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:

**ISFA 2020 Best Paper Award in Theory:**

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**ISFA 2020 Best Paper Award in Applications/Practice:**

- ISFA2020-9622 Kinematic Calibration and Data-Based Error Compensation of a Parallel Robot-Based Incremental Sheet Forming Machine
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