

Special Issue

Manufacturing Organizations Supporting Advanced Researches

Review

■ **The Present and Future of Technical Staff in Academic Research Institutes**

Yutaka YAMANOI645

Lecture

■ **Equipment Development in Institute for Molecular Science and Technology Exchange with Other Institutes**

Masaki AOYAMA, Nobuo MIZUTANI, Takuhiko KONDO,

Noriko TAKADA, Sachiyo KIMURA and Takuro KIKUCHI649

■ **The First Four-Year Activity Report of the Advanced Machining Technology Group of Japan Aerospace Exploration Agency**

Ryudo TSUKIZAKI, Norio OKADA, Shunichi NAKATSUBO, Toru KAGA,

Oki MATSUI, Masaki AOYAMA, Youichi TAKEDA and Mitsuhsa BABA653

■ **Current Status and Future Prospect of Research Support in Engineering**

Etsuo YATAGAI658

■ **Re-Organization of Technical Support Staffs in Nagoya University**

Noritsugu UMEHARA, Kazushi KOGA, Fumiharu FUJIWARA, Koji SAWAKI,

Kouji YAMAMOTO, Kazushi TACHIBANA and Ikuyo MIZUGUCHI662

■ **Engineering Support for Researchers and Layered Manufacturing** Kenji YAMAZAWA666

■ **My Experience in Precision Engineering**

Yoshimi TAKEUCHI677

■ **Gravure & Interview**

Department of Engineering and Technical Services, National Institute for Fusion Science641

Sakuji KOBAYASHI/Hiromi HAYASHI/Takanori MURASE/Takashi SHIMIZU

Interview : Takuya HOSOBATA

■ **Introduction to Precision Engineering**

Supercritical Fluid Processing for Microfabrication/Eiichi KONDOH671

■ **Introduction of Laboratories**

Biorobotics Laboratory, Dept. of Robotics and Mechatronics, Tokyo Denki University675

- JSPE Affiliate News 678
- Corporate Members 679
- From the Lecture Committee告 9-1
- Editor's Note告 9-12

Paper

- Influence of Microstructure Change on Stress Generation and Relaxation in Coating under High Temperature ————— 681
Tadafumi HASHIMOTO and Shuho KOSEKI
- Predictive Shrinkage Error Model for Selective Laser Sintering Hybrid Milling ————— 687
Trung Nghiep NGUYEN, Hideki AOYAMA and Ichiro ARAIE
- Investigations on Influence of Core Block Driving Method in In-Mold Pressing Molding on Characteristics of Thick Wall Injection Molded Products ————— 702
Atsushi MOTEGI, Tomohiro HISHIDA and Yasuhiko MURATA
- Proposal of Sensor-Less Cutting Force Monitoring Method Based on Equivalent Cutting Force Prediction Using Real Time End Milling Simulator ————— 708
Kazuki KANEKO, Isamu NISHIDA, Ryuta SATO and Keiichi SHIRASE
- Automatic Template Images Setting Method Based on the Pix2pix Deep Learning Model for Visual Inspection System — 714
Hajime OSADA, Kimiya AOKI, Hayata KATAYAMA, Makoto IKENO and Mitsuyasu FUKUSAWA
- An Approach to Evaluation Index-Based Gain Scheduling for Acceleration-Based Four-Channel Bilateral Control ————— 720
Toshiaki OKANO, Takahiro NOZAKI and Toshiyuki MURAKAMI

※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/>
This printed material does not include these papers.