ICPE2020 Best Paper Award

B-1-10 Application of Metal Cutting Process to Improvement of High Performance Stainless Steel
Fumihisa Nagashima[1], Yuki Nakagawa[1], Masahiko Yoshino[1]
1.Tokyo Institute of Technology

B-2-9 Accurate Estimation of Workpiece Dimension in Plunge Grinding without Sizing Gauge
Takashi Onishi[1], Yuki Murata[1], Kohei Fujiwara[1], Moriaki Sakakura[2], Kazuhito Ohashi[1]
1.Okayama University 2.Daido University

B-4-6 Effects of Ultrasonic Vibration on Slurryless Electrochemical Mechanical Polishing of 4H-SiC (0001) Surface
Xiaozhe Yang[1], Xu Yang[1], Kentaro Kawai[1], Kenta Arima[1], Kazuya Yamamura[1]
1.Osaka University

C-1-12 Reduction of the Influence on Machining Surface Caused by Tool Non-repeatable Run-out of Rolling Bearing Spindle for Machine Tools
Yuta Showa[1,2], Hayato Yoshioka[2]
1.Makino Milling Machine CO., LTD. 2.Tokyo Institute of Technology

C-2-3 Impulse-driven Capsule for Medical Inspection
Yuichiro Kawashima[1], Kenta Asai[1], Shotaro Watanabe[1], Takahiro Ito[1], Sunao Murakami[1], Kaoru Karasawa[2], Chihiro Katsuta[2], Akane Tanaka[2], Hiromu Kutsumi[3]
1.Kyushu Institute of Technology 2.Tokyo University of Agriculture and Technology 3.Shiga University of Medical Science

D-1-1 Measurement of Molar Concentration Spectrum for Nanoparticle with Multi-modal Nanoparticle Size Distribution using Nanoparticle Chip
Jiaqing Zhu[1], Terutake Hayashi[1], Syuhei Kurokawa[1]
1.Kyushu University

P-25 Development of X-ray Adaptive Focusing Optics with Four Mirrors Deformable between Concave and Convex Shapes
Yuka Nishioka[1], Hiroyuki Yamaguchi[1], Satoshi Matsuyama[1], Junki Sonoyama[2], Kazuteru Akiyama[2], Hiroki Nakamori[3], Yasuhisa Sano[1], Yoshiki Kohmura[4], Makina Yabashi[4], Tetsuya Ishikawa[4], Kazuto Yamauchi[1]
1.Osaka University 2.TOYAMA 3.JTEC Corporation 4.RIKEN/SPring-8

D-4-4 Development of 3D Topography Acquisition System for Abrasive Grains based on Deep Learning
Hirotaka Ojima[1], Liu Yinglong[1], Libo Zhou[1], Jun Shimizu[1], Teppei Onuki[1]
1.Ibaraki University