



ASME® ISFA 2020 International Symposium on Flexible Automation

VIRTUAL EVENT
July 8–9, 2020



As a tradition, ISFA gives two best paper awards, one in theory and the other in applications/practice, to papers published in proceedings and presented in the symposium. This year, the finalists are:

Finalists of ISFA 2020 Best Paper in Theory

- ISFA2020-9610 Sensitivity Analysis of Error Motions and Geometric Errors in the Case of Sphere-Shaped Workpiece
Zongze Li, Ryuta Sato, Keiichi Shirase
Kobe University
- ISFA2020-9611 Closed-Loop Simulation Integrating Finite Element Modeling With Feedback Controls in Powder Bed Fusion Additive Manufacturing
Dan Wang, Xu Chen
University of Washington
- ISFA2020-9621 Modeling Force Fluctuations in Incremental Sheet Forming
Michael Prize, Douglas Bristow, Robert Landers
Missouri University of Science and Technology

Finalists of ISFA 2020 Best Paper in Applications/Practice

- ISFA2020-9608 Improved Accuracy of a Machining Tool With a Constant Cutting Speed Vector and Outside Approach Path
Takamaru Suzuki, Shoya Iwama, Toshiki Hirogaki, Eiichi Aoyama, Doshisha University
Takakazu Ikegami, Takayuki Akai, DMG Mori Seiki Co. Ltd.
- ISFA2020-9622 Kinematic Calibration and Data-Based Error Compensation of a Parallel Robot-Based Incremental Sheet Forming Machine
Shuheng Liao, Kornel Ehmann, Jian Cao
Northwestern University
- ISFA2020-9629 Precise Cutting Force Estimation by Hybrid Estimation of Dc/ac Components
Taiki Sato, Shuntaro Yamato, Keio University; Yasuhiro Imabeppu, Naruhiro Irino, DMG Mori Co. Ltd.;
Yasuhiro Kakinuma, Keio University

The winners are:

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ISFA 2020 Best Paper Award in Applications/Practice:

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