

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

Presentation No. (Poster Board no.)	Reference No.	G10. Modelling and Simulation
POG10-01	S10-185	Determination of Strain Rate Dependent Thermal Damage Behavior of Thermoplastic Materials for Crash Applications <i>Christian Hopmann, Jan Klein, Maximilian Schöngart* (RWTH Aachen University, Germany)</i>
POG10-02	S10-490	Optimal Design of Blow Molding Head with PETG by Numerical Simulation <i>Y. Shin¹, S. Lee¹, S. Park² Hong In-kwon^{1*} (¹Dankook University, ²Midochem Co. Korea)</i>
POG10-03	S10-533	Simulation of the Twin-sheet Forming Process using Polypropylene Foam for an Automotive Interior Component <i>Sun Kyoung Jeoung¹, Youn Ki Ko^{1*}, Hyung Bae Lee², Jang Hun Lee² (¹Korea Automotive Technology Institute, ²YOUNGBO Chemical Co. Ltd., Korea)</i>
POG10-04	S10-536	Numerical Analysis of Dynamic Behavior of a Jounce Bumper Considering Viscoelastic Characteristics of Micro-cellular Polyurethane Foam <i>Yun Gak Kim¹, Youn Ki Ko^{1*}, Min Gyu Kim², Seung Mu Huh², Jae Yeol Choi³, Young Gil Kim³ (¹Korea Automotive Technology Institute, ²Kumho Petrochemical, ³Daeheung R&T Co., Ltd., Korea)</i>
POG10-05	S10-548	Investigation of the Cure Kinetics of an Epoxy Resin by Advanced Isoconversional and Model-fitting Methods <i>Ali Hosseinpour¹, Hossein Nazockdast^{1*}, Tayebeh Behzad², Hamid Reza Salimi Jazi² (¹Amirkabir University of Technology, ²Isfahan University of Technology, Iran)</i>
POG10-06	S10-211	Study on Conformity Between Fractional Zener Model and Rheological Behavior of PP/PA6/MWCNTs Blends Nanocomposites <i>Sajad Sheikhi, Azizeh Javadi*, Mostafa Keshavarz Moraveji (Amirkabir University of Technology, Iran)</i>
Presentation No. (Poster Board no.)	Reference No.	G11. Polymer Composites
POG11-01	S11-54	Flame-retardant Coatings based on Inorganic Nano-fillers for Wood Applications <i>Regine Boldt^{1*}, Andreas Leuteritz¹, Maria Auf der Landwehr¹, Udo Wagenknecht¹, Gert Heinrich^{1,2} (¹Institut für Polymerforschung Dresden e.V., ²Institut für Werkstoffwissenschaft, Germany)</i>
POG11-02	S11-70	Keratin Fiber Effect on Thermal Stability of a Starch Base Biopolymer <i>Guadalupe Sanchez-Olivares^{1*}, Fausto Calderas¹, Luis Medina-Torres², Víctor Ramírez¹, Octavio Manero³ (¹CIATEC, A.C., ²Universidad Nacional Autónoma de México, ³Universidad Nacional Autónoma de México, Mexico)</i>
POG11-03	S11-101	Extrusion-ultrasound on Polypropylene, Clay, Carbon Nanotubes and Nanographite Nanocomposites <i>Ricardo Perez, A. Sanchez-Solis*, Aurora Ponce, Fausto Calderas, Octavio Manero (UNAM, Mexico)</i>
POG11-04	S11-102	Microfibrillated Cellulose Reinforced Bio-based Poly(propylene carbonate) with Dual-responsive Shape Memory and Self-healing Properties <i>Xiaodong Qi, Guanghui Yang, Mengfan Jing, Qiang Fu* (Sichuan University, China)</i>
POG11-05	S11-107	The Effect of Epoxidized Soybean Oil on Mechanical and Rheological Properties of Poly (butylene succinate)/Lignin via Vane Extruder <i>Huangyu Liu, Zhaoxia Huang, Jinping Qu*, Cong Mong (South China University of Technology, China)</i>
POG11-06	S11-109	Preparation and Properties of PA6/CSW Composites via Vane Extruder <i>Haichen Zhang, Jianbo Li, Li Yang, Guizhen Zhang, Jinping Qu* (South China University of Technology, China)</i>
POG11-07	S11-121	Applicability Evaluation of Matrix/Binder Isotropic Spunbonded Geotextiles for Weak Ground Improvement <i>Han-Yong Jeon^{1*}, Wan-Gyu Hahm² (¹Inha University, ²Korea Institute of Industrial Technology, Korea)</i>
POG11-08	S11-122	Prediction of Long-Term Performance of Plasma Treated Geotextiles by Arrhenius Plot Analysis <i>Han-Yong Jeon^{1*}, Wan-Gyu Hahm² (¹Inha University, ²Korea Institute of Industrial Technology, Korea)</i>
POG11-09	S11-126	Thermal and Mechanical Properties of TPU/PBT Reinforced by Carbon Fiber <i>Jintao Huang, Huangyu Liu, Xiang Lu, Jinping Qu* (South China University of Technology, China)</i>
POG11-10	S11-133	Light Diffusing Behaviors of Polypropylene/Ethylene vinyl Acetate Copolymer Blending Materials <i>Shanshan Luo, Jiabin Shen, Shaoyun Guo* (Polymer Research Institute of Sichuan University, China)</i>
POG11-11	S11-160	Reinforcing and Toughening Polypropylene via Morphology Control of Self-assemblable Beta Nucleating Agent <i>Yijun Li*, Min Nie, Qi Wang (Sichuan University, China)</i>
POG11-12	S11-162	Towards Tunable Sensitivity of Resistivity-Strain Behavior for Conductive Polymer Composites Based on Thermoplastic Vulcanizates (TPV) <i>Lifeng Ma, Wei Yang* (Sichuan University, China)</i>
POG11-13	S11-170	The Method to Quantify the Degree of Dispersion for PP/MA-g-PP/Clay <i>Mingeun Kim, Kyu Hyun* (Pusan National University, Korea)</i>
POG11-14	S11-192	Thermal Properties of Hemp Fiber Filled Polyamide 1010 Biomass Composites and the Blend of These Composites and Polyamide 11 Elastomer <i>Yosuke Nishitani^{1*}, Jun Mukaida¹, Toshiyuki Yamanaka², Tetsuto Kajiyama², Takeshi Kitano³ (¹Kogakuin University, ²Tokyo Metropolitan Industrial Technology Research Institute, Japan, ³Tomas Bata University in Zlin, Czech)</i>
POG11-15	S11-193	Effects of Flow Modifiers in Glass Fiber Reinforced Polyamide 66 <i>HwanSeok Choi¹, Sung Min Ha¹, Hee Seok Song¹, Byoung Gak Kim¹, Yong Seok Kim¹, Jong Chan Won¹, Young Gil Kim², Youngjae Yoo¹ (¹Korea Research Institute of Chemical Technology, ²Daeheung R&T Co., Ltd., Korea)</i>
POG11-16	S11-196	Manufacturing the Surface treated Carbon Fiber (CF)/Polymer Composite using Film Lamination Method <i>Bo Ram Lee, Si-Hoon Jang, Dae Young Lim, No-Hyung Park* (Korea Institute of Industrial Technology, Korea)</i>

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

POG11-17	S11-208	Temperature-sensitive Release of Light-sensitive Nanofiber <i>Huangying Guo, Jin-Chul Kim* (Kangwon National University, Korea)</i>
POG11-18	S11-220	Polydopamine Coating layer on Graphene for Enhancing Dielectric Properties of Poly(vinylidene fluoride)/Graphene Composites <i>Yuhan Li, Mingfeng Fan, Feng Chen* (Sichuan University, China)</i>
POG11-19	S11-221	Largely improved Thermal-oxidative Stabilization Efficiency of Antioxidant on Polypropylene by Incorporating Thermally Reduced Graphene <i>Junlong Yang, Yajiang Huang*, Yadong Lv, Guangxian Li (Sichuan University, China)</i>
POG11-20	S11-227	Glucose-sensitive Lipid Gel Containing Amphiphilic Acidic Polypeptide and Hydrophobically Modified Glucose Oxidase <i>Kyeongnan Kwon, Jin-chul Kim* (Kangwon National University, Korea)</i>
POG11-21	S11-232	Photooxidation Behavior of Poly(butylene succinate)/ZnO Nanocomposites <i>Yang Zhang, Jun Xu, Baohua Guo* (Tsinghua University, China)</i>
POG11-22	S11-233	Preparation of UHMWPE Fabric Reinforced Composite by Vacuum-assisted Resin Transfer Molding Process <i>Young-Ah Kang¹, Seung-Hee Oh¹, A-Rong Kim¹, Sun-Mi Hong¹, Hyun-Seuk Cho², Jong S. Park^{1*} (¹Dong-A University, ²Korea Dyeing & Finishing Technology Institute, Korea)</i>
POG11-23	S11-256	Development of the Impregnated Woven Carbon and Glass Continuous Fiber Reinforced Thermoplastic Composites for Press and Injection Molding Process <i>Jongwook Lee*, Sungwon Ma, Sehoon Kim, Changhyoo Choi, Dongwoo Lee (Lotte Chemical Corp., Korea)</i>
POG11-24	S11-268	Study of Mechanical Deformation on the Electrical Conductivity of High-styrene-butadiene Rubber Compounds <i>Yujin So, Changsin Park, Hangil Kim, Jonghwan Lee, Yeonju Lee, Changwoon Nah* (BK21 Plus Haptic Polymer Composite Research Team of Chonbuk National University, Korea)</i>
POG11-25	S11-277	Structuring Ultralow Electrical Percolation Threshold via a Candidate Tri-continuous Structure in Ternary Polymer Blends <i>Bo Yin*, Rui Dou, Mingbo Yang (Sichuan University, China)</i>
POG11-26	S11-286	Influence of Processing Sequence on the Tribological Properties of VGCF-X/PA6/SEBS Composites <i>Yu Osada¹, Yosuke Nishitani^{1*}, Takeshi Kitano² (¹Kogakuin University, Japan, ²Tomas Bata University in Zlin, Czech Republic)</i>
POG11-28	S11-340	Rheological and Mechanical Properties of Highly Filled Polyolefin Based on PP/Barium Sulfate <i>Fatemeh Kohandel¹, Saeed Shafiei Sararoudi^{1*}, Leila Barangi² (¹Islamic Azad University, ²Petrochemical Research and Technology Co., Tehran, Iran)</i>
POG11-29	S11-375	Effect of Coupling Agents and Ionic Liquid on the Properties of Novel Rice Bran Carbon/Carboxylated Styrene Butadiene Rubber Composites Fabricated by Latex Compounding Method <i>Yinhang Zhang, Ur Ryong Cho* (Korea University of Technology and Education, Korea)</i>
POG11-30	S11-385	Structures and Physical Properties of Polyethylene/Boron Nitride Composites by Reactive Extrusion <i>Bum Ki Baek^{1,2}, Seunggun Yu¹, Yun Ho La¹, Jun Pyo Hong¹, Chong Min Koo¹, Soon Man Hong^{1*} (¹Korea Institute of Science and Technology, ²Yonsei University, Korea)</i>
POG11-31	S11-387	Compatibilization of Immiscible Blends of Poly(lactic-acid) and Acetylated Lignin <i>Youngjun Kim, Hee-Won Seo, Hanna Sun, Sanghoon Kim, Jung-Pyo Hong, Junsuk Oh, In-Kyung Park, Jun-Ho Lee, Jae-Do Nam* (Sungkyunkwan University, Korea)</i>
POG11-32	S11-389	Ultrasonic Filler Migration Effect on Silica Particle Incorporated Glass Fiber Reinforced Epoxy Composites <i>Ye Chan Kim¹, Hyunsung Min², Sung Yong Hong¹, Sang Hoon Kim¹, Mei Wang¹, Jonghwan Suhr¹, Kwang Jin Kim³, Woosoon Yim³, Jae-Do Nam^{1*} (¹Sungkyunkwan University, ²LG Chem, Ltd., Korea, ³University of Nevada, USA)</i>
POG11-33	S11-399	EVA/MMT Nanocomposite Foam by using Supercritical Fluid Carbon Dioxide <i>Hee Won Seo¹, Young Jun Kim¹, Sanghoon Kim¹, Jun-Ho Lee¹, Jonghwan Suhr¹, Hwa Yong Kim², Soo Hyun Kim³, Jae-Do Nam^{1*} (¹Sungkyunkwan University, ²Seoul National University, ³Korea Institute of Science and Technology, Korea)</i>
POG11-34	S11-405	Fiber Length and Mechanical Properties of the Composite According to Carbon Fiber's Modulus <i>Hee Jeong Won, Dong Gi Seong, Wonoh Lee, Moon Kwang Um, Jin Woo Yi* (Korea Institute of Materials Science, Korea)</i>
POG11-35	S11-411	Adhesion between Reinforcing Fibers and Silicone Rubber/POSS Composites <i>Humeyra Sirin, Mehmet Kodal, Bagdagul Karagac, Guralp Ozkoc* (Kocaeli University, Turkey)</i>
POG11-36	S11-421	Effect of Surface Modified Cellulose Nanocrystals on the Properties of Polylactide Nanocomposites <i>Sang Ho Park, Seong Hun Kim* (Hanyang University, Korea)</i>
POG11-37	S11-423	Non-isothermal Crystallization Behavior and Characterization of Polylactide (PLA)/ Acetylated Cellulose Nanocrystals (ACN)/ SiO₂ Composite <i>Seok Han Myoung, Seong Hun Kim* (Hanyang University, Korea)</i>
POG11-38	S11-424	Bio based Polyurethane/Modified Silica Composite Nanofiber by Electrospinning <i>Yeon Sung Ryu, Seong Hun Kim* (Hanyang University, Korea)</i>
POG11-39	S11-430	Synthesis and Characterization of Microcrystalline Cellulose-graft-poly(Methyl Methacrylate) Copolymers and their Application as Rubber Reinforcements <i>Fei Deng, Ur Ryong Cho* (Korea University of Technology and Education, Korea)</i>
POG11-40	S11-432	Grafting Poly(Methyl methacrylate) onto Chitosan (CS) for Reinforcement of Natural Rubber (NR) <i>Xiangxu Li, Ur Ryong Cho* (Korea University of Technology and Education, Korea)</i>
POG11-41	S11-441	Effect of Polyethyleneimine/Graphene Oxide on Mechanical Behaviors of Carboxymethyl Cellulose

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

		<i>Yeong-Rae Son, Woo-Seok Kang, Soo-Jin Park* (Inha University, Korea)</i>
POG11-42	S11-442	Preparation and Performances of Poly(vinyl alcohol)/Wood Powder Composite Prepared by the Solid State Shear Milling <i>Pan He*, Shibing Bai, Qi Wang (Sichuan University, China)</i>
POG11-43	S11-444	Effect of Acid Treatment of H₂SO₄/HNO₃ Ratio for Improving Interlaminar Shear Strength and Fracture Toughness of Basalt Fibers and Epoxy Composites <i>Seong-Ock Lee, Young-Taek Ham, Soo-Jin Park* (Inha University, Korea)</i>
POG11-44	S11-455	Flame Retardancy and Thermal Stability of Polyurethane Foam Composites containing Carbon Additives <i>Pyoung-Chan Lee^{1*}, Bo-Ram Kim¹, Sun Kyoung Jeoung¹, Geesoo Lee¹, Sang Wook Han¹, Hyunchul Kim¹, Ki-Dong Lee², Joo-Kwon Han²</i> <i>(¹Korea Automotive Technology Institute, ²NVH Korea Co.,Ltd., Korea)</i>
POG11-45	S11-456	Electromagnetic Interference Shielding Effectiveness of Polypropylene/Conducting Fiber Composites <i>Pyoung-Chan Lee^{1*}, Bo-Ram Kim¹, Sun Kyoung Jeoung¹, Yeung Keun Kim²</i> (¹ Korea Automotive Technology Institute, ² Win & Win Co., Ltd., Korea)
POG11-46	S11-463	Investigation of Tensile Behavior of Poly(lactic Acid)/SiC Composite with diverse SiC Content <i>Jong Rok Ha¹, Byung Sun Kim², Hyoung Seock Seo^{1*}</i> (¹ Research Institute of Medium and Small Shipbuilding, ² Korea Institute of Materials Science, Korea)
POG11-47	S11-477	Study on Properties of CFRP Fabricated by VA-RTM Process <i>Sun Kyoung Jeoung¹, Ye Jin Hwang¹, Hyun Wook Lee¹, Soon Keun Son², Hyung Sik Kim², Jin Uk Ha</i> (¹ Korea Automotive Technology Institute, ² Ilji Tech Co., Ltd, Korea)
POG11-48	S11-483	Preparation and Physical Properties of Polypropylene/Thermoplastic Polyester Elastomer blends <i>Yeong Gon Kim, Minjae Kim, Yeongseon Kim, Sang Eun Shim* (Inha University, Korea)</i>
POG11-49	S11-491	Fabrication and Characterization of Silica-coated Multi-walled Carbon Nanotubes/PDMS or Epoxy Composites <i>Yeong Gon Kim, Kyunghee Kim, Yeongseon Kim, Sang Eun Shim* (Inha University, Korea)</i>
POG11-50	S11-495	Effect on Thermal Stability and Oxidation Resistance of Carbonized Pitch-Coated Silicon Carbide Composites <i>Myung-Seok Kim, Gi-Joo Shin, Soo-Jin Park* (Inha University, Korea)</i>
POG11-51	S11-497	Influence of Concentration of Thermal Latent Catalysts on Cure System of Epoxy resin <i>Ji-Moon Jeong, Soo-Jin Park* (Inha University, Korea)</i>
POG11-52	S11-508	Investigation on Various Deformation modes of Fiber Preform in High Pressure Resin Transfer Molding <i>Shino Kim¹, Wonho Lee¹, Moon Kwang Um¹, Chi-Hoon Choi², Dong Gi Seong^{1*}</i> (¹ Korea Institute of Materials Science, ² Hyundai Motor Group, Korea)
POG11-53	S11-513	Research for Characteristics of Acetylated Lignin / LLDPE Composite Films <i>Woojin Jang¹, Youngjun Kim¹, Sanghoon Kim¹, Myeong Gi Kim², Heewon Seo¹, Jun-Ho Lee¹, Jae-do Nam^{1*}</i> (¹ Sungkyunkwan university, ² Samsung Electro-mechanics, Korea)
POG11-54	S11-523	Measurement of Flow-induced Fiber Orientation in Cellulose Nanofiber Suspension <i>Kazunori Yasuda*, Katsuhiko Ando, Yukiharu Iwamoto, Motosuke Sogo (Ehime University, Japan)</i>
POG11-55	S11-528	Continuous Measurement of Permeability of Fiber Mat with various Volume Fractions in Liquid Composite Molding <i>Jung Soo Kim¹, Jong Rok Ha², Shino Kim¹, Moon Kwang Um¹, Chi-Hoon Choi³, Dong Gi Seong^{1*}</i> (¹ Korea Institute of Materials Science, ² Research Institute of Mid&small Shipbuilding, ³ Hyundai Motor Group, Korea)
POG11-56	S11-567	Mechanical and Thermal Properties of Glassfiber/CaCO₃/PP Composite and PP/EPDM Blend for Filter Module Parts <i>Yeongseon Kim, Yeong Gon Kim, Mincheol Lee, Sang Eun Shim* (Inha University, Korea)</i>
POG11-57	S11-582	Determination of Epoxy/Anhydride Mixing Ratio for the Highly Silica Filled Compounds with Chromium (III) Octoate Catalyst <i>Noori Lee¹, Dong-Hoon Lee¹, Kihyun Kim¹, Seok Hwan Lim¹, Sangdae Lee¹, Sung Yun Kang², Seungkil Seo², Byung Lae Rho³, Wonho Kim^{1*}</i> <i>(¹Pusan National University, ²Hanwha Corporation, ³Agency for Defense Development, Korea)</i>
POG11-58	S11-623	Development of High-speed Reactive Processing System for Fiber-reinforced Anionic Polyamide-6 Composite <i>Sang-Woo Kim, Sang Su Yoon, Dong Gi Seong, Wonoh Lee, Jin-Woo Yi, Moon-Kwang Um, Jea Uk Lee*</i> (Korea Institute of Materials Science (KIMS), Korea)
POG11-59	S11-697	A Study on the Curing Behavior of Vinyl Ester Resin with Functionalized Graphene Nanoplatelets <i>Jinsil Cheon, Hwi Yong Lee, Donghwan Cho*</i> (Kumoh National Institute of Technology, Korea)
POG11-60	S11-698	Processing and Properties of Unidirectional Silk Fibroin Fiber/PBS Biocomposites Crosslinked by Radiation <i>Hwi Yong Lee¹, Jinsil Cheon¹, Oh Hyeong Kwon¹, Won Ho Park², Donghwan Cho^{1*}</i> (¹ Kumoh National Institute of Technology, ² Chungnam National University, Korea)
POG11-61	S11-700	Anisotropic Thermal Expansion Property of Continuous Carbon Nanotube Reinforced Composites <i>Ji Yeon Kim¹, Hyung-Ick Kim², Myoungrae Cho³, Jonghwan Suhr¹</i> (¹ Sungkyunkwan University, ² Korean Institute of Industrial Technology, ³ Induk University, Korea)
POG11-62	S11-142	Toughening of Wood Plastic Composite Based on X-PP <i>U. Meekuma, A. Khongrit (Suranaree University of Technology, Thailand)</i>
Presentation No. (Poster Board no.)	Reference No.	G12. Rubber Processing and Technology
POG12-01	S12-199	Temperature Dependent Flocculation behavior of Silica Filled Styrene Butadiene Rubber and its Effect to Mechanical Properties <i>Juqiao Su, Qi Yang*, Yajiang Huang, Xia Liao (Sichuan University, China)</i>
POG12-02	S12-281	Fabricating Optical Actuator using Dielectric Elastomer

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

		<i>Sang Woo Park, Ji Hyeon Lee, Gi-Bbeum Lee, Seok In Kang, Jimin Ha, Changwoon Nah* (BK21 Plus Haptic Polymer Composite Research Team of Chonbuk National University, Korea)</i>
POG12-03	S12-366	Mechanical Properties and Recyclability of Ionic Thermoplastic Elastomer based on Citraconated EPDM with Amino Acids <i>Jungsoo Kim¹, Jongwoo Bae¹, Jinhyok Lee¹, Younghee Lee², Hando Kim^{2*} (¹Korea Institute of Footwear and Leather Technology, ²Pusan National University, Korea)</i>
POG12-04	S12-429	Investigation on Mechanical, Thermal and Tribological Properties of Acrylonitrile Butadiene Rubber/Bentonite Nanocomposites Synthesized by A Novel One-Step Method <i>Xin Ge, Ur Ryong Cho* (Korea University of Technology and Education, Korea)</i>
POG12-05	S12-434	The Preparation of the Quaternary Copolymers according to the Polymerization time <i>Dong Gyu Jeon^{1,2}, Jung Soo Kim¹, Ji Hoon Jang^{1,2}, Jin Hoon Kim^{1,2}, Young Wook Chang², Hyo Jin An¹, Jun Sung Park³, Dong Hyun Kim^{1*} (¹Korea Institute of Industrial Technology, ²Hanyang University, ³SR TECHNOPACK Co., Ltd., Korea)</i>
POG12-06	S12-436	The Synthesis and Characterization of Novel Thermoplastic Elastomer with High Polarity <i>Ji Hoon Jang^{1,2}, Dong Gyu Jeon^{1,2}, Jung Soo Kim¹, Jin Hoon Kim^{1,2}, Young Wook Chang², Yi Na Yoon¹, Ki Bum Kim³, Hong Ju Yang³, Dong Hyun Kim^{1*} (¹Korea Institute of Industrial Technology (KITECH), ²Hanyang University, ³SRTECHNOPACK Co., Ltd, Korea)</i>
POG12-07	S12-556	Study on the Microwave Cross-linking Mechanism of Elastomer Utilizing the Percolation behavior of CNT <i>Takuya Shiotani¹, Yoshihiro Yamashita^{2*}, katsuhisa Tokumitsu² (¹Tokyo Institute of Technology, ²The University of Shiga Prefecture, Japan)</i>
POG12-08	S12-580	Characterization of Plasticized 1,2,3-Triazole Crosslinked Polymers based on Azide Chain-ends Prepolymers and a Dipolarophile Curing Agent as Solid Propellant Binders <i>Dong-Hoon Lee, Kihyun Kim, Noori Lee, Seok Hwan Lim, Sangdae Lee, Wonho Kim* (Pusan National University, Korea)</i>
POG12-09	S12-581	1,2,3-Triazole Crosslinked Polymers as Binders for Solid Propellant Binders <i>Dong-Hoon Lee, Kihyun Kim, Noori Lee, Seok Hwan Lim, Sangdae Lee, Wonho Kim* (Pusan National University, Korea)</i>
POG12-10	S12-590	Hyperbranched Polymer as a Soft Segment Modifier for Copoly(Ether Ester) Elastomers <i>Kang Ryul Kim, Sung Jin Byeon, Min Seon Heo, Il Kim* (BK21 PLUS Center for Advanced Chemical Technology, Pusan National University, Korea)</i>
POG12-11	S12-594	Novel Multifunctionalized Polyolefin-based High-temperature Thermoplastic Elastomer via Anionic Living Graft Polymerization Followed by Click Reaction <i>Bumjae Lee^{1*}, S.M. Lee¹, S. B. Park¹, W. B. Ying¹, H. W. Lee¹, D. H. Kim² (¹Chungnam national University, ²Korea Institute of Industrial Technology, Korea)</i>
POG12-12	S12-607	Effect of Carbon Fiber and Carbon Nanotube for Sidewall Reinforcing Layer Compound of Run-Flat Tire <i>Sangdae Lee, Kihyun Kim, Seok-Hwan Lim, Dong-Hoon Lee, Noori Lee, Wonho Kim* (Pusan National University, Korea)</i>
POG12-13	S12-608	Diethylaminoethyl Methacrylate Styrene-Butadiene Rubber (DEAEMA-SBR) for Silica Filled Compounds <i>Seok-Hwan Lim, Kihyun Kim, Sangdae Lee, Dong-Hoon Lee, Noori Lee, Wonho Kim* (Pusan National University, Korea)</i>
POG12-14	S12-609	Evaluation of the Cure Systems for SSBR-Silica Compounds <i>Seok-Hwan Lim¹, Kihyun Kim¹, Sangdae Lee¹, Dong-Hoon Lee¹, Noori Lee¹, Nam Park², Wonho Kim^{1*} (¹Pusan National University, ²Nexentire, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	G13. Advanced Polymer Materials
POG13-01	S13-104	Three-Dimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration <i>Seungmi Ryu, Choonghyeon Lee, Jyongsik Jang, Byung-Soo Kim* (Seoul National University, Korea)</i>
POG13-02	S13-119	Polyethylene Powder Surface Treatment by Surface Dielectric Barrier Discharge Plasma <i>Dong Chan Seok^{1*}, Hyun Young Jeong², Yong Ho Jung¹, Seungryul You¹ (¹National Fusion Research Institute (NFRI), ²Kunsan National University, Korea)</i>
POG13-03	S13-120	Aggregation Free Surface Treatment of PTFE Powder by Surface Dielectric Barrier Discharge Plasma <i>Dong Chan Seok^{1*}, Hyun Young Jeong², Yong Ho Jung¹, Seungryul You¹ (¹National Fusion Research Institute(NFRI), ²Kunsan National University, Korea)</i>
POG13-04	S13-149	Viscoelastic Properties of TR Fluids Constructed with Several of Spherical Polyethylene Particles <i>Yuri Kanazawa, Toru Ohkuma, Yusuke Hasabe, Kouki Hirakawa, Ryoko Nakano, Hiroshi Sekiguchi, Shigeru Yao* (Fukuoka University, Japan)</i>
POG13-05	S13-169	Thermo-optical Properties of Polymer Dispersed Liquid Crystals on Film Heater <i>Dongho Wee¹, Soon Hyoung Hwang¹, Young Seok Song², Jae Ryoung Youn^{1*} (¹Seoul National University, ²Dankook University, Korea)</i>
POG13-06	S13-178	Grafting of Microcrystalline Cellulose with Poly (L-lactide) by Melt Polycondensation <i>Sun Hua, Ming-Bo Yang* (Sichuan University, China)</i>
POG13-07	S13-245	Cancer Extracellular Matrix Targeted Nanoparticles for Anti-cancer therapy <i>Min Sup Kim, Sang Jun Park, Bon Kang Gu, Kee-Ho Lee, Min Young Lee, Hyun-Jin Shin, Chun-Ho Kim* (Korea Institute of Radiological and Medical Sciences, Korea)</i>
POG13-08	S13-247	Highly Aligned Chitin/PANi Nanofiber Scaffolds for Tissue Engineering Applications <i>Bon Kang Gu, Sang Jun Park, Min Sup Kim, Wheemoon Cho, Eunsun Lee, Chun-Ho Kim* (Korea Institute of Radiological and Medical Sciences, Korea)</i>
POG13-09	S13-248	The Preparation of Poly(carboxylic acrylate) Particles using Suspension Polymerization <i>Jin-Hee Kim¹, Si-Hoon Jang¹, Dong-Hyun Kim¹, Jin Sub Choi², No-Hyung Park^{1*} (¹Korea Institute of Industrial Technology, ²Inha University, Korea)</i>

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

POG13-10	S13-263	Light-Driven Actuation of Microstructured Liquid Crystalline Polymer Networks <i>Jeong Jae Wie^{1*}, Hangbo Zhao¹, Davor Copic², Alvin Orbaek White¹, Sanha Kim¹, A. John Hart¹ (¹Massachusetts Institute of Technology, ²University of Michigan, USA)</i>
POG13-11	S13-265	Fabrication of Cage-structured TiO₂ Particle by Anodic Oxidation <i>Ju Hyun Lee, Gumhye Jeon, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG13-12	S13-274	Micro Aligned Polymeric Actuator by Electromagnetic Force <i>Jae Yong Lee, Gumhye Jeon, Jin Kon Kim (Pohang University of Science and Technology (POSTECH), Korea)</i>
POG13-13	S13-352	Fabrication and Characterization of Polymer Microneedle Arrays for Transdermal Delivery of Cosmetic Ingredients <i>Bumsang Kim^{1*}, Yonghun Park¹, Jong Hwan Sung¹, Gwi Suk Chu², Kyu Sik Kim² (¹Hongik University, ²Mizon, Korea)</i>
POG13-14	S13-354	Baroplastic Property of Phase Behaviors in Compressible Block Copolymer Blends <i>Yonghoon Lee, Yeongsik Kim, Hye Rin Yoon, Du Yeol Ryu* (Yonsei University, Korea)</i>
POG13-15	S13-368	Heat Resistance Polymer Particles using Silicone Polymer and PMMA for Extrusion of Optical Diffusion Plate <i>Ki-Beom Eom, Jin-Woo Bae, Jun-Hyup Lee, Jong-Pyo Wu* (Myongji University, Korea)</i>
POG13-16	S13-371	Morphology and Properties of Multiphase Systems, based on Renewable Thermoplastic Polyurethane and Polyamide synthesized from Dimer Fatty Acids <i>Marie Reulier, Luc Avérous (Université de Strasbourg, France)</i>
POG13-17	S13-406	An Effect of Thermal Molecular Motion on Carrier Formation Kinetics in a Poly(3-hexylthiophene) Film <i>Yudai Ogata, Daisuke Kawaguchi, Keiji Tanaka* (Kyushu University, Japan)</i>
POG13-18	S13-408	Use of Amphiphilic Triblock Copolymers for Removal of Hydrophobic Toluene from Contaminated Media <i>Intae Son, Jae Hong Kim, Byoungsun Lee, Chunho Kim, Ji Yong Yoo, Jong-Pyo Wu, Jun Hyup Lee* (Myongji University, Korea)</i>
POG13-19	S13-409	Homeotropic Photoalignment of Liquid Crystals using Reactive Polyimide Alignment Layer <i>Intae Son, Jae Hong Kim, Byoungsun Lee, Chunho Kim, Ji Yong Yoo, Jong-Pyo Wu, Bongjun Yeom, Jun Hyup Lee* (Myongji University, Korea)</i>
POG13-20	S13-478	Hydrogen Storage Capacity of Silica-templated Porous Carbons Derived from Polythiophene <i>Jung-Yun Choi, Soo-Jin Park* (Inha University, Korea)</i>
POG13-21	S13-482	Fabrication of Thermally Expandable Microspheres via Pickering Suspension Polymerization using Halloysite Nanotubes <i>Jeong Gon Kim¹, Yeong Gon Kim¹, Jin Uk Ha², Sang Eun Shim^{1*} (¹Inha University, ²Korea Automotive Technology Institute, Korea)</i>
POG13-22	S13-504	Amine-functionalized Macroporous Microspheres for HF Removal from Aqueous Solution <i>Sang Goo Lee, Jong-Wook Ha*, Bong Jun Chang (Korea Research Institute of Chemical Technology, Korea)</i>
POG13-23	S13-511	Suspension Rheology of Hydrophobically Modified Associative Nanoparticles in Complex Aqueous Polymer Solutions <i>Tae Seung Yang, Sang Koo Choi, Jin Woong Kim* (Hanyang University, Korea)</i>
POG13-24	S13-512	Smart Nanofluids Containing of Magnetic Nanoparticles Grafted with Hydrophobically Interactive Zwitterionic Polymers <i>Sang Koo Choi, Tae Seung Yang, Jin Woong Kim* (Hanyang University, Korea)</i>
POG13-25	S13-557	New Active Packaging Film Containing Natural Antioxidants <i>O. S. Carneiro^{1*}, G. Azevedo¹, M. Nóbrega¹, A. V. Machado¹, D. Costa², A. T. Silva² (¹University of Minho, ²National Institute of Health, Portugal)</i>
POG13-26	S13-563	Characterization of Advanced Composites Processing for Aerospace Application <i>Ho-Sung Lee, Kyung Ju Min (Korea Aerospace Research Institute, Korea)</i>
POG13-27	S13-686	The Preliminary Study on Polyacrylamide with Dendritic Branches <i>Shanshan Dai^{1,2}, Longjie Wang¹ (¹Southwest Petroleum University, ²Oil & Gas Field Applied Chemistry Key Laboratory of Sichuan Province, China)</i>
Presentation No. (Poster Board no.)	Reference No.	S1. Advanced Coating/Printing Technology
POS1-01	S14-619	Rheological Characteristics in Co-solvent Nanoparticle Suspensions: a Periodic Stress Oscillation <i>Eunhye Jang, Yoshihide Mawatari, Hiroyuki Kage, Masato Yamamura* (Kyushu Institute of Technology, Japan)</i>
POS1-02	S14-676	Calculating Interface Curvature and Contact Angle with NURBS for Coating Flow Analysis <i>Hyeyoung Hong, Jaewook Nam* (Sungkyunkwan University, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	S2. Advanced Electronics/Display Materials & Processing
POS2-01	S15-30	Highly Transparent and Deformable Ag Nanowire Transparent Electrode <i>Chang Su Kim*, Myungkwan Song, Dong-Ho Kim (Korea Institute of Materials Science (KIMS), Korea)</i>
POS2-02	S15-36	Research on Properties of Carbon black/Polypropylene Composite by Dynamic Injection Molding <i>Ming-Chun Wu, Guang-Jian He, Zhao-Xia Huang, Li-Ying Zhou, He-Zhi He* (South China University of Technology, China)</i>
POS2-03	S15-73	Hydrogen Bond Actuated Self-assembly of Reduced Graphite Oxide Hydrogel <i>Yang Liu, Wei Yang* (Sichuan University, China)</i>
POS2-04	S15-105	Research on Electromagnetic Interference Shielding Effectiveness of Sisal Fiber/Carbon black/HDPE Composites by Tri-Screw Extrusion Molding <i>Li-Ying Zhou, Ming-Chun Wu, Zhao-Xia Huang, He-Zhi He* (South China University of Technology, China)</i>

PPS-31_Poster Presentation List – Day 2 / June 10 (Wednesday)

POS2-05	S15-269	Graphene Nanomesh and Graphene Nano-ribbon Field-Effect Transistor using Block Copolymer patterns <i>Seungkyoo Park, Beomjin Park, Kyuseong Lee, Seung Hyun, Jin Kon Kim* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POS2-06	S15-275	Tuning the Photophysical and Optoelectronic Properties of Green and Yellow Light-emitting Cationic Iridium Complexes <i>Chozhidakath Damodharan Sunesh, Hu Jiyun, Youngson Choe* (Pusan National University, Korea)</i>
POS2-07	S15-276	Synthesis and Characterization of an Ionic Fluorene Derivative for Light-emitting Electrochemical Cells <i>Kanagaraj Shanmugasundaram, Youngson Choe* (Pusan National University, Korea)</i>
POS2-08	S15-279	Ultra-simple Small Molecule Light Emitting Electrochemical Cells <i>Madayanad Suresh Subeasha, Youngson Choe* (Pusan National University, Korea)</i>
POS2-09	S15-365	Preparation and Application of Charged Pigment Particles for Electrophoretic Display Device <i>Ki-Beom Eom, Jun-Hyup Lee, Jong-Pyo Wu* (Myongji University, Korea)</i>
POS2-10	S15-417	Facile Route for Patterned Graphene Growth by Controlling the Chemical Structure of Polymer <i>Beomjin Park¹, Jeasung Park², Byung Hee Hong³, Kwang S. Kim⁴, Jin Kon Kim^{1*} (¹Pohang University of Science and Technology (POSTECH), ²Korea Research Institute of Standards and Science (KRISS), ³Seoul National University, ⁴Ulsan National Institute of Science and Technology (UNIST), Korea)</i>
POS2-11	S15-420	A Method to Anodize Isolated Aluminum Patterns on Plastic Substrate for Low-voltage Organic Transistors <i>Jimin Kwon, Hyungjun Kim, Jae-Joon Kim*, Sungjune Jung* (Pohang University of Science and Technology (POSTECH), Korea)</i>
POS2-12	S15-426	Solution-Processable Polyaniline Copolymers with Aromatic Non-polar and Non-aromatic Polar Side-Chains <i>Seung-Chul Lee, Chan-Keun Jung, Hoon-Joo Jung, Suck-Hyun Lee, O-Pil Kwon* (Ajou University, Korea)</i>
POS2-13	S15-427	Polymer Composites Based on MWCNT and Polyaniline Copolymers with Flexible Side-chains <i>Jong-Wan Ryu, Seung-Chul Lee, Hoon-Joo Jung, Suck-Hyun Lee, O-Pil Kwon* (Ajou University, Korea)</i>
POS2-14	S15-549	Organic Field Effect Transistors with Sensitive Gate Dielectrics based on Azobenzene Film for UV Sensor <i>Kang Eun Lee, Sang-Su Yoon, Wonoh Lee, Moon Kwang Um, Jea Uk Lee* (Korea Institute of Materials Science(KIMS), Korea)</i>
POS2-15	S15-562	Ambipolar Charge Transport of Tips-Pentacene Single-Crystals Grown from Non-Polar Solvents <i>Guobiao Xue¹, Congcheng Fan¹, Jiake Wu¹, Shuang Liu¹, Yujing Liu¹, Hongzheng Chen¹, Huolin L. Xin², Hanying Li^{1*} (¹Zhejiang University, China, ²Brookhaven National Laboratory, USA)</i>
POS2-16	S15-605	Highly Efficient Perovskite Solar cells Employing a D-A type Polymeric Hole Transport Material <i>Guan-Woo Kim¹, Jinseck Kim², Gyeongho Kang¹, Jaechul Lee², Taiho Park^{1*} (¹Pohang University of Science and Technology (POSTECH), ²LG Chem, Korea)</i>
POS2-17	S15-616	Fabrication of Stretchable and Patchable Organic Circuits based on Soft Lithography <i>Ju-Hyung Kim¹, Moon Jong Han², Soonmin Seo^{2*} (¹Pukyong National University, ²Gachon University, Korea)</i>
Presentation No. (Poster Board no.)	Reference No.	S3. Advanced Energy Materials and Processing
POS3-01	S16-143	Mono- or Few Layer Graphene Nanosheets Prepared by Solid-state Mechanochemical Milling for Lithium Ion Batteries <i>Hao Wen, Chao Liu, Binbin Guo, Chuhong Zhang* (Sichuan university, China)</i>
POS3-02	S16-367	Multifunctional Natural Polysaccharides for Electric Storage Applications <i>Gaeun Hwang, Soojin Park* (Ulsan National Institute of Science and Technology (UNIST), Korea)</i>
POS3-03	S16-480	Preparation and Characterization of Carbonized Melamine/PVDF Composites for CO₂ Adsorption <i>Min-Sang Lee, Hye Mee Yang, Soo-Jin Park* (Inha University, Korea)</i>
POS3-04	S16-484	Preparation and Characterization of PAN/PVDF composites based Porous Carbons for CO₂ Capture <i>Young-Jung Heo, Yifan Zhang, Soo-Jin Park* (Inha University, Korea)</i>
POS3-05	S16-487	Hydrogen Storage Behaviors of Microporous Carbons Derived from Poly(vinylidene fluoride) <i>Yong-Ki Choi, Tae-Woong Kim, Soo-Jin Park* (Inha University, Korea)</i>
POS3-06	S16-488	Charge/Discharge Behaviors with Electrochemical Activation of Coal-Tar-Pitch-Based Carbons <i>Poo Reum Choi, Ji Chul Jung, Myung-Soo Kim* (Myongji University, Korea)</i>
POS3-07	S16-644	Polymer-assisted Fabrication of NASICON-type Lithium Conducting Solid Electrolyte Nanoparticles <i>Xingang Liu, Chuhong Zhang* (Sichuan university, China)</i>