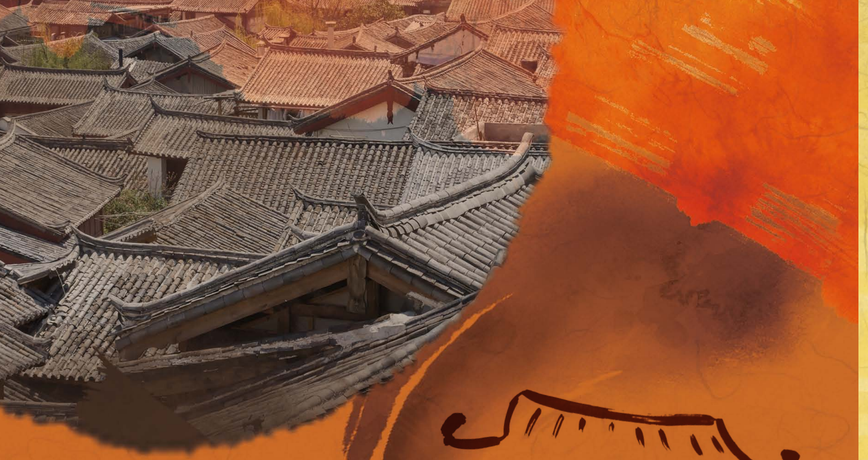


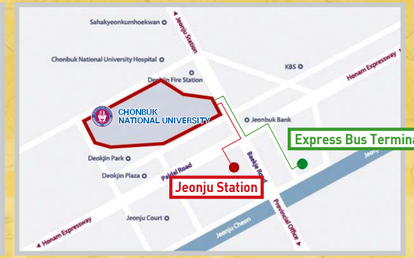
The 10th Korea-Japan Joint Symposium on Composite Materials

Registration Fees

* Include welcome reception (October 28), lunch (October 29), and banquet (October 29)

Korean		
	Pre Registration	Onsite Registration
Member	KRW 140,000	KRW 160,000
Non member	KRW 170,000	KRW 190,000
Student Member	KRW 90,000	KRW 110,000
Student Non member	KRW 120,000	KRW 140,000
Japanese		
JPY 10,000		

Roadmap



Transportation

Train
Seoul → Jeonju Station (3h)

Express Limousine Bus
Seoul (Incheon airport) → Jeonju (4h)
Seoul (Gangnam Express Terminal) → Jeonju Station (3h)
Busan Terminal → Jeonju Terminal (4h)

Jeonju Station → Chonbuk National University (15 minutes by taxi)

Jeonju Terminal → Chonbuk National University (15 minutes by bus)

Schedule

	October 28 (Wed)	October 29 (Thu)	October 30 (Fri)
08:30~09:00		Registration	
09:00~09:10		Opening Ceremony	
09:10~09:30		Plenary Speech	
09:30~09:50			Technical Tour, Fall Conference of KSCM
09:50~10:00		Break Time	
10:00~11:15		Parallel Session	
11:15~11:25		Break Time	
11:25~12:25		Parallel Session	
12:25~13:30		Lunch, Lounge (2F)	
13:30~14:45		Parallel Session	
14:45~14:55		Break Time	
14:55~16:10		Parallel Session	
16:10~16:20		Break Time	
16:20~17:35		Parallel Session	
17:35~18:00		Break Time	
18:00~18:30	Welcome Reception (Yeonghwa Hotel)	Movement of Place (Bus Departure for the Banquet @18:00)	
18:30~		Banquet (Restaurant GOGUNGDAM)	

Bus Departure Point for the Banquet : Front of the ENG Building 8

The 10th Korea-Japan Joint Symposium on Composite Materials

2015.10.28(Wed)~30(Fri)
ENG Building 8, Chonbuk National University,
Jeonju, KOREA

Host KSCM
Center for Carbon Composite Materials, CBNU
BrainKorea21PLUS BK21 Plus Applied Materials Institute for BIN Convergence Technology

Supported KOFST CHONBUK NATIONAL UNIVERSITY

The 10th Korea-Japan Joint Symposium on Composite Materials

October 29, Conference Hall (Room 205), ENG Building 8

Time	ID	Title	Chairs, Authors
09:00-09:10		Opening Ceremony Welcoming Address by Prof. Chun-Gon Kim (President of the KSCM) Welcoming Address by Prof. Takahira Aoki (President of the JSCM)	
09:10-09:50		Plenary Speech Speaker : Prof. Yoshihiro Narita (Hokkaido University) Title : Overview of composites research observed in 2015 ASC Technical Conference Speaker : Prof. Chun-Gon Kim (KAIST) Title : Some researches on the multifunctional applications of composite structures at KAIST	Chairman: Nak-Sam Choi (Hanyang University)
		Nanocomposites/Processing I	Jung-Il Song (Changwon National University) Hitoshi Takagi (Tokushima University)
10:00-11:15	A-01	Electrospun composite nanofibers of human hair based keratin and poly (vinyl alcohol) with high mechanical strength and optical transmittance	Cho-Hye Lee, Mi-Ra Park, Hak-Yong Kim (Chonbuk National University)
	A-02	Effects of Thermal Heat and Strain Induced Resistivity on Cupric Oxide Nanocomposites	Kyung-Il Kong, Young-Bin Park, Hyung-Wook Park (UNIST)
	A-03	Mechanical Performance of Potassium Titanate Whisker Reinforced Epoxy-Based Nanocomposites	Wan-Ting Sun (National Taiwan University of Science and Technology), Hitoshi Takagi, Antonio N. Nakagaito (Tokushima University), Shih-Hsuan Chiu (National Taiwan University of Science and Technology)
	A-04	Facile synthesis of luminescent and amorphous La2O3-ZrO2: Eu3+ nanofibrous membranes with robust softness	Weidong Han, Hak-Yong Kim (Chonbuk National University)
	A-05	Fabrication and Performance Evaluation of GNP/CF Composites for Wear Resistance Application	Seung-Bhin Park, Jin-Chul Park, Jung-Il Song (Changwon National University)
		Nanocomposites/Processing II	Yoshinobu Shimamura (Shizuoka University) Joon-Hyung Byun (KIMS)
11:25-12:25	A-06	Fabrication of High-strength Single-walled Carbon Nanotube /Permalloy Nano-particle /Poly(vinyl) Alcohol Nanocomposite Fiber	Gengheng Zhou, Joon-Hyung Byun (KIMS)
	A-07	Fabrication and Capacitance properties of Fe/CeO2-doped Carbon Nanofibers	Fuhai Cui, Hak-Yong Kim (Chonbuk National University)
	A-08	Carbon Nanotube Reinforced Epoxy with High Fiber Volume Fraction Using CNT Spun Yarn Preform	Yoshinobu Shimamura (Shizuoka University), Kahori Oshima (Yamaha Motor Co., Ltd.), Keiichiro Tohgo, Tomoyuki Fujii, Yoku Inoue (Shizuoka University)
	A-09	Synthesis and characterization of photocatalytic and antibacterial PAN/Ag2CO3 composite nanofibers by ion exchange method	Tae-Woo Kim, Mi-Ra Park, Hak-Yong Kim (Chonbuk National University)
12:25-13:30		Lunch, Lounge (2F)	
		Nanocomposites/Processing III	Joong Hee Lee (Chonbuk National University) Gen Sasaki (Hiroshima Univestiy)
13:30-14:45	A-10	Polyacrylonitrile composite nanofibers encapsulated with Ag2CO3 nanoparticles : A study on the effect of photocatalytic performances of composite nanofibers electrospun at different applied electric voltages	Tae-Hee An, Gopal Panthi, Mi-Ra Park (Chonbuk National University), Soo-Jin Park (Inha University), Hak-Yong Kim (Chonbuk National University)
	A-11	Hetero-atom Doped Graphene Nano Ribbon Electrodes for High Performance Supercapacitors	Gopalsamy Karthikeyan, Jayaraman Balamurugan, Tran Duy Thanh, Nam Hoon Kim, Joong Hee Lee (Chonbuk National University)
	A-12	Microstructure and Mechanical Properties of TiB_2/Al Composites Fabricated by Spark Plasma Sintering	Takaaki Hirose, Kenjiro Sugio, Yongbum Choi, Matsugi Kazuhiro, Gen Sasaki (Hiroshima University), Moonhee Lee, Tatsuya Hinoki (Kyoto University)
	A-13	Flexible N-doped graphene for low-cost, metal electrode-free high performance perovskite solar cells	Jayaraman Balamurugan, Gopalsamy Karthikeyan, Tran Duy Thanh, Nam Hoon Kim, Joong Hee Lee (Chonbuk National University)
	A-14	Development of Manufacturing Process of Fined Intermetallic Compound Dispersion Composites	Yongbum Choi, Kazuhiro Matsugi, Zhefeng Xu, Gen Sasaki, Kazuhiro Sugio (Hiroshima University)
		Nanocomposites/Processing IV	Tomoyuki Fujii (Shizuoka University) Seok-Woo Jeon (KAIST)
14:55-16:10	A-15	One-step synthesis of robust nitrogen-doped carbon dots: acid-evoked fluorescence enhancement and their application in Fe3+ detection	Yang Liu, Yanan Liu, Mi-Ra Park, Hak-Yong Kim (Chonbuk National University)
	A-16	The Kinetics Study of h-BN growth under Different Hydrogen Annealing Pressure on Metal Catalyst	Hyun-Jin Cho, Hwan-Chul Kim (Chonbuk National University), Myung-Jong Kim (KIST)
	A-17	Spark Plasma Sintering Process in PSZ-Ti Composites	Tomoya Shinohara, Tomoyuki Fujii, Keiichiro Tohgo, Yoshinobu Shimamura (Shizuoka University)
	A-18	Growth and Recrystallization Behavior of Graphene Domain by Mobile Hot-Wire-Assisted Chemical Vapor Deposition	Jin-Sup Lee, Jin-Wook Baek, Seok-Woo Jeon (KAIST)
	A-19	Fabrication of PSZ-Ti Functionally Graded Material by Spark Plasma Sintering and Its Fracture Toughness	Tomoyuki Fujii, Keiichiro Tohgo, Hiroshi Isono, Yoshinobu Shimamura (Shizuoka University)
		Nanocomposites/Processing V	Sung-Hoon Ahn (Seoul National University) Ryosuke Matsuzaki (Tokyo University of Science)
16:20-17:35	A-20	Application of Data Assimilation to Three-Dimensional Monitoring of Resin Flow During a VaRTM Process	Masaya Shiota, Ryosuke Matsuzaki (Tokyo University of Science)
	A-21	Numerical Prediction of Molding-Defects During Resin Transfer Molding and Experimental Study on Molding-Defects	Yasuhiro Shimada, Ryosuke Matsuzaki, Akiyuki Takahashi (Tokyo University of Science)
	A-22	Hydrogen gas barrier properties of hexylamine functionalized reduced graphene oxide/polyurethane nanocomposite coated nylon films	Parthasarathi Bandyopadhyay, Woong Bi Park, Nguyen Thanh Tuan, Nam Hoon Kim, Joong Hee Lee (Chonbuk National University)
	A-23	Easy preparation and characterization of graphene using liquid nitrogen and electron beam irradiation followed by hydrothermal treatment	Su-Hyeong Chae, Mi-Ra Park, Hak-Yong Kim (Chonbuk National University)
	A-24	Disassemble bonded composite structure using shock waves generated by a flashlamp-pumped pulsed laser	Thanh Chung Truong, Jung-Ryul Lee (KAIST)
18:30-20:30		Banquet at Restaurant GOGUNGDAM (Bus Departure for the Banquet @18:00)	

October 29, Room 212, ENG Building 8

Time	ID	Title	Chairs, Authors
		Actuating/Sensing/NDT I	Akira Todoroki (Tokyo Institute of Technology) Ki-Soo Kim (Hongik University)
10:00-11:15	B-01	Location of Collision of Charged Body with CFRP Plate Using Electrostatic Induction	Masahiro Suzuki, Yoshiro Suzuki, Akira Todoroki, Yoshihiro Mizutani (Tokyo Institute of Technology)
	B-02	Electric Current Distribution of CFRP Beam : Analysis and Experiment	Takuya Yamane, Akira Todoroki, Yoshihiro Mizutani, Yoshiro Suzuki (Tokyo Institute of Technology), Takayuki Nishi, Ai Kawashima, Naoyuki Sekine (Fuji Heavy Industries Ltd.)
	B-03	CFRP Sandwich Structural Capacitor	Akira Todoroki, Tomohiro Sawada, Yoshihiro Mizutani, Yoshiro Suzuki (Tokyo Institute of Technology)
	B-04	FBG Sensor in Respect of Radioactivity and Deformation Measurement	Seok-Hwa Lee, Ki-Soo Kim (Hongik University)
	B-05	Composite Material Monitoring under LEO Thermal Cycling using Multi-Layer Embedded FBG Sensor Array	Yu-Rim Park, Jin-Hyuk Kim, Pratik Shrestha, Hee-Jung Kwon, Chun-Gon Kim (KAIST)
		Actuating/Sensing/NDT II	Il-Kwon Oh (KAIST) Yoshihiro Narita (Hokkaido University)
11:25-12:25	B-06	Impact Monitoring on Composite Structures Using FBG Sensors	Pratik Shrestha, Jin-Hyuk Kim, Yu-Rim Park, Chun-Gon Kim (KAIST)
	B-07	Delamination Detection in CFRP Beams Using Crack Swarm Inspection	Kentaro Yamamoto, Ryosuke Matsuzaki (Tokyo university of science), Akira Todoroki (Tokyo institute of technology)
	B-08	Delamination Detection Based on Selective-Layer Heating by Using Electrical Resistivity Anisotropy of CFRP	Yoichiro Koga, Yoshiro Suzuki, Akira Todoroki, Yoshihiro Mizutani (Tokyo Institute of Technology)
	B-09	Corner Defect Detection of CFRP Structures by Ultrasonic Testing	Takeshi Ashizawa, Yoshihiro Mizutani, Akira Todoroki, Yoshiro Suzuki (Tokyo institute of technology), Akiyoshi Sato, Takahiro Otsuka, Tomoya Nishikawa, Wataru Imai (IHI Aerospace)
12:25-13:30		Lunch, Lounge (2F)	
		Actuating/Sensing/NDT III	Yoshihiro Mizutani (Tokyo Institute of Technology) Jung-Ryul Lee (KAIST)
13:30-14:45	B-10	CFRP Elastic Hinge with McKibben-Type Actuator	Masatoshi Fukuda, Akira Todoroki, Yoshihiro Mizutani, Yoshiro Suzuki (Tokyo Institute of Technology)
	B-11	Segmented Bending Actuator made of Smart Soft Composites	Wei Wang, Hugo Rodrigue, Min-Woo Han, Sung-Hoon Ahn (Seoul National University)
	B-12	Efficient Actuation Performance of Ionic Polymer Based on Nitrogen and Sulfur Co-doped Graphene/PEDOT:PSS Hybrid	Moumita Kotal, Jae-Hwan Kim, Il-Kwon Oh (KAIST)
	B-13	Study on NDT for Various Types of Defects in FRP	Yoshihiro Mizutani, Koichi Mizukami, Takehiro Miki (Tokyo institute of technology), Antolino Gallego (University of Granada), Kazuhiro Suenaga, Akira Todoroki, Yoshiro Suzuki (Tokyo institute of technology)
	B-14	Study on Frequency Dependence of b-Value	Doyun Jung, Yoshihiro Mizutani, Yuto Hata, Akira Todoroki, Yoshiro Suzuki (Tokyo institute of technology)
		Characterization	Jin-Hwe Kweon (Gyeongsnag National University) Kenjiro Sugio (Hiroshima University)
14:55-16:10	B-15	Development of a Software to Evaluate Spatial Distribution of Second Phase in Composites	Kenjiro Sugio, Yongbum Choi, Gen Sasaki (Hiroshima University)
	B-16	Interfacial and Wetting Properties of Carbon Reinforced Nanocomposites Using Electrical Resistance Measurement	Dong-Jun Kwon, Zuo-Jia Wang, Pyeong-Su Shin, Jin-Yeong Choi, Joung-Man Park (Gyeongsnag National University)
	B-17	Microstructure of Lead-Free Solder Composite for High Temperature Application	Koichi Takeuchi, Kenjiro Sugio, Gen Sasaki (Hiroshima University)
	B-18	Mechanical and Interfacial Properties of Gf and Cf/Epoxy Composites after Salt Solution Aging Treatment	Pyeong-Soo Shin, Zuo-Jia Wang, Dong-Jun Kwon, Jin-Young Choi (Gyeongsang National University), Sang-Il Lee (Doosan Heavy Industries & Construction), Joung-Man Park (Gyeongsang National University)
	B-19	Electrical Resistance Change of Cyclic-Loaded Plain-Weave CFRP Laminates	Yusuke Nishio, Akira Todoroki, Yoshihiro Mizutani, Yoshiro Suzuki (Tokyo Institute of Technology)
		Metal Matrix Composites	Yongbum Choi (Hiroshima University) In-Gul Kim (Chungnam National University)
16:20-17:35	B-20	Development of New Manufacturing Process of Carbon Nano-Fiber Reinforced Metal Matrix Composite	Hiroshi Ujino, Yongbum Choi, Kazuhiro Matsugi, Zhefeng Xu, Gen Sasaki, Kenjiro Sugio (Hiroshima University)
	B-21	Development of Fabrication Process and Characterization of Intermetallic Compounds Dispersed Al Matrix Composite by Using Reaction Between Metal Porous and Al	Yusuke Hotta, Yongbum Choi, Kazuhiro Matsugi, Zhefeng Xu, Gen Sasaki, Kazuhiro Sugio (Hiroshima University)
	B-22	Development of High-Strength Aluminum Alloy for Composite Matrix	Daiki Takigawa, Kenjiro Sugio, Gen Sasaki (Hiroshima University), Taruho Kengai, Junji Tabata (Hiroshima Aluminum Industry Co., Ltd.), Nobuyuki Fuyama (Western Hiroshima Prefecture Industrial Research Institute)
	B-23	Effective Thermal Conductivity Measurement of Metal Matrix Composites and Thermal Conduction Simulation with Steady Method	Rio Yamada, Takaaki Hirose, Kenjiro Sugio, Yongbum Choi, Gen Sasaki (Hiroshima University)
	B-24	Effect of Nickel Coating on Graphite for Preparation of Graphite/Magnesium Composite	Youqiang Yao, Zhefeng Xu, Kenjiro Sugio, Yongbum Choi, Shaoming Kang (Hiroshima University), Ruidong Fu (Yanshan University), Gen Sasaki (Hiroshima University)
18:30-20:30		Banquet at Restaurant GOGUNGDAM (Bus Departure for the Banquet @18:00)	

October 29, Room 213, ENG Building 8

Time	ID	Title	Chairs, Authors
		Design/Aanalysis I	Sung-Nam Jung (Konkuk University) Nobuhide Uda (Kyushu University)
10:00-11:15	C-01	Method for Determining Fiber Volume Fraction in Carbon/Epoxy Composites Considering Oxidation of Carbon Fiber	Yun-Ho Kim, Sathish Kumar, Chung-Hyeon Choi, Chun-Gon Kim (KAIST), Sun-Won Kim (KARI), Jae Hyuk Lim (Japan University)
	C-02	Numerical Analysis of Carbon-Fibre/Epoxy Reinforced Composite Laminates with Varied Stitched Density on Tensile Loading	Prabij Joshi, Satoshi Morooka (Tokyo Metropolitan University), Atsushi Kondo (MSC Software Company), Naoyuki Watanabe (Tokyo Metropolitan University)
	C-03	Fracture Mechanism of Cruciform CFRP Cross-Ply Laminates under Biaxial Loading Based on FE Analysis	Nur Furqan Binti Zahariman, Junpei Gondoh, Junji Noda, Koichi Goda (Yamaguchi University), Takaaki Suzuki, Takayuki Kobayashi (Mitsubishi Rayon Co., Ltd.)
	C-04	Generalized Anisotropic Elasticity Approach for Thin-walled Composite Beams with 3D Nonuniform Warping Effects	Manoj K Dhadwal, Sung-Nam Jung (Konkuk University)
	C-05	Two-Dimensional Aeroelastic Analysis of a Brimmed-Diffuser Shroud with Anisotropic Materials for a Wind Turbine	Taeyoung Kim, Hiroto Nagai, Kousei Ono, Nobuhide Uda, Yuji Ohya (Kyushu University)
		Design/Aanalysis II	Naoyuki Watanabe (Tokyo Metropolitan University) Jae-Hung Han (KAIST)
11:25-12:25	C-06	A Study on the Shock Absorbing Characteristic of Composite Material Landing Gear	Jun-Yong Kwon, Sang-Joon Chung (ADD), Jae-Hung Han (KAIST)
	C-07	Finite Element Simulation of Low-Velocity Impact Induced Delamination in Stitched Carbon/Epoxy Laminates by a Quasi-Static Load Model	Jonny Herwan (Tokyo Metropolitan University), Atsushi Kondo (e-Xtream Engineering), Satoshi Morooka, Naoyuki Watanabe (Tokyo Metropolitan University)
	C-08	Constitutive Equation for Static and Impact Characteristics of Expanded Polypropylene	Byeong-Kil Kim (Kongju National University), Young-Won Hahn (Dassault Systèmes SIMULIA), Jae-Ung Cho, Kwang-Young Jeong, Nam-Hoon Kim, Bum S. Oh, Seong Sik Cheon (Kongju National University)
	C-09	Vibration Study of Glass Panel Elastically Supported in Mobile Phone	Yoshihiko Kaito, Shinya Honda, Yoshihiro Narita (Hokkaido University)
12:25-13:30		Lunch, Lounge (2F)	
		Design/Aanalysis III	Woong-Ryeol Yu (Seoul National University) Akira Todoroki (Tokyo Institute of Technology)
13:30-14:45	C-10	Analysis of Laminated Carbon Prepreg Composite Mast Tube using Classical Laminate Theory	Dong-Woo Lee, Seung-Bhin Park (Changwon National University), Byung-Sun Kim (KIMS), Jung-Il Song (Changwon National University)
	C-11	Structural Optimization of Composite Wind Turbine Blade Using Response Surface Methodology with Cluster Analysis	Satoshi Yamamura, Akira Todoroki, Yoshihiro Mizutani, Yoshiro Suzuki (Tokyo Institute of Technology)
	C-12	Lay-Up Optimization of a Composite Structure for Maximizing the Dimensional Stability by Using Taguchi Method.	Soichiro Tanaka, Shinya Honda, Yoshihiro Narita (Hokkaido University)
	C-13	Prediction of Tensile Strength of Unidirectional Fiber Composite	Won-Jin Na, Woong-Ryeol Yu (Seoul National University)
	C-14	A Constitutive Model for Polymeric Foams having a New Modulus Function	Kwang-Young Jeong, Seong-Sik Cheon (Kongju National University)
		Performance I	Kazuo Okubo (Doshiaha University) Seong Kyun Cheong (Seoul National University of Science and Technology)
14:55-16:10	C-15	Mechanical Properties of Fibrillated Ramie Fiber/Polyamide Composites	Kyohei Koga, Yuto Sato, Koichi Goda (Yamaguchi University)
	C-16	Mechanical Characteristics of Deformed Carbon Steel Z-pin	Jong-Seol Jung, Yong-Sung Lee, Seong-Kyun Cheong (Seoul National University of Science and Technology)
	C-17	Study on an Improvement of Mechanical Performance of Injection Molded PP Reinforced with Bamboo Pulp	Nanqi Wu, Kazuya Okubo, Toru Fujii (Doshisha University)
	C-18	Microstructures and Mechanical Properties of Thermoplastic Composites Manufactured from Polyarylate/nylon6 Island-sea type Bicomponent Fibers	Sung-Chan Lim, Jong-Sung Won, Jin-Ho Park, Seung-Goo Lee, Young-Gyu Jeong (Chungnam National University), Wan-Gyu Hahm (Korea Insitute of Industrial Technology), Jong-Kyoo Park (ADD)
	C-19	Development of Fabrication Method for Continuous CFRTP with Extrusion and Pultrusion	Seigo Kurahashi, Goichi Ben, Akiko Hirabayashi (Nihon University)
		Performance II	Jin-Ho Choi (Gyeongsang National University) Goichi Ben (Nihon University)
16:20-17:35	C-20	Effective Young's Modulus Estimation of Dental Composite Resin during Restoration	Jung-Hoon Park, Nak-Sam Choi (Hanyang University)
	C-21	Development of Structural Flange and Evaluation of Mechanical Properties	Dai Shogase, Goichi Ben, Kazuhiro Sakata (Nihon University)
	C-22	CNT/ABS Honeycomb Structure for Broadband Microwave Absorption	Jae-Hun Choi, Won-Ho Choi, Jae-Hwan Shin, Tae-Hoon Song, Young-Woo Nam, Chun-Gon Kim(KAIST), Won-Jun Lee(ADD)
	C-23	Comparison of Strength Recovery Rates in respect of Repaired Single-Lap Joint	Ga-Young Ahn, June-Woo Pi (Gyeongsang National University), Min-Young Park (ADD), Jin-Ho Choi, Jin-Hwe Kweon (Gyeongsang National University)
	C-24	Strength recovery of the repaired composite laminates using a scarf patch	Byeong-Su Kwak, Jae-Seung Yoo (Gyeongsang National University), Min-Young Park (ADD), Jin-Ho Choi, Jin-Hwe Kweon (Gyeongsang National University)
18:30-20:30		Banquet at Restaurant GOGUNGDAM (Bus Departure for the Banquet @18:00)	