

Winners of Awards at ISGMA2017

Winners of Best Paper Award

Study on Process Monitoring of Elliptical Vibration Cutting by Utilizing Internal Data in Ultrasonic Elliptical Vibration Device

by Hongjin Jung(Nagoya University), Takehiro Hayasaka(Nagoya University), Eiji Shamoto(Nagoya University)

Activity Tests of Rh/Al-Ce-Zr Catalyst Coated on Metal Foam Plate for Auto-Thermal Reforming of VOC

by No-Kuk Park(Yeungnam University), Yong Han Jeong(Yeungnam University), Tae Jin Lee(Yeungnam University), Suk Hwan Kang(Institute for Advanced Engineering)

Winners of Outstanding Presenter Award

Evaluation of Microstructures of Al-Si Casting Alloy by Using Image Mean Free Path

by Kenjiro Sugio(Hiroshima University), Gen Sasaki(Hiroshima University), Junji Tabata(Hiroshima Aluminum Industry CO., LTD.), Nobuyuki Fuyama(Hiroshima Prefectural Technology Research Institute)

Thermal Comparison of Conventional and Conformal Cooling Channel Designs for a Non-Constant Thickness Screw Cap

by Eric Dimla(Universiti Teknologi Brunei), Josep Rull-Trinidad(IQS, Universitat Ram3n Llull), Guillermo Reyes(IQS, Universitat Ram3n Llull), Andres Amador Garcia-Granada(IQS, Universitat Ram3n Llull)

Application of TRIZ to the Development of Effective Protector Pads

by Chulho Yang(Oklahoma State University), Junyoung Park(Kumoh National Institute of Technology), Dongchan Lee(FRTechnology), Young Chang(Oklahoma State University)

Study on the cast process of large size spherical titanium alloy parts of ships

by Ping Yan(Shenyang Research institute of foundry), Yafei Ren(Shenyang Research institute of foundry), Youwei Zhang(Shenyang Research institute of foundry), Shibing Liu(Shenyang Research institute of foundry), Jun Zhao(Shenyang Research institute of foundry)

Development of a novel ECMP process with ionized slurry supply system

by Dasol Lee(Pusan National University), Haedo Jeong(Pusan National University), Hyunseop Lee(Tongmyong University), Seonho Jeong(Pusan National University), Jongwoo Lee(Pusan National University)

Analysis of current collecting layer with lattice structure on large area cathode for thin film solid oxide fuel cell based on simulation

by Yusung Kim(Seoul National University), Suk Won Cha(Seoul National University), Yeageun Lee(Seoul National University), Wonjong Yu(Seoul National University), Sanghoon Lee(Seoul National University), Chunhua Zheng(Chinese Academy of Sciences)

Enhancing Thermal-Stability of Metal Electrodes with a Sputtered Gadolinia-Doped Ceria Over-Layer for Low-Temperature Solid Oxide Fuel

by Seongkook Oh(Seoul National University of Science and Technology), Jihwan An(Seoul National University of Science and Technology), Soonwook Hong(Hanyang University), Hyongiune Kim(Seoul National University of Science and Technology), Young-Beom Kim(Hanyang University)

Winners of Best Poster Award

A Study on the Tool Wear Experiment according to Cutting Tool Materials in Induction-Assisted Machining

by Eunjung Kim(Changwon National University), Choon-Man Lee(Changwon National University)

Durability Evaluation of Electrochromic window fabricated by Nano-Particle Deposition System (NPDS)

by Jang-Yeob Lee(Seoul National University), In-Gyu Choi(Seoul National University), Hyungsub Kim(Hanyang University), Caroline Sunyong Lee(Hanyang University), Sung-Hoon Ahn(Seoul National University), Won-Shik Chu(Seoul National University)

Synthesis of Sn-modified Titania Nanotube via Different Tin Compounds Treatment

by Cheng-Yen Tsai(National Taiwan University), Chen-Wuing Liu(National Taiwan University), Li-Chi Lai(National Taiwan University), Yi-Wen Lin(National Taiwan University)

Looping Architecture for Three-dimensional Soft Morphing Structures

by Min-Woo Han(Seoul National University), Jongha Yu(Seoul National University), Sung-Hoon Ahn(Seoul National University)

Fabrication of superhydrophobic surface by 3D printing and dip coating

by Kyong-Min Lee(University of Ulsan), Hani Park(University of Ulsan), Doo-Man Chun(University of Ulsan)

Experimental Study on Pre-heating Characteristics of a Powder Bed System using a Plasma Electron Beam

by Ho-Jin Lee(Chosun University), Dong-Gyu Ahn(Chosun University), Jae-Guk Song (Chosun University), Eun Goo Kang(Korea Institute of Industrial Technology), Bihlii Chua(Chosun University)

Extraction behavior of rare earth element (Nd,Dy) from rare earth magnet by using molten magnesium

by Teak-soo Kim(Korea University of Science and Technology), Yongsu Kim(Korea University of Science and Technology)

Prediction Model of Surface Residual Stress for Multi-pass Drawn Steel Wire

by In-Kyu Lee(Korea Institute of Industrial Technology), Sung-Yun Lee(Korea Institute of Industrial Technology), Myeong-Sik Jeong(Korea Institute of Industrial Technology), Yong-Jae Cho(Korea Institute of Industrial Technology), Dae Hye Kim(Korea Institute of Industrial Technology), Sun-Kwang Hwang(Korea Institute of Industrial Technology), Byung-Min Kim(Pusan National University), Sang-Kon Lee(Korea Institute of Industrial Technology)

Ultra-thin film optical coatings for reflective color filters

by Young Jin Yoo(Gwangju Institute of Science and Technology), Young Min Song(Gwangju Institute of Science and Technology)

Cyber Physical System for Service-oriented Product Design

by Kyu-Young Hwang(Sungkyunkwan University), Jae-Tak Cho(Sungkyunkwan University), Sun-Hong Kim(Sungkyunkwan University), Young-Wook Nam (Sungkyunkwan University), Sang-Do Noh(Sungkyunkwan University)

Design of An Independently Driven Continuous Track System for Disaster Robot

by Dongbin Shin(Korea University), Daehie Hong(Korea University), Yeonho Ko(Korea University)

Spray-Coated PbS Quantum Dot Ink Solar Cells

by HyeKyoung Choi(Korea Institute of Machinery and Materials), Sam S. Yoon(Korea University), Hyung Cheoul Shim(Korea Institute of Machinery and Materials), Sohee Jeong(Korea Institute of Machinery and Materials)

Activity Tests of Rh/Al-Ce-Zr Catalyst Coated on Metal Foam Plate for Auto-Thermal Reforming of VOC

by No-Kuk Park(Yeungnam University), Yong Han Jeong(Yeungnam University), Tae Jin Lee(Yeungnam University), Suk Hwan Kang(Institute for Advanced Engineering)

Winners of Young Researcher Award

Tae-Wan Ku (Pusan National University, Korea)

Shusheng Xu (Yonsei University, Korea)

Howon Lee (Rutgers University, USA)

Yangjin Kim (Pusan National University, Korea)

Sungryul Yun (Electronics and Telecommunications Research Institute, Korea)

Ikwhang Chang (Wonkwang University, Korea)

Changwoo Lee (Changwon National University, Korea)

Winner of Kahp-Yang Suh Award

Sunglim Ko(Konkuk University)