## **Program Book**

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## **POSTER SESSION**

PP 2-25	Electrical Conductivity Measurement of Al-Mg₂Si Alloy for Composite Matrix <u>Takashi Nishigawa</u> , Kenjiro Sugio, Gen Sasaki(Hiroshima University), Junji Tabata(Hiroshima Aluminum Industry Co., Ltd.), Nobuyuki Fuyama(Western Hiroshima Prefecture Industrial Research Institute)	PP 2-39	Volume Change of Expanded Graphite Via Inductively Coupled Plasma Treatment and Mutual Relation Between Expansion Volume and Thermal Conductivity of Polymer Composites  Jong Hyeok Kim, Hyun Su Kim, Wu Young Kim, Hun Su Lee, Seong Yun Kim(Korea Institute of Science and Technology)	
PP 2-26	Development of Manufacturing Process of Porous VGCF and Their Mechanical Property Fei Gao, Youqiang Yao, Yongbum Choi, Zhefeng Xu, Kazuhiro Matsugi, Kenjiro Sugio, Gen Sasaki(Hiroshima University)	PP 2-40	Electrical Conductivity of Nano-compounds Filled with Highly Dispersed Multi-walled Carbon Nanotube via <i>in situ</i> Polymerization <u>Ji-Un Jang</u> , Seong Yun Kim(Korea Institute of Science and Technology)	
PP 2-27	Fabrication of Lotus Type SiO <sub>2</sub> +VGCF Reinforced Al Composites and Their Thermal Property Yongbum Choi, Z. F. Zu, K. Matsugi, K. Sugio, G. Sasaki(Hiroshima Uinversity), M.H. Lee(Dong-Eui Institute of Technology)	PP 2-41	Electrical and Mechanical Properties of Flexible Multi-walled Carbon Nanotube/Cyclic Butylene Terephthalate Composite Film Ji Eun Cha, Seong Yun Kim[Korea Institute of Science and Technology]	
PP 2-28	Thermal Simulation of Manufacturing Metallic Material by Utilizing Pulsed Current Activity Sintering Method <a href="Hyo-Eun Nam">Hyo-Eun Nam</a> , Hyun-Kuk Park, Jun-Ho Jang(Chonnam National University), Ik-Hyun Oh(Korea Institute of Industrial Technology)		NDE Technology	
l.		PP 2-42	Characterization of Terahertz Penetration on Conducting and Non-conducting FRP Composite Materials	
PP 2-29	Multi-functional Composites  Effect of Fiber Aspect Ratio on the EMI Shielding Effectiveness of Magnetic Hollow Fiber/EPDM	11 2 42	Kwang-Hee Im(Woosuk University), In-Young Yang(Chosun University), Sun-Kyu Kim(Chonbuk Natl. University), Seung Woo Ra(Seoul Metal Co. Ltd.), Jong-An Jung(Songwon University), Young-Tae Cho(Jeonju University), David Hsu(Iowa State University)	
FF 2-27	Composites  Jae Ryung Choi, Ka Hyun Park, Byung Mun Jung, Sang-Kwan Lee, Sang Bok Lee(Korea Institute of Materials Science	PP 2-43	X-ray Residual Stress Measurement of Polyamide Matrix in CFRP Under Cryogenic Temperature <u>Dai Hashimoto</u> , Yuya Uesaki, Masayuki Nishida(Kobe City College of Technology)	
PP 2-30	Injection Molding of Mechanoluminescent Composite Wheels <u>Hyeon Kyeong Kim</u> , Young Seok Song(Dankook Univesity)	Processing and Manufacturing		
PP 2-31	Analysis of Sepiolite Embedded PVA Film So Yeon Ahn, Young Seok Song(Dankook University)  Luminescent Properties of Functionally Graded Copper-Zinc Sulfide Phosphor Jehong Park, Seokgyu Lim(Next Generation Materials Co.,Ltd), Akira Kawasaki(Tohoku University), Marc Leparoux(Empa), Kwangjae Park(Pukyong National University), Hansang Kwon(Next Generation Materials Co.,Ltd, Pukyong National University)	PP 2-44	Study on Optimization of High-thermal Resistant Epoxy Resin Compounding for Automobile Using Design of Experiments <u>Eunsong Lee</u> (Korea Institute of Materials Science , Pusan National University), Dong Gi Seong, Moon-Kwang Um, Jin-Woo Yi(Korea Institute of Materials Science ), Wonho Kim(Pusan National University)	
PP 2-32		PP 2-45	Manufacturing and Characterization of Poly(Lactic Acid)/Halloysite Composite Materials  Bo Ram Lee(Korea Institute of Industrial Technology, Hanyang University), Si-Hoon Jang, No-Hyung Park(Korea Institute of Industrial Technology)	
	Nano-composites and Nanotechnology	PP 2-46	Assessment of Particle Distribution in Particle-containing Composite Materials Ji Hoon Lee, <u>Seung Mo Kim</u> (Korea University of Technology and Education)	
PP 2-33	3D Nano-architecture of Highly Efficient OER Catalysts		,	
	Seok-Hu Bae, Ji-Eun Kim, Il-Kwon Oh(Korea Advanced Institute of Science and Technology)		Recycling	
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PP 2-35	Photoluminescence (PL) of WSe <sub>2</sub> /Cy <sub>3</sub> -dye Hybrid Han Kyu-Hyun, S. G. Jo, J. Joo(Korea University), J. Kim(Sungkyunkwan University)	PP 2-48	Soobin Park, Seunggu Kang(Kyonggi University)  A Kinetic Study on the Supercritical Decrosslinking Reaction of Silane-crosslinked Polyethylene Using a	
PP 2-36	Morphological Evolution in Natural Rubber Network in Clay Compatibilized Natural Rubber/ Polypropylene Blends Crosslinkėd with Phenolic Resin Natinee Lopattananon, Abdulhakim Masa, Azizon Kaesaman(Prince of Songkla University), Hiromu Saito(Tokyo University of Agriculture and Technology), Tadamoto Sakai(Shizuoka University)		Continuous Reactor <u>Burn Ki Baek</u> (Korea Institute of Science and Technology, Yonsei University), Yun Ho La(Korea Institute of Science and Technology, Hanyang University), Jun Pyo Hong, Seok Jin Noh, Chong Min Koo, Soon Man Hong(Korea Institute of Science and Technology), Haksoo Han(Yonsei University)	
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PP 2-38	Internal Structure Analysis Using Non-destructive Analysis for Dispersion of the Filler in the Polymer		Sandwich Technologies	
11 2-30	Nanocomposites  Hyun Su Kim, Seong Yun Kim(Korea Institute of Science and Technology	PP 2-50	Effect of Adhesive Quantity on Failure Behavior and Mechanical Properties of Fiber Metal Laminates Based on the Aluminum-lithium Alloy Huaguan Li, <u>Jie Tao</u> , Xuelong Fu(Nanjing University of Aeronautics and Astronautics)	