

Poster Presentation 1

July 5 (Thursday), 13:00-14:00

Precision Manufacturing Processes 1

Room 6 (Mid-sized Hall)

Session Chairs: Jihong Hwang (Seoul National University of Science and Technology),
Hochan Kim (Andong National University)

- PP001** 012 **Material Removal Rate Model for CMP Considering the Deformation of Pad's Asperity**
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- PP002** 026 **Development of the Processing Technology for the LF5 Lens Hole Via the Spiral Grinding Process in a Five-axis High Speed Machine**
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Myung Cho (National Optical Astronomy Observatory),
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Minwoo Jeon (Korea Basic Science Institute),
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- PP009** 079 **Development of R2R Micro-gravure Coating Laminate System and Application of Battery Parts for Electric Vehicles**
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- PP011** 091 **Studies on Thin Plate Welding with In-process Surface Cooling Using 3D-finite Element Analysis**
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Patrick Kwon(Michigan State University)
- PP013** 099 **A Study on Ion Beam Characteristics of Developed Focused Ion Beam Using Ar Plasma**
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Precision Engineering

Room 6 (Mid-sized Hall)

Session Chairs: Jay Jeong(Kookmin University),
Young Hun Jeong(Kyungpook National University)

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- PP038** 044 **Aspheric Surface Reconstruction Using Two Different Interferometry**
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DONG HYUN GO(Gyeongnam National University),
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Tae-geun Son(Korea Institute of Science and Technology),
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- PP077** 510 **A Precise Prediction of Delivery Accuracy for an Artillery System by Error Budget Method**
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- PP078** 528 **Tooth Engagement Analysis of Harmonic Drive with Various Shape of Wave Generator**
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Design and Products**Room 6** (Mid-sized Hall)

Session Chairs: Hugo Rodrigue(Sungkyunkwan University),
Kwang-Il Lee(Kyungil University)

- PP079** 031 **Development of an Automated Electric Snowplow for Vehicles by Using a Sprocket and Chain for Improving Durability**
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Sang-Young Kim(Kyung Chang Industrial Co., Ltd.)
- PP089** 081 **Flexible Piezoresistive Strain Sensor Using Nd:YAG Laser Carbonization**
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Mongyoung Huh(Korea Institute of Carbon Convergence Technology),
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- PP092** 129 **Development of Vibration Characteristic Analysis Method for the Spandex Winder Spindle**
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- PP139** 434 **Validation for Tensile, Twisting and Bending Behavior of Bonded Particle Model in Discrete Element Method**
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- PP143** 450 **Comparative Performance Analysis of Organic Flash Cycle with and without Two Phase Expander**
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- PP148** 376 **Development of Endmill for the Optimization of Surface Roughness and Delamination in CFRP Machining**
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- PP150** 502 **Fatigue Analysis of Accumulator Composed of Bladder and Housing**
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July 5 (Thursday), 16:10-17:10

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Hyunseop Lee(TongMyong University)

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Myunghoon Oh(Kumoh National Institute of Technology),
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Hyo Won Jeon(Daegu Mechatronics & Materials Institute),
Chun Dal Park(Daegu Mechatronics & Materials Institute),
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Thi Anh Nguyet Nguyen(University of Ulsan),
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Ki-Hyeong Song(Korea Institute of Industrial Technology),
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