

Contents

Journal of the Japan Society
for Precision Engineering
Vol.87 No.6 June 2021

Special Issue

Future Trends toward the Achievement of Next Generation Mobility and Smart City

Review

■ Underground Space Research and Underground Space Utilization in Future Society

Makoto TAKEDA 487

Lecture

■ Vision Design That Leads Co-Creation for the Beyond-Smart Society

Yoshitaka SHIBATA and Kazuhiro IKEGAYA 492

■ Energy Management System That Realizes Smart Cities

Yoshihisa ISHIGAKI 496

■ IoT Life Solution System Build up a Living Environment

Satoko MIKI and Muneharu KUWATA 501

■ Moving towards Future Commercial Aviation and Electric Aircraft Systems

Hitoshi OYORI 505

■ Development and Commercialization of Liquefied Hydrogen Carrier

Shohei INATSU 509

■ My Experience in Precision Engineering

Yoshihisa TANIMURA 520

■ Gravure & Interview

DENSO CORPORATION 483

Tetsuji YAMAGUCHI

Interview : Tomoya AOKI

■ Student Forum

Minting Technology in Japan 513

■ Introduction of Laboratories

Narahara & Koresawa Laboratory, Department of Intelligent and Control Systems, Faculty of Computer Science and Systems Engineering, Kyushu Institute of Technology 518

■ Visit to Corporate Members

Sugino Machine Limited 525

● Information	527
● JSPE Affiliate News	521
● Corporate Members	564
● JSPE Membership Guidance	566
● From the Lecture Committee	告 6-1
● Editor's Note	告 6-7

Paper

- Study on Development of an Operation Planning System Based on Case-Based Reasoning Using Machining Features 567
Tetsuya ASANO, Ryo TSUKAMOTO and Keiichi NAKAMOTO
- Development of a Cross-linking Agent and a System to Improve the Shape Accuracy in 3D Printing of the Vascular Structure 574
Tomohiro MORITA, Seiya WATANABE and Shinya SASAKI
- Metal Sphere Separation in Glass by the Two Laser Beam Illumination 581
Taichi IMAZEKI, Nobuyasu NISHIOKA, Hirofumi HIDAI, Souta MATSUSAKA, Akira CHIBA and Noboru MORITA
- Study on Gear-Driven Gyroscopic Power Generator 588
—Spin Accelerating Mechanism—
Akio TOYOSHIMA and Hiroshi HOSAKA

※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.