

Special Issue

## Review of Research Fruits by the Technical Committees of JSPE

Review

- Survey of Questionnaire on Ultra-Precision Positioning  
Takaaki OIWA, Masahide KATSUKI and Jun FUJITA .....749
  - Activity Report on Integrated Manufacturing Systems Committee—Toward Digital Transformation  
in Manufacturing— Haruhiko SUWA, Akira TSUMAYA, Koji IWAMURA,  
Keiichi NAKAMOTO and Yukitoshi IHARA .....754
  - Report on Research for the Use and Popularization of Super Abrasive Grinding Wheels  
Hirosi SAWANO and Minoru OTA .....758
  - Micro/Nano Systems in Practical Domain—Insect Scale Mechanisms and Its Practical Technology—  
Yuichi NAKAZATO, Satoshi HONDA, Masato MIZUKAMI,  
Takaaki ISHII, Yukihiro SONOBE and Takahiro ITO .....762
  - Contributing to the Development of Industrial Technology through Planarization Technology  
Norikazu SUZUKI, Syuhei KUROKAWA and Seiichi KONDO .....767
  - JSPE Technical Committees .....771
  - My Experience in Precision Engineering  
Shigeru UENO .....783
  - Gravure & Interview  
NHK Science & Technology Research Laboratories .....745  
Takahiro MOCHIZUKI  
Interview : Yasusuke IWASHITA/Yuki INOUE
  - Introduction to Precision Engineering  
Introduction to Mechanism Design for Manufacturing/Shota SUGINOUCI .....777
  - Introduction of Laboratories  
Department of Systems, Control and Information Engineering, National Institute of Technology, Asahikawa College .....781
- JSPE Affiliate News ..... 784
  - JSPE Membership Guidance ..... 790
  - From the Lecture Committee ..... 告 10-1

## Paper

- **A Study on Friction Welding by Use of an Automatic Lathe (2nd Report) —Fatigue Properties of Friction Welded Aluminum Alloys and Improvement by Burnishing—** \_\_\_\_\_ 791  
Hidetake TANAKA, Toshiyuki SUZUKI, Takaichi NAKAYA, Yuki OWAKU, Haruhiko MISONO and Tomonori MAEHARA
  
- **Study on Prediction of Workpiece Edge Quality in Face Milling (1st report) —Proposal of Edge Quality Prediction Method and Edge Quality Check Sheet—** \_\_\_\_\_ 797  
Takekazu SAWA, Eisuke KOUYAMA and Yuta IGARASHI
  
- **Optimum Oxygen Concentration in Powder Bed Fusion Using Laser Beam for Building of Sc-containing Aluminum Alloy Powder** \_\_\_\_\_ 801  
Koichi AMAYA, Tatsuaki FURUMOTO, Haruki TSUJIKAWA, Naoki MORIUCHI, Tsuguharu TASHIRO, Ryuzo TANAKA and Kazuyuki ITAGAKI
  
- **Research on Handling of Leaf Using Static Electricity** \_\_\_\_\_ 807  
Hiroki YOSHIDA, Hiroaki SEKI, Tokuo TSUJI and Tatsuhiko HIRAMITSU

※The journal papers listed above are published on J-STAGE (Japan Science and Technology Information Aggregator, Electronic).

<https://www.jstage.jst.go.jp/browse/jjspe/-char/en/>