

Contents

Journal of the Japan Society
for Precision Engineering
Vol.90 No.4 April 2024

Special Issue

Precision Engineering in the Long Wavelength Range

Lecture

■ Development of Mid-Infrared Fiber Lasers and Applications to Precision Measurement	Hiraku MATSUKUMA	325
■ Ambient-Temperature Mid-Infrared Passive Spectroscopic Imaging for In-Situ Analysis	Ichiro ISHIMARU	330
■ Development of Short Pulse CO ₂ Laser and Related Extreme Ultraviolet (EUV) Source	Takeshi HIGASHIGUCHI	334
■ Carrier Dynamics in Organic Semiconductor-Metallic Nanostructure Hybrid System Investigated by Terahertz Wave	Tatsunosuke MATSUI, Verdad C. AGULTO, Kosaku KATO and Makoto NAKAJIMA	337
■ Broadband Terahertz Wave Emitters Based on Spin Current	Masahiko TANI	342
■ My Experience in Precision Engineering	Yoshihiko MURAKAMI	353
■ Gravure & Interview	Photonic Lattice, inc Takashi ONUMA/Takayuki KAWASHIMA/Toru TOMIMATSU Interview : Hiraku MATSUKUMA	321
■ Introduction to Precision Engineering	First High Speed Visualization/Shusuke HORIE and Kazuyuki IKUO	348
■ Introduction of Laboratories	Fujisaki Laboratory, Department of Mechanical Science and Engineering, Hirosaki University	351
■ Visit to Corporate Members	Kitagawa Corporation TOKYO SEIMITSU CO., LTD.	357
● JSPE Affiliate News	354	
● International Conference Report	361	
● From the Lecture Committee	告 4-1	
● Editor's Note	告 4-8	

Paper

- Development of an Alternative Production Plan Automatic Execution System to Realize Continuous Production in case of Equipment Failure ————— 363
Reiko INOUE, Daiki KAJITA and Takahiro NAKANO
- Measurement Performance Evaluation of a Non-Contact Narrow Shape Measurement with Direction Switching ————— 369
Kenji MARUNO, Tatsuo HARIYAMA and Masahiro WATANABE
- Effect of Processing Conditions on Mechanical Properties of Snap-Fit with Different Aspect Ratios Fabricated by FDM ————— 376
Hiroyuki TAGUCHI, Yohei KUNIMATSU and Hiroyuki NARAHARA

※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/>