

Winners of Awards at PRES2020

November 15(Sun) – November 18(Wed), 2020, @Online <http://online.presm.org>

Winners of Best Paper Award

Response of Resin Coating Films Containing Fine Metal Particles to Ultrashort Laser Pulses

by Ayumi Nakajima (Keio University), Jiwang Yan (Keio University)

Winners of Young Researcher Award

Hugo Rodrigue (Sungkyunkwan University, Korea)

Kyungmin Mino (Soongsil University, Korea)

Trung Kien Hoang (Ho Chi Minh City University of Technology and Education, Vietnam)

Winners of Outstanding Presentation Award

On-Machine Fabrication of Boron-Doped Polycrystalline Diamond Cutting Tools by Combining Wire-EDM and Abrasive Grinding

by Mu-Tian Yan (National Chin-Yi University of Technology), Wei-Chun Lin (National Chin-Yi University of Technology), Jui-Yuan Chuang (National Chin-Yi University of Technology)

Investigation of Different Methods for Heating PETg-GF60 Profiles

by Jonathan Haas (Fraunhofer ICT), Bernard Bose (Fraunhofer ICT), Raphael Jauch (Fraunhofer ICT), Young-Bin Park (UNIST), Frank Henning (Fraunhofer ICT)

Feasibility Study on One Shot Forming of Hybrid Steel/CFRP B-Pillar Component without Additional Assembly Process

by Jae Chang Ryu (Pusan National University), Jae Hong Kim (Pusan National University), Dong Hyuck Kam (Korea Institute of Industrial Technology), Cheol Young Jung (Daewoo Industry), Dae Cheol Ko (Pusan National University)

Chatter Vibration Reduction using a Damping-Alloy Tool Holder in the End Milling Process

by Minsu Kim (Gwangju Institute of Science & Technology), Sun-Kyu Lee (Gwangju Institute of Science & Technology), Gihun Cho (Gwangju Institute of Science & Technology), Youyoung Kim (Gwangju Institute of Science & Technology)

Fabrication of Quasi-seamless Roll Molds via Visually Tolerable Tiling

by Jihoon Lee (Kyungpook National University), Moon Kyu Kwak (Kyungpook National University)

Development of High Wet Strength Microfibrillated Cellulose (MFC) Paper for Ultrafiltration

by Van Son Nguyen (Chonnam National University), Bong-Keel Lee (Chonnam National University)

Finger Motion Recognition of Both Hands Using Electromyogram

by Daun Lee (Kumoh National Institute of Technology), Jung Woo Sohn (Kumoh National Institute of Technology)

Femtosecond Laser Pulses Induce Graphene Patterns on Woods and Leaves for Green Electronics

by Truong-Son Dinh Le (KAIST), Songbaek Park (KAIST), Hanku Nam (KAIST), Byunggi Kim (KAIST), Dongwook Yang (KAIST), Seung-Woo Kim (KAIST), Young-Jin Kim (KAIST)

Filling Rate Analysis of Ceramic Powders using DEM

by Seung Jun Na (Kongju National University), Euy Sik Jeon (Kongju National University), Seung Jin Jeon (KMF Co., Ltd)

Winners of Best Poster Award

It will be announced over the symposium

UVW Stage Alignment System with Real-time Soft Motion Control and Vision

by Jeong Won Park (Korea University), Shin Suk Park (Korea University)

An Assessment of Soft Knit Patch Using Shape Memory Alloy

by Jin Shin (Dongguk University), Min-Woo Han (Dongguk University)

Investigation of Thermal Insulation Characteristic of Metal Lattice Structure

by Jeong-Hee You (Seoul National University of Science & Technology), Keun Park (Seoul National University of Science & Technology)

Dendritic Nafion/Ceria Interfacial Structure for Durable and High Performance Polymer Electrolyte Membrane Fuel Cell (PEMFC)

by Segeun Jang (Hanbat National University), Jiwoo Choi (Seoul National University), Je Hyeon Yeon (Seoul National University), Mansoo Choi (Seoul National University)

A High Linear Up Conversion Mixer in 130nm RF CMOS Technology for 5G Applications

by Abrar Siddique (Pukyong National University), Tahesin Delwar (Pukyong National University), Manas R. Biswal (Pukyong National University), Prangyadarsini Behera (Pukyong National University), Murod Kurbanov (Pukyong National University), Jae-Il Chun (Pukyong National University), Ye-ji Choi (Pukyong National University), EunKyo Choi (Pukyong National University), Lee-Youl Rvu (Pukyong National University)

Process Parameters Optimization of Pipe-Bar Dissimilar Shape and Material Friction Welding for Pipe Fabrication

by Sol Mi Lee (Pukyong National University), Seong Jun Mun (Pukyong National University), Yu Sik Kong (Pukyong National University), Young Whan Park (Pukyong National University)

A Study of Fault Diagnosis Algorithm for Magnetic Encoder

by Ki Min Jeong (Pukyong National University), Sung Rak Kim (Pukyong National University), Hyun Hee Kim (Pukyong National University), Kyung-Chang Lee (Pukyong National University)

A Study on the Contact Angle Characteristics of the Biomimicked Surface Structure with Allium Seeds

by Seunghang Shin (Changwon National University), Seok Kim (Changwon National University), Hyeok Jae Choi (Changwon National University), Young Tae Cho (Changwon National University)