

## List of Poster Presentation, Tuesday June 21, 8:30-9:30

Short Oral Presentation for Posters (I), Room A Chairperson: Y. Saotome	Short Oral Presentation for Posters (II), Room B Chairperson: A. Nakai
P1: Improvement of Machining Performance in Electrical Discharge Machining using Dielectric-encased Wire Electrode for Deep, Narrow Hole Fabrication in Metal, N. Sato, S. Kumagai, K. Takeda, Akita Prefectural University, (13P)	P19: Characteristic Behavior of Zr-based Metallic Glass under Rapid Heating and the Application to Microforming, H. Miyasaka, K. Arai, Y. Saotome, Gunma University, (117P)
P2: Optimization of Thermal Preprocessing for Efficient Combustion of Woody Biomass, S. Kumagai, M. Aranai, K. Takeda, Akita Prefectural University; Y. Enda, Industrial Technology Center of Akita Prefecture, (14P)	P20: Influence of Composition on Shape Memory Characteristics of Ti-Ni Alloys Fabricated by Pulse-Current Pressure Sintering, T. Ikeda, H. Kyogoku, S. Komatsu, Kinki University, F. Yoshida, Hiroshima University, T. Sakuma, Central Research Institute of Electric Power Industry, (120P)
P3: Evaluation of Erosive Wear Properties of High V-Cr-Ni Cast Iron with Spheroidal Carbides, K. Shimizu, Xinbayaer, T. Momono, Muroran Institute of Technology; H. Matsumoto, Y. Maeda, K. Sugawara, Sankyo Co.Ltd, (15P)	P21: TIG and YAG-Laser Hybrid Welder for Tailored High Strength Steel Sheet, T. Ohashi, N. Seto, Q. Wang, National Institute of Advanced Industrial Science and Technology (AIST), (116P)
P4: Precision Small Angle Bending of Sheet Metals Using Shear Deformation, K. Hirota, Nagoya University; Y. Mori, Tokai Pressing Co., Ltd., (24P)	P22: Canceled
P5: Dry Cutting of Corona-Discharge Plasma Radiated Stainless Steel, Z. Chunyan, K. Tagashira, Muroran Institute of Technology; S. Ikeda, Tomakomai National College of Technology, (32P)	P23: Development of a Palmtop Fatigue Testing Machine and the Characteristic Behavior of Microfabricated Thin Films, Y. Hirai, S. Kinuta, Y. Saotome, Gunma University, (149P)
P6: Precise Micro Pattern Replication by Hot Embossing, K. Idei, Nakanishi Metal Works Co., Ltd.; H. Mekar, University of Hyogo; H. Takeda, IKEX Industry Co., Ltd.; T. Hattori, University of Hyogo, (35P)	P24: Bonding of Magnesium Composite Material Using Superplastic Deformation, Y. Matsushita, K. Funami, Chiba Institute of Technology; M. Kobayashi, Nagaoka University of Technology, (75P)
P7: Analytical Prediction of Fatigue Life on Aluminum Alloy Die Castings for High Performance Parts, N. Suzuki, K. Kanawaza, Y. Ishii, Chiba Institute of Technology; H. Hiroyama, S. Echigo, Cast Research Co., Ltd.; K. Konagaya, S. Aoyama, Ahresty Corporation, (37P)	P25: Design of Forging Process by Combination of FEM and ANN, S. Li, T. Mori, Nagoya University, (241P)
P8: Statistical Analysis of Optimum Friction Welding Condition of 5056 Aluminum Alloy Friction Welded Joint, R. Tsujino, Osaka Institute of Technology; G. Kawai, Osaka Sangyo University; H. Ochi, Osaka Institute of Technology; H. Yamaguchi, K. Ogawa, Osaka Prefecture University; Y. Yamamoto, Setsunan University, (43P)	P26: Stress History Dependent Life Prediction of CFRP Laminates, K. Yoshioka, M. Nakada, Y. Miyano, Kanazawa Institute of Technology; R. M. Christensen, Stanford University, (91P)
P9: Investigation of High Strength Electroformed Ni for Microprobes, T. Kimura, Japan Electronic Materials Corp.; N. Arita, H. Fukinbara, Japan Electronic Materials CORP; T. Hattori, University of Hyogo, (48P)	P27: Technique for Measuring Elastic Modulus of Organic Thin Film with Modified Three-point Bending Test Using Composite Beam, N. Matoba, M. Oisu, M. Takeda, Toray Research Center, Inc., (96P)
P10: Development of Desk Size Superplastic Forming Machine and Several Trials, M. Kimura, Tokyo National College of Technology, (53P)	P28: Influence of Water Absorption on the Time-Temperature Dependent Flexural Strength of Plain Woven CFRP, E. Hayakawa, J. Ichimura, M. Nakada, Y. Miyano, Kanazawa Institute of Technology, (100P)
P11: Superplastic Properties Evaluated at Each Small Gauge Part, A. Kurumada, Y. Motohashi, G. Itoh, Ibaraki University, (58P)	P29: Determination of Time-Temperature Dependent Compressive Strength of CFRP Quasi-isotropic Laminates by Strain Invariant Failure Theory, T. Marutani, M. Nakada, Y. Miyano, Kanazawa Institute of Technology; H. Cai, Xi'an Jiaotong University, (108P)
P12: Grain Refinement of Al-Mg Alloy by Ball Drop Method, M. Saeki, K. Funami, Chiba Institute of Technology; M. Noda, JRSE Ltd, (72P)	P30: Applicability of Time-Temperature Superposition Principle for Flexural Fatigue Strength of CFRP Quasi-Isotropic Laminates, K. Nishigaki, M. Nakada, Y. Miyano, Kanazawa Institute of Technology, (112P)
P13: Effects of Manganese Contents on Extruded AZ System Magnesium Alloys, S. Yoshida, T. Murai, Sankyo Aluminum Industry co.,Ltd; S. Matsuoka, Toyama Prefectural University, (211P)	P31: Effect of Production Conditions of Wood Powder on Bending Properties of Wood Powder Molding Material Without Adhesive, H. Imanishi, N. Soma, National Institute of Advanced Industrial Science and Technology (AIST); O. Yamashita, Nagoya University; T. Miki, Kyoto Institute of Technology; K. Kanayama, AIST, (161P)
P14: High Speed Welding Technique with Very Thin Aluminum Sheet, T. Masuko, Tokyo Metropolitan Industrial Technology Research Institute; K. Kokubo, S. Ukita, Kogakuin University, (79P)	P32: Relation between Impact Damage and Post Impact Fatigue Behavior of Quasi-isotropic CFRP Laminates, T. Kimura, H. Takeuchi, H. Saito, I. Kimpara, Kanazawa Institute of Technology, (186P)

<p>P15: Development of Micro-inductor by Superplastic Forming of Metallic Glass., M. Kobayashi, Y. Saotome, T. Ishitani, T. Fukunaga, S. Furusawa, H. Sakurai, Gunma University, (92P)</p>	<p>P33: Some Important Features of Inelastic Deformation Behavior of Solid Polymers and the Modeling Using Modified Overstress Approach, Y. Nakao, Kyushu Inoac Co.Ltd.; T Hiroe, S. Matsumoto, K. Fujiwara, H. Hata, Kumamoto University, (3P)</p>
<p>P16: Development of a Palmtop Wear Testing Machine and the Characteristic of Ni-based Metallic Glass., J. Hacho, N. Okamoto, Y. Saotome, Gunma University, (111P)</p>	<p>P34: Compression Characteristics of Flexible Polyurethane Foam and Cell Structure, H. Tokuhira, K. Ishikawa, Y. Kobayashi, Toyo University, (84P)</p>
<p>P17: Superplastic Nano Forming of Optical Component of Metallic Glasses, Y. Fukuda, K. Sakagen, Y. Saotome, Gunma university, (135P)</p>	<p>P35: Development of Newly Designed Ultra-Light Core Structures, T. Nojima, K. Saito, Kyoto University, (104P)</p>
<p>P18: Development of Material Wear-property in Homogenizer and Wear Characteristic Evaluation, K. Shimizu, T. Kimura, T. Momono, Muroran Institute of Technology; T. Kamota, Izumi Food Machinery Co., Ltd.; H. Matsumoto, SANKYO ALLOY MTG, CO., LTD.; S. Kamota, Hokkaido Industrial Research Institute, (16P)</p>	<p>P36: Effects of Initial Microstructure and Microstructure Changes During Deformation on the Superplasticity of <math>\beta</math>-Type Titanium Alloy, I. Kuboki, Shizuoka Institute of Science and Technology, (113P)</p>

**Each poster presentator can talk only for two and a half minutes.**  
**Posters should be displayed in the formal Poster Session (9:30-10:15am), Lunch and Coffee Breaks on Tuesday.**