GS10 Precision positioning
GS10-01 Trajectory positioning error compensation and verification for six-axis industrial robot Yu-Ta Chen, Bo-Kuan Lee, Ming-Fu Chen and Chien-Sheng Liu Department of Mechanical Engineering, National Cheng Kung University
GS10-02 Micro/nano vibration suppression of a flexible macro-micro manipulator Lingwei Meng, Yannan Mo, Zixuan Yu, Chen Wang and Yiling Yang Ningbo University
GS10-03 Compensation of Axis-coupled Inertial Forced Vibrations using Machine Tool Feed Drives Kaan Bahtiyar, Eiji Shamoto and Burak Sencer Oregon State University
GS10-04 Iteratively Evaluation-feedback Learning Control Mechanism for Grouped Systems with Similar System Parameters Zhiying He and Hongji Pu Chongqing University of Technology
GS10-05 Study on Positioning Accuracy of Si Chips in Noncontact Holding by Non-contact Chuck Utilizing Ultrasonic Squeeze Effect Seiji Sato, Masaaki Miyatake, Hiroshi Kikuchi and Hayato Hishinuma Tokyo University of Science
GS10-06 A New Absolute Capacitive Angular Displacement Sensor with Single-track Structure based Time-grating Xingchen Fan, Wenwen Dan, Xiaoyang Hu, Zhicheng Yu and Hongji Pu
GS10-07 Control Design for a Precision Positioning Stage Employing Real-Time AI Model Estimation Fu-Cheng Wang, Chi-Wei Wen, Min-Shang Chang, Yan-Teng Chang and Jia-Yushi Yen National Taiwan University
GS10-08 Investigation of distance measurement reproducibility for a long-range nanopositioning machine combined with a laser focus sensor Davi Anders Brasil, Steffen Hesse, Michael Katzschmann, Ludwig Herzog, Thomas Fröhlich and Thomas Kissinger

GS10-09 Floating support properties of fine feed table for non-contact support with squeezed-air effect

Tamaru Yuma, Ushijima Tomohiro and Shimizu Hiroki
Kyushu Institute of Technology

GS10-10 Evaluating Scale Pitch Deviation with Differential Angle Sensors Utilizing Optical Lever and Laser-Autocollimation Methods

Jiucheng Wu, Lue Quan, Yuki Shimizu, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku University

GS10-11 Reduction of crosstalk errors in a two-axis grating interferometer with an Improved Z-Range

Yifan Hong, Ryo Sato, Hiraku Matsukuma and Wei Gao
Tohoku University

GS10-12 Implementation of the Torque Limit Skip for Thermal Error Measurement on Precision Machine Tools

Petr Kaftan, Florian Porquez, Josef Mayr, Konrad Wegener and Markus Bambach

GS10-13 Enhancing Positioning Accuracy of a Parallel Kinematic Manipulator through Machine Learning-Embedded Self-Calibration Strategies

Yu-Jen Chiu and Syamala Jaya Prakash Reddy
Ming Chi University of Technology

GS10-14 Kinematically Redundant (6+3)-DOF Hybrid Parallel Robots with Very Large Rotational Workspace

Kefei Wen
The University of British Columbia

GS10-15 Latest Advancement on Human-Robot Collaboration in Manufacturing

Lihui Wang
KTH Royal Institute of Technology, Sweden