECHANICAL PROPERTIES OF ZrO2/Ti FUNCTIONALLY GRADED MATERIALS FABRICATED USING VARIOUS CONSOLIDATION TECHNIQUES Hideaki Tsukamoto (Hosei University)
12:00 - 12:20	(1A-04) SKILL TRANSFER IN HAND LAY-UP COMPOSITE PROCESSING -OPEN TO ROBOTIC PROCESSING- N. Sugiyama, K. Nishitani, S. Kato (Kyoto Institute of Technology), Y. Fujii, H. Hamada, N. O-Charoen, P. Sirisuwan	(1B-04) NUMERICAL MODEL OF FATIGUE DAMAGE IN COMPOSITE LAMINATES CONSIDERING PLY THICKNESS EFFECTS Ryoma Aoki (The University of Tokyo), Ryo Higuchi, Tomohiro Yokozeki	(1C-04) EPOXY-BASED POLYMER GEL ELECTROLYTE FOR SOLID STATE SUPERCAPACITORS B. M. Jung (Korea Institute of Materials Science), S. J. Kwon, J.R. Choi, S. - B. Lee
12:20 - 13:20	Lunch		
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		
15:00 - 15:30	Coffee Break/Poster Session @Exhibition Room		
	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 Hirofumi Nishida (Kanazawa Institute of Technology), Kiyoshi Uzawa, Daichi Kaji, Norio Hirayama	(1B-05) PRIMO PREPREG INSERT MOLDING Badin Pinpathomrat, K. Nishitani, G. Fortin, S. Kato (Kyoto Institute of Technology), H. Hamada, S. Mathurosemontri, N. O-Charoen	(1C-05) EXPERIMENTAL EVALUATION OF GAS PERMEABILITY OF THIN-PLY CFRP LAMINATES UNDER BIAXIAL LOADING Hitoshi Hamori (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 Anin Memon (Rajamangala University of Technology Thunyaburi), Supaatek Pramoonmak, Pontapath Tipboonsri, Montip Lowsuriyont, Jirawat Jai-u, Hiroaki Hamada	(1B-06) NUMERICAL STUDY OF CFRP BISTABLE OPEN SECTIONAL PARTIAL CYLINDRICAL BEAM Sho Kajihara (The University of Tokyo), Takahira Aoki	(1C-06) IMPROVEMENT OF TRANSVERSE CRACK BEHAVIOR OF CROSS-PLY CFRP PROCESSED WITH NANOSECOND UV LASER PULSES Masahiro Moriyama (The University of Tokyo), Shuntaro Tani, Atsushi Kosuge, Isao Ito, Zhigang Zhao, Takashi Hira, Yohei Kobayashi, Hiroharu Tamaru, Norikatsu Mjo, Makoto Kwata-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, Sang-Woo Kim (Korea Institute of Material Science)	(1B-07) STABILITY OF SKIN ADDED RIB-BONDING TYPE LATTICE STRUCTURES Fukunin Tou (The University of Tokyo), Takahira Aoki, Tomohiro Yokozeki	(1C-07) PERTURBATION ANALYSIS FOR MICROSCOPIC IMPERFECTION IN THE CFRP LAMINATES Akinori Yoshimura (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		

Sep. 3, 2019

Room	A (221)	B (222)	C (223)	D (212)
8:00 -	Registration			
8:50 - 9:40	Plenary Lecture (PL-06) Aerospace Composite Applications: Past-Present-Future James Thomas (Boeing Research & Technology)			Student Session (8:40 - 10:20)
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)			Student Presentation (S-01 - S-11) Company Introduction 1 (IHI Corporation) Company Introduction 2 (Amino Corporation)
10:30 - 11:00	Coffee Break/Student Poster Session @Exhibition Room			
	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 <u>Polowky</u> , <u>Avou Hao</u> , and <u>Richard Liang</u>	(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.)	
11:20 - 11:40	(2A-02) POLYANILINE-BASED CONDUCTIVE LAYER ON GFRP COMPOSITES FOR STRAIN MONITORING <u>Sukanta Das</u> (The University of Tokyo), <u>Tomohiro Yokozeki</u>	(2B-02) EFFECTS OF NEEDLE PUNCHING ON JUTE/GLASS HYBRID COMPOSITES PROPERTIES <u>K. Nishitani</u> (Kyoto Institute of Technology), <u>H. Hamada</u> , <u>P. A. Sommai</u>	(2C-02) Presentation by DaikyoNishikawa Corporation (TBD)	Company Introduction 3 (Uchida Co., Ltd.) Student Presentation (S-12 - S-21)
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), <u>Shu Minakuchi</u> , <u>Tadahito Mizutani</u> , <u>Shinji Ogihara</u> , <u>Nobuo Takeda</u>	(2B-03) PREPARATION AND CHARACTERIZATION OF CARBON FIBER / ZINC -ALUMINUM BASED SOLDER COMPOSITES <u>Gen Sasaki</u> (Hiroshima University), <u>Hodaka Kihara</u> , <u>Kenjo Sugio</u>	(2C-03) HIGH PRODUCTIVITY TECHNOLOGY FOR COMPRESSION MOLDING PROCESS -RECENT ADVANCEMENT OF PREPREG COMPRESSION MOLDING AND CARBON SMC- <u>Mattia Andolfatto</u> , <u>Hisashi Toyama</u> (Cannon.S.p.A)	Company Introduction 4 (TEIJIN, Ltd.)
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), <u>Gerhard Ziegmann</u> , <u>Dilmurat Abliz</u>	(2B-04) FABRICATION OF STEEL REINFORCED MAGNESIUM COMPOSITE <u>Arnold G. Heryanto</u> (Hiroshima University), <u>Gen Sasaki</u>		
12:20 - 13:20	Lunch			
	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 <u>G. Fortin</u> , <u>K. Nishitani</u> (Kyoto Institute of Technology), <u>S. Kato</u> , <u>Y. Imai</u> , <u>H. Hamada</u> , <u>A. Memon</u>	(2B-05) LOAD CONTROL OF WING LIFT DISTRIBUTION USING MORPHING WING STRUCTURES <u>Yusuke Tashiro</u> (The University of Tokyo), <u>Tomohiro Yokozeki</u> , <u>Masato Tamayama</u>	(2C-04) DEVELOPMENT OF CFRP HIGH-CYCLE MOLDING TECHNOLOGY FOR AUTOMOBILE IN KURIMOTO, LTD. <u>Takehisa Fukui</u> (KURIMOTO, Ltd.), <u>Kenichi Horai</u>	
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), <u>Shutaro Machiya</u> , <u>Masafumi Yoshida</u> , <u>Makoto Harada</u>	(2B-06) EFFECT OF LIGHTNING DAMAGE ON THE COMPRESSIVE BEHAVIOR OF CFRP STIFFENED PANELS <u>Toshiki Daicho</u> (Nagoya University), <u>Makoto Ichiki</u> , <u>Atsuhiko Yamanaka</u> , <u>Yoshiyasu Hirano</u> , <u>Takeo Sonehara</u> , <u>Koji Sawaki</u> , <u>Masahiro Arai</u> , <u>Takashi Ishikawa</u>	(2C-05) CARBON FIBER REINFORCED PLASTICS USING SEMI-AROMATIC POLYAMIDE AND THERMOPLASTIC POLYIMIDE <u>Nobuhiko Matsumoto</u> (Mitsubishi Gas Chemical), <u>Yuki Sato</u> , <u>Toshihiro Motochika</u> , <u>Keisuke Ide</u> , <u>Asami Nakai</u>	Company Introduction 5 (Maruhachi Corporation) Student Presentation (S-22 - S-29)
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), <u>Manuel Seize</u>	(2B-07) LAYERWISE HYBRID LAMINATES FOR LIGHTNING STRIKE PROTECTION <u>Siwat Manomalsantiphap</u> (The University of Tokyo), <u>Tomohiro Yokozeki</u>	(2C-06) Presentation by Mazda Motor Corporation (TBD)	Company Introduction 6 (Shikibo, Ltd..)
14:20 - 14:40	(2A-08) EFFECT OF STAMPING PARAMETERS ON PROCESSING FIBRE REINFORCED PLASTIC - METAL HYBRIDS <u>Vicky Reichel</u> (Technische Universität Braunschweig), <u>Klaus Dröder</u> , <u>Christian Klemt</u>	(2B-08) EXPERIMENTAL INVESTIGATION OF DEPLOYMENT FORCE OF FOLDABLE SHELL EXTENDIBLE TUBE <u>Yuki Doto</u> (The University of Tokyo), <u>Takahira Aoki</u> , <u>Tomohiro Yokozeki</u> , <u>Akihito Watanabe</u>		
14:40 - 15:00		(2B-09) NEWLY DEVELOPED CASTING ALLOYS OF LOW THERMAL EXPANSION FOR CFRP MOLDING DIE <u>Shin Utsunomiya</u> (National Astronomical Observatory of Japan), <u>Haruhisa Ohno</u> , <u>Naoki Sakaguchi</u> , <u>Kotaro Ona</u>		
15:00 - 15:40	Coffee Break/Student Poster Session @Exhibition Room			
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			

Room	A (221)	B (222)	C (223)
8:00 -	Registration		
	COI-KIT project :The innovative high cycle / continuous forming	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 (Kanazawa Institute of Technology), Junji Tanaka, Kiyoshi</u>	(3B-01) PHENOLIC-MODIFIED POLYANILINE RESIN FOR CONDUCTIVE CFRP COMPOSITE APPLICATION <u>Yu Zhou (The University of Tokyo), Tomohiro Yokozeki</u>	(3C-01) Presentation by Coriolis Composites (TBD)
9:10 - 9:30	(3A-02) PROCESS SIMULATION FOR CONTINUOUS ORGANO SHEET PRODUCTION PROCESS USING DOUBLE BELT PRESS <u>Junichi Kitada (Innovative Composite Center), Osuke Ishida, Katsuhiko Nunotani, Kiyoshi Uzawa</u>	(3B-02) STRUCTURAL DESIGN OF CORRUGATED MORPHING WING FOR LOAD CONTROL <u>Kensuke Soneda (The University of Tokyo), Tomohiro Yokozeki, Taro Imamura, Natsuki Tsushima</u>	
9:30 - 9:50	(3A-03) IMPREGNATION AND FLOW ANALYSIS UNDER ROLLERS IN DOUBLE BELT PRESS <u>Osuke Ishida (Kanazawa Institute of Technology), Junichi Kitada, Yoshihiro Aono, Katsuhiko Nunotani, Kiyoshi Uzawa</u>	(3B-03) CHARACTERIZATION OF DAMAGE BEHAVIOR IN THINPLY COMPOSITES WITH VARIOUS PLY THICKNESS UNDER IN-PLANE TENSILE LOADING <u>Xiawan Hua (The University of Tokyo), Rvoma Aoki, Yavoi Kobavashi, Ryo</u>	(3C-02) TREND OF HYDROGEN CYLINDERS PRODUCTION WITH ROBOT WINDER <u>Yuika Hasegawa (KADO Co., Ltd.), Yasunari Kuratani</u>
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 (Kanazawa Institute of Technology), Kiyoshi Uzawa</u>	(3B-04) EFFECT OF POLYURETHANE DISPERSION AS SURFACE TREATMENT FOR CARBON FABRICS ON CF/PA6 COMPOSITES <u>Junsong An (The University of Tokyo), Tomohiro Yokozeki</u>	(3C-03) IMPROVING MULTIPLE FILAMENT WINDING TECHNOLOGY <u>Tadashi Uozumi (Murata Machinery, Ltd.)</u>
10:10 - 10:30	(3A-05) THE STUDY OF CFRTP MOLDING USING IN SITU -POLYMERIZING THERMOPLASTIC EPOXY <u>Wataru Okumura (Industrial Research Institute of Ishikawa), Hirofumi Nishida, Etsuro Sugimata, Hiroyuki Hasebe, Daisuke Mori, Kiyoshi Uzawa</u>	(3B-05) EFFECTIVE COMPOSITE EDUCATION SYSTEM <u>P. A. Sommai, K. Bhumkittipich, N. Sirisawat, N. O-Charoen, A. Memon, P.Sirisuwan, S. Niamlang, S. Mathurosemontri, H. Hamada</u>	(3C-04) DEVELOPMENT OF COMMINGLED YARN AS PREPREG YARN FOR TEXTILE THERMOPLASTIC COMPOSITE <u>Toshihiro Motochika (Kajirene Inc.), Keisuke Ide, Mitsuro Takagi</u>
10:30 - 10:50	Coffee Break @Exhibition Room		
	COI-KIT project :The innovative high cycle / continuous forming		Automotive Composites 4 Chair:
10:50 - 11:10	(3A-06) PROPOSAL OF CFRTP ROD-END FIXING USING THERMAL WELDING METHOD AND ADHESION CHARACTERISTIC EVALUATION <u>Yuya Takaiwa (Innovative Composite Center), Kiyoshi Uzawa</u>		(3C-05) Presentation by Honda Motor Co., Ltd. (TBD)
11:10 - 11:30	(3A-07) TENSILE PROPERTIES OF HYBRID RODS AND ROPES UNDER STATIC AND FATIGUE LOADING <u>Kimiyoshi Naito (National Institute for Materials Science), Hiroyuki Ozuma, Jonathon Tanks, Kiyoshi Uzawa</u>		
11:30 - 11:50	(3A-08) EVALUATION OF TENSILE STRENGTH AND BOND STRENGTH THERMOPLASTIC FRP RODS IN CONCRETE <u>Atsushi Hokura (Kanazawa Institute of Technology), Shinichi Miyazato</u>		(3C-06) Presentation by SGL Carbon (TBD)
11:50 - 12:10	(3A-09) THE MECHANICAL PROPERTIES OF FRP RODS MOLDED BY ULTRA-HIGH SPEED PULTRUSION <u>Hisai Ueda (Kanazawa Institute of Technology), Hiroshi Yamashita, Hiroki Matsumoto, Nobuaki Inui, Kiyoshi Uzawa</u>		DISCUSSION ABOUT FRP FOR AUTOMOTIVE STRUCTURAL PARTS
12:10 - 12:30	(3A-10) COMPARISON OF FORMING-SIMULATION AND EXPERIMENT FOR THE EASY BEND-FORMING OF CFRTP <u>Katsuhiko Nunotani (Kanazawa Institute of Technology), Kiyoshi Uzawa</u>		

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 S. Inomata, S. Kamiyama, A. Igarasi, Y. Hirano, T. Okada, T. Ogasawara
	S-02	STUDY ON OPTIMUM MOLDING CONDITIONS OF HYBRID MOLDING USING STITCHING TECHNOLOGY Xuanyu Sun, Masaki Ohishi, Asami Nakai
	S-03	IN-SITU OBSERVATION OF RACK GROWTH BEHAVIOR IN FOAM CORE SANDWICH PANELS Nishioka Kota, Hirose Yasuo
	S-04	3D PRINTING OF A CONTINUOUS CARBON FIBER REINFORCED THERMOPLASTIC BY MEANS OF A 4-DEGREE-OF-FREEDOM DESKTOP 3D PRINTER S. Kishimoto, M. Ueda, M. Yamawaki
	S-05	EVALUATION OF THE EFFECTS OF CRACK STOPPER IN SANDWICH PANEL Ibuki Hayashi, Takahira Aoki
	S-06	THE EFFECTS OF SEA WATER AND TEMPERATURE ON THE FLEXURAL PROPERTY OF CARBON FIBER REINFORCED POLYAMIDE 6 Xiangdong He, Isamu Ohsawa, Yi Wan, Jun Takahashi
	S-07	EFFECTS OF TEMPERATURE ON CHOPPED CARBON FIBER TAPE REINFORCED THERMOPLASTIC PINNED L. Meng, I. Ohsawa, J. Takahashi
	S-08	CONCURRENT MEASUREMENT OF TEMPERATURE AND STRAIN DURING CURE PROCESS OF EPOXY FILM ADHESIVE USING TILTED FBG SENSOR Shumpei Fujii, Masashi Sato, Itsuhiko Hirota, Shin-ichi Takeda, Toshio Ogasawara
	S-09	ANALYSIS OF SHOCK ABSORPTION OF UNDER FLOOR STRUCTURE OF AIRPLANE USING PLASTIC HINGE Tomohiro Ukita, Takahira Aoki
	S-10	ULTRASONIC TESTING OF CFRP VESSELS HAVING GRADIENT PROPERTIES IN THE THICKNESS DIRECTION Fumiaki Kamisaki, Akihiro Wada, Junzo Suzuki
	S-11	ONSET CONDITION OF GALVANIC CORROSION IN AL2017-CFRP BONDED STRUCTURES Hiroki Kanno, 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
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 Masaya Okubo, Ryo Omuro, Masahito Ueda
	S-13	CRUSHING CHARACTERISTICS OF RESIN HYBRID BRAIDED CFRP PIPES Yukimasa Miwa, Tadashi Uozumi, Asami Nakai
	S-14	EFFECTS OF FIBER PROPERTIES ON COMPOSITE WING DESIGN EVALUATED BY MULTISCALE ANALYSIS Shugo Date, Yoshiaki Abe, Takeki Yamamoto, Tomonaga Okabe
	S-15	FLEXURAL PROPERTY AND ENERGY ABSORPTION ABILITY OF CPT/AWT HYBRID COMPOSITES Jun Li, Bing Xiao, Hisaki Matsuda, Yi Wan, Isamu Ohsawa, Jun Takahashi
	S-16	ULTRASONIC TESTING OF CFRP LAMINATES WITH DISTRIBUTION OF CURE DEGREE IN THE THICKNESS Masaya Matsuki, Akihiro Wada, Eiji Kitagawa
	S-17	VIBRATION ANALYSIS OF CFRP LATTICE STRUCTURE Yoshimasa Iwata, Vipin Kumar, Tomohiro Yokozeki
	S-18	EFFECTS OF MOLDING CONDITIONS ON CRACK PROPAGATION OF COMPOSITES IN HP-RTM Sakura Shibata, Shinichi Okada, Asami Nakai
	S-19	PRELIMINARY STUDY ON FIBER ORIENTATION ANALYSIS OF MEDIUM-SCALE LOW-RESOLUTION IMAGES OF RECYCLED CARBON FIBER NONWOVENS Takahiro Moriwaki, Masumi Higashide, Sunao Sugimoto, Toshiya Nakamura, Kazuyoshi Arai
	S-20	MULTISCALE STRUCTURAL ANALYSIS FOR INTERLAMINAR TENSILE TESTS OF CFRP Hirokazu Kurita, Tetsuya Matsuda, Masahiro Hojo
	S-21	DEVELOPMENT OF CONTINUOUS FORMING TECHNOLOGY OF L-SHAPED CFRTP MEMBER Kouta Chikada, 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 Chang Sun, Hideaki Tsukamoto
	S-23	IMPROVEMENT OF MOLDING SPEED FOR OPEN MOLDING METHOD USING MULTI-FILAMENT WINDING

	Kazuma Otake, Tsukasa Mutoh, Natsuki Yamamoto, Asami Nakai
S-24	CHARACTERIZATION OF CARBON NANOTUBE REINFORCED ALUMINUM COMPOSITES FABRICATED BY HOT Genki Toma, Tomoharu Suzuki, Hideaki Tsukamoto
S-25	MAGNESIUM-BASED COMPOSITES FABRICATED BY SPARK PLASMA SINTERING TECHNIQUES Mitsuhiro Ueno, Hideaki Tsukamoto
S-26	A DEEP LEARNING BASED APPROACH FOR THE DETECTION OF DELAMINATION BETWEEN CFRP AND ITS STIFFENER BY GUIDED WAVE Ryosuke Morita, Ryo Higuchi, Tomohiro Yokozeki
S-27	ULTRASONIC DETECTION OF RESIN IMPREGNATION IN RESIN TRANSFER MOLDING Akihiro Urano, Akihiro Wada, Kazuyoshi Waseda, Hiroya Yamamoto
S-28	EVALUATION OF OXIDATION RESISTANCE PROPERTY OF CARBON FIBER PAPER REINFORCED THERMOPLASTICS Yiran Wang, Yi Wan, Isamu Ohsawa, Jun Takahashi
S-29	IMPROVEMENT OF DYNAMIC MECHANICAL PROPERTIES OF CFRTP SANDWICH STRUCTURES Yunqian Zhang, 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

<u>Poster Session</u>	
<p>The Poster session will also be held in Room D 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 D at 18:00 on Monday September 2.</p>	
PO-01	<p>DESIGN OF INTERMEDIATE SHAFT USING A CARBON TOW PREPREG COMPOSITES Sung-won Yoon, Je-hyoung Cho, Jong-rok Ha</p>
PO-02	<p>USING OF NATURAL FIBER/POLY(LACTIC ACID) COMPOSITE FOR INTERIOR DECORATION Sumonman Niamlang, Siripong Ghamkuntod, Norapat Hansriwijit, Jatupon Maneenet</p>
PO-03	<p>TUBE MADE FROM POLYLACTIC ACID YARN AND SILK YARN BY FILAMENT WINDING TECHNIQUE Natee Srisawat</p>
PO-04	<p>DEGRADABLE THERMOSET MATRIX FOR RECYCLING STRUCTURAL POLYMER COMPOSITES Jin Woo Yi, Sang-Woo Kim, Jung Wan Lee, Kang Eun Lee, Moon Kwang Um</p>
PO-05	<p>PREPARATION OF NANOSTRUCTURED MATERIALS FROM NATURAL THAI MINERAL FOR AMERISIUM-241 Wissanu Charerntanom, Sorapong Pavasupree</p>
PO-06	<p>POWER CONVERSION PROPERTY TEST METER OF THE DIGITAL TV ANTENNA Amnoi Ruengwaree, Watcharaphon Naktong, Sarin Chanramard</p>
PO-07	<p>DESIGN OF ENERGY STORAGE SYSTEM OF LIGHTWEIGHT ELECTRIC VEHICLE FOR ELDERLY SOCIETY Thanat Jensanyayut, Krischonme Bhumkittipich, Sumonman Niamlang, Tetsunori Haraguchi, Hiroyuki</p>
PO-08	<p>SIMPLE LIGHTWEIGHT STRUCTURE DESIGN OF SMART ELECTRIC VEHICLE FOR ELDERLY SOCIETY Thanat Jensanyayut, Pimnapat Bhumkittipich, Krischonme Bhumkittipich, Anin Memon, Tetsunori Haraguchi, Hiroyuki Hamada</p>
PO-09	<p>MECHANICAL STRENGTH OF FINGER ADHESIVE JOINT ON COMPOSITE LAMINATES Ryota Iwai, Shun Okamoto, Sunao Sugimoto, Yutaka Iwahori</p>