

A Giant Bridge from Practice and High Volume to Science and High Performance



**Japan International SAMPE Symposium and Exhibition:
JISSE-13, Symposium Program
11 – 13, November 2013 at WINC Aichi, Nagoya**

Invitation to the 13th Japan International SAMPE Symposium & Exhibition (JISSE-13)

On behalf of the Symposium Committee of JISSE-13 in the Japan Chapter of SAMPE, we would like to invite you to contribute to JISSE-13 to be held in Nagoya, Japan from 11 (Mon.) to 13 (Wed.), in November 2013 at WINC Aichi Conference Hall (WACH), in front of JR Nagoya Station. This JISSE-13 is the first attempt in JISSE history to geographically separate a symposium and an exhibition and for the symposium to be held outside of Tokyo.

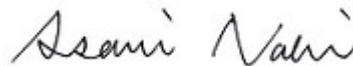
This symposium follows a long-lasting tradition of JISSE, the most balanced conference series between academia and practice. The world's leading composite engineers, designers and scientists keep attending JISSE series to present their newest findings in processing engineering and learn the latest achievements in new composite material technologies in these very active fields.

The symposium main theme is as follows: "A Great Bridge from Practice and High Volume to Academia and High Performance". This theme symbolizes a SAMPE principle in composites processing engineering to connect practical technologies and sciences, and reflects recent trends of growth of composites demands in automotive industries.

Takashi Ishikawa
Chair of the Symposium Committee
Professor, Nagoya University
Director, National Composites Center of Japan



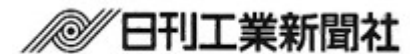
Asami Nakai
Vice Chair of the Symposium Committee
Professor, Gifu University



JISSE-13, Symposium Organizing Committee

Chair: Takashi Ishikawa, Nagoya University
Vice Chair: Asami Nakai, Gifu University
Member: Nobuo Takeda, Tokyo University
Yasuhiro Yamaguchi, KYC-Japan
Gaku Kimura, GH Craft Ltd.
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Yoshiaki Someya, Shonan Material Technology
Gen Ishikawa, ACM-NEO Co. Ltd.
Takashi Kimura, Mitsubishi Heavy Industries Ltd.
Toru Yamanaka, Toray Industries, Inc.
Yutaka Iwahori, Japan Aerospace Exploration Agency
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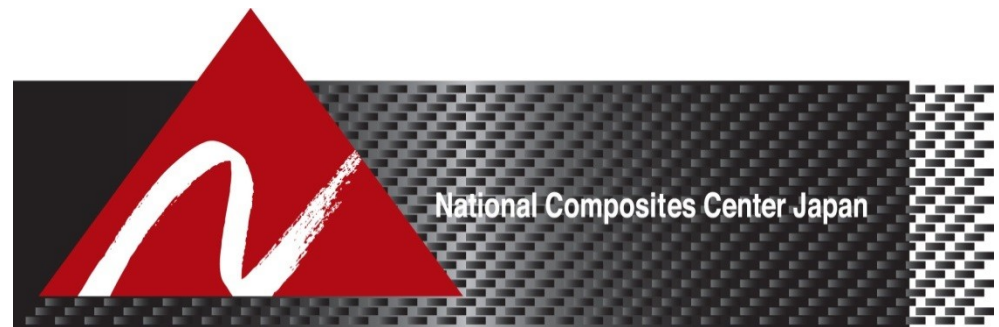


Courtesy of Mitsubishi Aircraft Corporation



VaRTM – Prepeg Hybrid Fuselage
Courtesy of JAXA

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Program at a Glance

	7:30-8:30	8:30	8:40 9:00 9:30	9:30 10:10	10:10 - 10:20	10:20 11:00	11:00 11:40 11:40 12:20	12:20 - 13:30	13:30 14:00	15:00 15:10	15:10 - 15:30	15:30 16:00	17:00 17:30	17:30 - 17:50	17:50 20:00
11/Nov./13(Mon)	Registration →														
Room A (805)	Opening Ceremony	Primary Plenary John J Tracy (Boeing)	Keynote Inaas Verpoest (KU Leuven)	Coffee Break	Keynote Murray R Scott (CRC-ACS)	Keynote Paolo Ermanni (ETH Zurig)	Keynote Hiromichi Koiwai (Mitsubishi Aircraft)	Lunch	Organized Session Structural Health Monitoring (RIMCOF Project)		Coffee Break	General Session Engineering Application		Break	Banquet (at Hotel Castle Plaza: Houou-no Ma, 4th Floor)
Room B (804)									General Session Lightening and Other Impact	General Session Novel Processing Technology					
Room C (803)									Tutorial: Scott W. Beckwith (Part I)	Coffee Break		Tutorial: Scott W. Beckwith (Part II) [by 16:50]			
Room F (908)									Organized Session A Future Challenging Technology			Organized Session A Future Challenging Technology			
Room G (907)									Student Competition Session			Sudent Competition Session			
	8:00-8:30	8:30	9:00 9:10 9:10	9:30 9:50	9:50 - 10:10	10:10 10:30	10:50 11:10 11:30 11:50	12:10 - 13:00	13:00 14:00	14:30 15:00	15:00 - 15:20	15:20 16:00	16:30 16:40		
12 /Nov./13 (Tue)	Registration →														
Room A (805)	Keynote Jun Takahashi (Tokyo University)	Keynote Axel Herrman (CFK Valley)	Coffee Break (Poster)	General Session Structural Behavior			Lunch (Later half: Poster)	General Session Delamination, Damage, and Micromechanics		Coffee Break	General Session Delamination, Damage, and Micromechanics		Adjourn		
Room B (804)				General Session New Polymer Development				General Session Green & Bio-Inspired Composites			General Sesion Ceramic Marx Composites & Ceramics				
Room C (803)				Organized Session A Future Challenging Technology				Organized Session A Future Challenging Technology			General Sesion Repair, Machining, & Corrosion				
Room F (908)				General Session Thermoplastic Composites				General Session Thermoplastic Composites			General Session Structural Health Monitoring and Non-Destructive Eval.				
Room G (907)				General Session Nanocomposites				General Session Macroscopic Properties			General Session Macroscopic Properties				
	8:30	Pick-up at the main hotel area					11:30 Lunch at Toray Premise			16:30 Return to the main hotel area					
13 /Nov./13 (Wed)	Post Conference Tour		Mitsubishi Aircraft (MRJ-90), Toray Automotive Center, and National Composite Center (Nagoya University) [Lunch is included in the fee.]												

Date:

Monday Morning

11/Nov./13 (Mon.)	Event Plenary & Keynote Session		Plenary & Keynote Session	
Room	Room A (805)		Room B (804)	
	Presenter's Name	Presentation Title	Presenter's Name	Presentation Title
Time: 7:30 ---	Registration	Floor 8	Floor 8 The final minutes changes after November 4 will be uploaded in our website.	
8:30 -- 8:40		Opening Ceremony		
		Primary Plenary Lecture (Chair: T.Ishikawa)		
8:40 -- 9:30	John J. Tracy (Boeing, USA)	Beyond the 787: Developing the Future of Structures and Materials, That Shape Aerospace	Mini-Exhibit Hours: Room D & E (10:00-17:30)	
		Keynote Lectures (Chair: T.Ishikawa)		
9:30 - 10:10	Ignaas Verpoest (Katholic U. Leuven, Bel.)	Thermoplastic Composites: New Developments Open the Way to More High Volume Applications	←	
10:10 -10:20	Coffee Break ↓ (Chair: A. Nakai)		Coffee Break	
10:20 - 11:00	Murray R. Scott (CRC-ACS: Australia)	Advanced Composite Structures Research, Development and Production in Australia	13:30 - 16:50 (Part I : - 15:00, Partt II: 15:20 -) Room C (803)	Tutorial: by Scott W. Beckwith, "Automated Fiber Placement (AFP) and Robotics Technology Overview"
11:00 - 11:40	Paolo Ermanni (ETH, Zurig, Switzerland)	Flow-Front Estimation and Online Permeability Mapping in RTM-Processes		For this tutorial, a separate fee from JISSE-13 registration must be required (JPY 10,000 or JPY 20,000). Please see our website.
11:40 - 12:20	Hiromichi Koiwai (Mitsubishi Aircraft Corp., Japan)	MRJ - Composite Application Objective and Development Status		←
12:20 - 13:30	Lunch ↓ (Chair: K. Enomoto)		Lunch	

	Organized Session	Structural Health Monitoring: (RIMCOF Project): Rm A (805)	General Session	Lightening and Other Impact: Rm B (804) (Chair: H. Hira)
13:30 -13:50	Mikio Yoshida, Nobuo Takeada, et al.	Outline of the Japanese National Project on Structural Health Monitoring System for Aircraft Composite Structures	Ryuji Norota, Yoshiyasu Hirano, et al.	Numerical Simulation of Lightening Damage on Graphite/Epoxy Composite Laminate
13:50 - 14:10	Nozomi Saito, Takashi Yari, et al.	SHM Technology for Aircraft Structures Using Distributed Optical Fiber Sensor	Yoshiaki Akematsu, Kazuro Kageyama, et al	Basic Research on Lightening Characteristics of Carbon Fiber Reinforced Plastic
14:10 - 14:30	Noriyoshi Hirano, Ryosuke Yoshimura, et al.	Development of Optical Fiber Sensor Based Impact Damage Detection System for Composite Airframe Structures	Yasuhiro Tanabe, Akihiro Sasoh, et al.	Deformation Behavior of CFRP by Impact of Soft Material
14:30 - 14:50	Ichiya takahashi, Kazushi Sekine, et al.	Life Cycle Strain Mapping of CFRP Pressure Bulkhead Using FBG Sensors	Masumi Higashide, Naomi Onose, et al.	Submillimeter Debris Impact Damage of Unmanned Spacecraft Structurre Wall
14:50 - 15:10	Kouhei Takahashi, Hideki Soejima, et al.	Development of Structural Health Monitoring Technology for CFRP Structure Using FBG/PZT Hybrid Sensor System	Naoki Kotsuka, Tomohiro Yokozeki, et al.	Analysis of Foreign Object Impact Damage in SiC/Ti Composites
15:10 - 15:30		Coffee Break		Coffee Break
15:30 - 15:50 15:50 - 16:10 16:10 - 16:30 16:30 - 16:50 16:50 - 17:10 17:10 - 17:30 17:30 - 18:00 17:50:-	General Session	Engineering Application (Chair: T. Ogasawara)	General Session	Novel Processing Technology (Chair: Y. Tanabe)
	(Session Keynote) Dirk Feltin.	Applications for Tailored Fibre Placement	Lambert E. Feher	Advanced Smart-Composite Production Technologies fpr Transportation
	Dr.-Ing., Hightex GmbH		Shigeki Yashiro, Katsunori Ishii, et al.	Multiphase Compression Molding Simulation for Long-Fiber-Reinforced Plasrics by a Particle Method
	Tsutomu Murakami, Hideo Morita, et al.	Development of Composite Parts for Turbo Fan Engine - Fan Case & Structural Guide Vane -	Takahiro Miura, Tadashi Uozumi, et al..	Development of Multiple-Supply FW Method
	Jürgen Fleischer, Johannes Gebhardt, et al. .	Experimental Investigation oF Metal Inserts Embedded in Composite Parts Manufactured by the RTM-Process	Tomoyuki Suzuki, Hirohito Hira.	Effect of Diluter on Physical Properties of Carbon Fiber/ Epoxy Composites Prepared by Vacuum-Assisted Resin Transfer Molding
	Kento Shimode, Tomohiro Yokozeki, et al.	Shock Propagation Behavior of Composite Lattice Structures	Pauly K. Gerhard, Vissing Klaus, et al.	New Approaches in Thermoset Resin Parts Demoulding: From Release Agent to Release Coatings
	Atsushi Kutsuna, Tatsuro Kosaka, et al.	Design Optimization of CFRP Mirror Foils of X-ray Telescope	Masashi Wada, Hirohito Hira, et al.	Effect of Superheated Steam Treatment on Adhesion between Carbon Fiber and Epoxy Resin
		Break		Break
	Banquet (at Castle Plaza Hotel, Houou-no Ma, South [Phoenix Room South]; 4th Floor)			

Date: Monday Morning

11/Nov./13 (Mon.)	Plenary & Keynote Session		Plenary & Keynote Session	
Room	Room F(908)		Room G(907)	
	Oresenter's Name	Presentation Title	Preenter's Name	Presentation Title
Time: 7:30 ---	Registration	Floor 8 ←		Floor 8 ←
		Mini-Exhibit Hours: Room D & E (10:00-17:30) ←		← ←
10:10 -10:20	Coffee Break		Coffee Break	
	13:30 - 16:50 (Part I : - 15:00, Partt II: 15:20 -) Room C (803)	Tutorial: by Scott W. Beckwith, "Automated Fiber Placement and Robotics Technology Overview" For this tutorial, a separate fee from JISSE-13 registration must be required (JPY 10,000 or JPY 20,000). Please see our website. ←		Organizing Committee Office and Presentation Checking: Room H (906) ←
12:20 - 13:30	Lunch ↓ (Chair: H. Hamada)		Lunch	

	Organized Session	A Future Challenging Technology: Room F(908)		Student Competition Ses.: Rm G(907) (Chair: H. Suemasu)
13:30 - 13:50	Tetsuo Kikuchi, Yuichiro Tani, et al.	Process Analysis of Hand Lay Up Method by Various Experience Persons	Jenniifer M. Sietins, Suresh G.Advani, et al.	Bonding Mechanisms during Ultrasonic Consolidation: New Insight Utilizing FIB Milling and TEM (Already Prized by US-SAMPE, out of competition)
13:50 - 14:10	Zelong Wang, Atsushi Endo, et al.	Research on Metal Wire Network "Kana-Ami" Structure between Expert and Non-Expert	Ryuji Ono, Shigeki Yashiro, et al.	Damage Evolution in CFRP Laminates by Shear Cutting: Experiment and Numerical Analysis
14:10 - 14:30	Ken-ichi Tsuji, Akihiko Goto, et al.	Skill Analysis of Mister of Hand Woven Wire Mesh	Hiromitsu Itoh, Hirohito Hira, et al.	Study on High Precision Cutting of Woven Fabric of Carbon Fiber by Laser Beam and Water Jet
14:30 - 14:50	Porakoch Sirisuwan, Chieko Narita, et al.	The Evaluations of the Muscle Activity during "Momi" Process of Kyo-Uchiwa with Difference Immersed Bamboo	Shinichiro Yamashita, Jun Takahashi, et al.	Electrical and Thermal Properties of Chopped Carbon Fiber Tape Reinforced Thermoplastics and Carbon Fiber Mat Reinforced Thermoplastics
14:50 - 15:10	Shun Kojima, Yuka Takai, et al.	Tensile Properties of Japanese Lantern with Different Structure	Keigo Uhira, Nobuo Takeda, et al.	Fiber-Optic-Based Pressure Detection and Quality Assurance of CFRP Secondary Bonding
15:10 - 15:30		Coffee Break		Coffee Break
	Organized Session	A Future Challenging Technology (Chair: A. Goto)		Student Competition Session (Chair: T. Yokozeki)
15:30 - 15:50	Shinichiro Kawabata	Calligraphy and Cosmetic Brush Manufactured by Traditional Brush Mixiing Technique "Kemomi"	Takumi Kakitani, Takashi Ishikawa	Shear Buckling Behavior Improvement of Reinforced CFRP Plate with Circular Cutout
15:50 - 16:10	Koji Kuroda, Hiroyuki Sato, et al.	Flow Improving Effect of Kyo-Wall Clayey Compound on the Forged Trowel - Understanding of the Traditional Secret -	Yi Wan, Jun Takahashi, et al.	Investigation about the Springback Effect on Short Fiber Reinforced Thermoplastics
16:10 - 16:30	Masaki Sakata, Takashi Nakamura, et al.	The Effect of Added Smoked Tile Particle with Different Size into the Tile Property	Yuhei Yamaguchi, Atsushi Hosoi, et al.	Detection and Evaluation of Defects in GFRP Laminates Backed by Free Space with Microwave Reflectometry
16:30 - 16:50	Porakoch Sirisuwan, Tetsushi Koshino, et al.	Comparison of Behavior between an Expert and Non Expert for Chucking in Lathe	Ayaka Kobayashi, Akio Otani, et al.	Development of Pultrusion System for Unidirectional Fiber Reinforced Thermoplastic Rods
16:50 - 17:10	Shigeru Ikemoto, Yuka Takai, et al.	Sheet Metal Molding Technique Analysis for Learning System for Car Mechanic		Selection Procedure
17:10 - 17:30	Masahiko Yamada, Akihiko Goto, et al.	Development of Self-Instructional Tool of Sharpening Japanese Kitchen Knives for Students of Training Colleges for Cooks		
17:30 - 18:00		Break		Break
17:50:-	Banquet (at Castle Plaza Hotel, Houou-no Ma, South [Phoenix Room, South]; 4th Floor)			

Date:

Tuesday Morning

12/Nov./13 (Tue.)	Event	Plenary & Keynote Session	Plenary & Keynote Session		Plenary & Keynote Session	
Room	Room A(805)		Room B(804)		Room C(803)	
	Name	Presentation Title	Name	Presentation Title	Name	Presentation Title
8:00 --- Time:	Registration	Floor 8	Floor 8		Floor 8	
		Keynote Lecture (Chair: Y. Iwahori)				
8:30 - 9:10	Jun Takahashi (Tokyo University, Japan)	Current Japanese Activity in CF RTP for Mass Production Automotive Application	←	Mini-Exhibit Hours: Room D & E (9:00-15:00)	to Poster Session Presenters.	They must put their posters on the boards by 9:30 AM of 12 Nov.
		Keynote Lecture (Chair: Y. Iwahori)				
9:10 - 9:50	Axel Hermann (CFK Valley, Germany)	Technology for Low Cost Manufacturing of High Performance CFRP Structures	←	←	to Poster Session Presenters.	They must attend by their posters during the morning coffee break & the later half of lunch on 12 Nov.
9:50 - 10:10	Coffee Break	(Poster) ↓ (Chair: T. Ikeda)	Coffee Break	(Poster) ↓ (Chair: M. Funabashi)	Coffee Break	(Poster) ↓ (Chair: Z. Maekawa)
	General Session	Structural Behavior	General Session	New Polymer Development	Organized Session	A Future Challenging Technology
10:10 - 10:30	Satoshi Atobe, Hisao Fukunaga, et al.	Identification of Distributed Force Acting on Plate Structures Using Measured Strains	Naoki Yokoyama, Shinichiro Sakurai, et al.	Special Modified Liquid Epoxy Resins Showing High Fracture Toughness	Kayo Yokota, Daisuke Yamamoto, et al.	Color Characteristics of Kyoto Soft Pastel
10:30 - 10:50	Hiroshi Suemasu, Michael R. Wisnom, et al.	An Analytical Study on Multiple Delaminations and Instability in Nonlinear Plate Subjected to Transverse Concentrated Load	Yuichi Ishida, Toshio Ogasawara, et al.	Development of "TRI A-X" Polyimide / Carbon Fiber Composites Prepared from Highly Soluble Addition Type Imide Oligomer	Yuki Ikenobo, Yuka Takai, et al.	A Study on the Vocabulary for Aesthetic Assessment of Ikebana
10:50 - 11:10	Fumito Nakagawa, Takashi Ishikawa, et al.	Compression Behavior Evaluation of the Stiffened Panel Made of OoA Prepreg	Shigeji Konagaya, Kanehiro Shimizu, et al.	Influence of Cellulose Nano-Fiber Diameter on Conductivity of Poly (Aniline Sulfonic Acid) Composites	Eriko Aiba, Takashi Furukawa, et al.	Differences in the Sound Performed by Gion Drum Players Depending on the Experience
11:10 - 11:30	Shin-ichi Takeda, Yutaka Iwahori, et al.	Evaluation of Debonding Strength in CFRP Stiffened Panel by Multi-Points Bending	Shigeji Konagaya, Yuki Atago, et al.	Conductivity of Poly (3,4-Ethylenedioxy- thiophene): Poly (Styrene Sulfonic Acid):/ Cellulose Nano-Fiber Composites	Takuya Sugimoto, Yuka Takai, et al.	Comparison of Polishing Process for Metallographic Preparation by Means of Analysis of Eye Movement between Expert and Non-Expert
11:30 - 11:50	Hitoshi Fukagawa, Tsutomu Yoshimura, et al.	New Four-point Bending Test Method for CFRTS and CF RTP Tubes			Atsushi Endo, Chieko Narita, et al.	Study on "Mitate" of UrushiCraftspeople with Different Years of Experiences
11:50 - 12:10					Yutaro Shimode, Chieko Narita, et al.	Study of Fun-Maki Motion with Surface Electromyography
12:10 - 13:00	Lunch (12:30 - 13:00: Poster)		Lunch (12:30 - 13:00: Poster)		Lunch (12:30 - 13:00: Poster)	

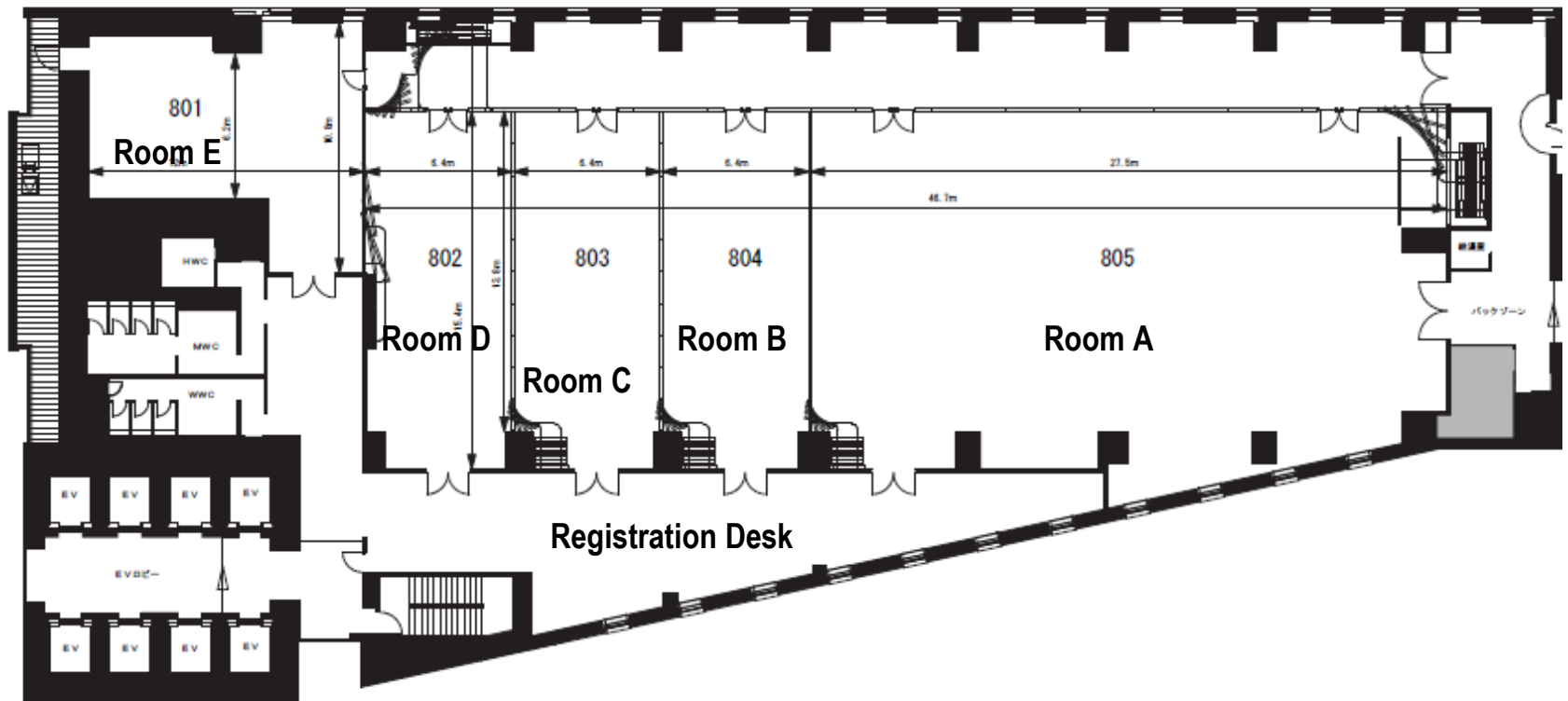
	Room A(805) ↓ (Chair: T. Kosaka)		Room B(804) ↓ (Chair: S. Konagaya)		Room C(803) ↓ (Chair: K. Kuroda)	
	General Session	Delamination, Damage & Micromechanics	General Session	Green & Bio-Inspired Composites	Organized Session	A Future Challenging Technology
13:00 - 13:20	Hayato Nakatani, Shinji Ogihara, et al.	Mechanical Properties in Quasi-Isotropic CFRP Laminates with Small Ply Orientation Angle Mismatch	Masahiro Funabashi	Determination of Biobased Content for Green Composites by Accelerator Mass Spectrometry	Takashi Furukawa	Evaluation of Kyo-Yuzen-zome Fabrics with Different Material in Putting-Paste (Nori-Okii)
13:20 - 13:40	Yoshikazu Yukimoto, Ryosuke Matsuzaki, et al.	Evaluation of Interfacial Fracture Toughness of CFRP/ Adhesives Treated by In-Mold Surface Preparation	Taweesak Piyatuchsananon, Koichi Goda, et al.	The Effect of Fiber Waviness on Natural Fiber Composites	Porakoch Sirisuwan, Chieko Narota, et	The Investigation of Microstructure on Traditional Japanese Trowels Process
13:40 - 14:00	Jia Ying, Masaaki Nishikawa, et al.	Fluorescence Measurement to Investigate Microcrack Accumulation in Plain-Woven CFRP Composite under Fatigue Loading	Kazunori Uematsu, Yoshinobu Shimamura, et al.	Effect of Cyclic Loading Frequency on Fatigue Property of Jute Monofilament	Hirofumi Yoshida, Yuka Takai, et al.	Eye Movement Analysis of Expert and Non-Expert on Plastering Kyoto Style Earthen Wall
14:00 - 14:20	Akinori Yoshimura, Tomonaga Okabe	Damage Simulation of CFRP Thin Plate by Using Homogenization Method	Toshihiko Hojo, Hiroyuki Hamada, et al.	Environmental Aging Effects on Kenaf Fiber Unsaturated Polyester Composites	Yasuo Oka, Chieko Narita, et al.	Eye Movement Analysis and Adhesive Properties on the Backing Process of Scrolls with Different Career Craftsman
14:20 - 14:40	Satoshi Yamamoto, Tadashige Ikeda, et al.	Numerical Analysis of Crack Propagation in DCB Tests of Cross-Ply Laminates			Takashi Yoshikawa, Akihiko Imajo, et al.	Regarding the Ocular Movement of the Expert in Process of the Handmade Japanese Paper
14:40 - 15:00	Kohsuke Togashi, Hiroyuki Hamada, et al.	Fracture Surface Observation of PUD Treated Glass Woven Composites			Zenichiro Maekawa, Zelong Wang, et al.	A Study on Characteristic of Calligraphy Letters "Kanji" and "Hiragana"
15:00 - 15:20	Coffee Break	↓ (Chair: S. Ogihara)	Coffee Break	↓ (Chair: Y. Hotta)	Coffee Break	↓ (Chair: A. Yoshimura)
	General Session	Delamination, Damage & Micromechanics	General Session	Ceramic Matrix Composites & Ceramics	General Session	Repair, Machining & Corrosion
15:20 - 15:40	Eiichi Hara, Yutaka Iwahori, et al.	Discussion about Out-of-Plane Tensile Modulus for UD-CFRP Laminate Obtained by 3-Point Bending Test Method	Takuya Aoki, Toshio Ogasawara, et al..	Fabrication of SiC/SiC Composites by Low Temperature Melt Infiltration	Stuart McCallum, Yutaka Iwahori, et al.	Arrest Fastener Repair of Delaminated CFRP
15:40 - 16:00	Takayuki Uno, Asami Nakai, et al.	Mechanical Properties of CFRP with Thermoplastic Particles	Takeki Hara, Yasuo Kogo, et al.	Rapid Fabrication and High Temperature Mechanical Properties of C/SiC Composite by Multiple Melt Infiltration	Denghao Sun, Nobuo Takeda, et al.	Self-Healing of Delamination Using Sensing-Healing Hybrid System
16:00 - 16:20	J. Hirai, Y. Horita, et al.	Effect of Naps with Anisotropic Orientation between Layers on Mechanical Properties of Woven Fabric Composites	Ryuta Kitamura, Koichi Goda	Finite Element Model for Microscopic Damage Simulation of A Fiber-Reinforced Ceramic Matrix Composite	N. W. A. Brown, Cris M, Worrall, et al.	Investigation of Process-Related Damage during Thermally Assisted Piercing of a Thermoplastic Composite
16:20 - 16:40	Kentaro Sakoda, Asami Nakai, et al. .	Mechanical Behavior Analysis of Carbon Fiber Reinforced Composites with Naps between Layers	Yutaro Arai, Yasuo.Kogo, et al.	Oxidation Resistant Behavior of Ultra High Temperature Ceramics at above 2000K	Shaocong Zheng, Jun Takahashi, et al.	Galvanic Corrosion between CFRP and Metal in Corrosive Environment

Date: Tuesday Morning

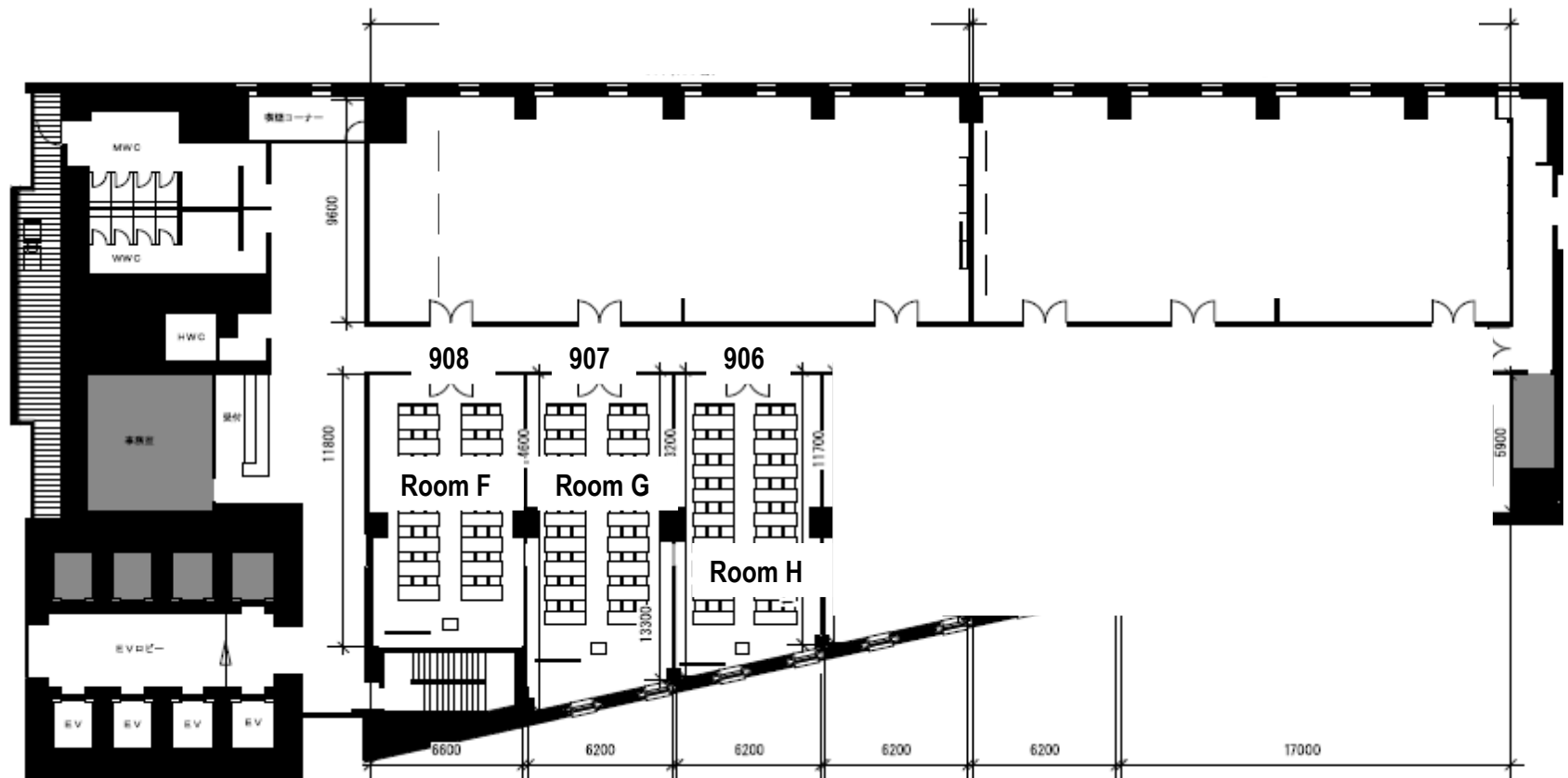
12/Nov./13 (Tue.)	Room	Plenary & Keynote Session	Plenary & Keynote Session
Room		Room F(908)	Room G(907)
Time: 8:00 ---	Registration	Floor 8	Floor 8
			Poster Session Presenters Poster Paper Titles
	←	Mini-Exhibit Hours: Room D & E (9:00-15:00)	Rie Y. Kuwahara, Hodaka Yamagishi, et al. Preparation and Characterization of Conducting Polymer-Organic Fluid Composite Gel System
	←	Organizing Committee Office and Presentation Checking Room H (906)	Buyung Mun Jung, Jea Uk Lee, et al. Magnetic Hollow Fiber of Iron/Cobalt for Electromagnetic Absorbers
9:50 - 10:10		Coffee Break (Poster)	Coffee Break (Poster)
	General Session	Thermoplastic Composites (Chair: A. Ohtani)	General Session Nanocomposites (Chair: Y. Hirano)
10:10 - 10:30	Yuan Chen, Takeshi Ishikawa, et al.	Estimating Flexural Properties of Chopped Carbon Prepreg Based Thermoplastic Composites Using Finite Element Method	Toshio Ogasawara, Kazuma Shiota, et al. Processing and Properties of Aligned carbon Nanotubes/PPS Composites
10:30 - 10:50	Chris M, Worrall, R. J. Wise, et al.	Novel Induction Heating Technique for Joining of Carbon Fibre Composites	Terrumasa Tsuda, Toshio Ogasawara, et al. Effect of the Orientation Angle on the Mechanical Properties of Aligned Carbon Nanotube/Epoxy Composites
10:50 - 11:10	K. Hasegawa, Jun Takahashi, et al.	Influence of Pre-Heating Conditions and Molding Pressure on the Mechanical Properties of CF RTP	Kahori Oshima, Yoshinobu Shimamura, et al. Tensile Property of CNT Spun Yarn Strand Reinforced Epoxy
11:10 - 11:30	Takeshi Ishikawa, Masao Tomioka, et al.	Flowabilities and Mechanical Properties of Thermoplastic CF Composites for Compression Moldings	Shiya Hatori, Ryosuke Matsuzaki Microwave Heating of Polymer Resin Using Interdigital Electrode and Dispersed Carbon Nanotubes
11:30 - 11:50	Yusuke Imai, Yuji Hotta, et al.	Effect of Thermal Annealing on Interfacial and Bulk Properties of PA6/CF Composites	Mohamed H. Gabr, Kiyoshi Uzawa, et al. A Novel method for Fabricating Nano-Clay Based Carbon-Fiber/Polyamide Nanocomposites with Enhanced Mechanical and Thermal Properties
11:50 - 12:10	Osuke Ishida, Kiyoshi Uzawa, et al.	Production Study of Carbon Fiber/PA6 Composite Using Solution of PA6	
12:10 - 13:00		Lunch (12:30 - 13:00: Poster)	Lunch (12:30 - 13:00: Poster)

	Room F(908)		Room G(907)	
	General Session	Thermoplastic Composites (Chair: J. Takahashi)	General Session	Macroscopic Properties (Chair: S. Yashiro)
13:00 -13:20	Daiju Katayama, Asami Nakai, et al.	Pultrusion Process for Braided Fabric Reinforced Thermoplastic Pipes	Daisuke Shimamoto, Yuji Hotta, et al.	Adjustment of Placement of Oriented Carbon Fiber/Resin Composites
13:20 - 13:40	Toshikazu Uchida, Asami Nakai, et al.	The Optimum Structure of T-Shaped Pipe with Braided Composite Molded by Autoclaves	Daiki Ichikawa, Hiroyuki Hamada, et al.	Mechanical Properties of Intra-Hybrid Woven Fabric Composites
13:40 - 14:00	Daichi Tatsuno, Takeshi Yoneyama, et al.	Square Cup Press Forming of Plain Weave CF/PA6 Consolidated CFRTP Sheet	S. Ohta, Masayuki Nakada, et al.	Influence of Toughened Matrix Resin on Time-Temperature Dependent Strength of Unidirectional CFRP
14:00 - 14:20	Patcharat Wongsriraksa, Kiyoshi Uzawa, et al.	Fabrication Study of CFRTP Composites through Double Covering	T. Hioki, Masuki Nakada, et al.	Formulation for Time-Temperature Dependent Static and Fatigue Strengths of Unidirectional CFRP
14:20 - 14:40	Toshihiro Motochika, Mitsuro Takagi	Effect of Characteristic of Resin Fiber to Commingled Yarn as Intermediate Material	Yasuyoshi Kakita, Asami Nakai, et al.	Fabrication and Flexural Properties of Braided CFRP Rectangular Tube
14:40 - 15:00			T. Saito	Prediction Method of Internal Structure for Designing Braided Composites with Thermoplastic Resin
15:00 - 15:20	Coffee Break		Coffee Break	
	General Session	Structural Health Monitoring and Non-Destructive Evaluation (Chair: M. Nishikawa)	General Session	Macroscopic Properties (Chair: A. Nakai)
15:20 - 15:40	Teruhisa Sanada, Shu Minakuchi, et al.	Thermal Strain Distribution along Optical Fiber in CFRP Fiber-Optic-Gyroscope under Thermal Vacuum Condition	Hayato Tamoi	Effects of Twisted Carbon Fiber on Mechanical Properties of Composite Materials
15:40 - 16:00	Akihiro Matsumoto, Tatsuro Kosaka, et al.	Process Monitoring of FRP Laminates by Embeddable Refractive-Index Sensors	Haowen Wei, Jun Takahashi, et al.	Mechanical Properties of Carbon Fiber Mat Reinforced Thermoplastics Made by Carbon Paper
16:00 - 16:20	Masashi Ishikawa, Yuuki Shiya, et al.	Pulse Phase Thermographic Non-Destructive Testing of CFRPS Using Induction Heating		

Plan View of WINC Aichi, Floor 8: Room A, B, C, D, E



Plan View of WINC Aichi, Floor 9: Room F, G, H



Guide with Pictures from JR Nagoya Station to WINC Aichi



1 JR Nagoya Station



2 Crossing the ped-walk



3 Straight ahead



4 WINC Aichi: White Building on the right (20m beyond the crossing)

