



49th SME North American Manufacturing Research Conference, NAMRC 49

## NAMRC 49 Fast-Tracked Research Papers to Journal of Manufacturing Systems and Journal of Manufacturing Processes

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Peer-review under responsibility of the Scientific Committee of the NAMRI/SME

During the review process of papers submitted to the 49th North American Manufacturing Research Conference (NAMRC 49), three high quality submissions have been identified and fast-tracked to a special section of the Journal of Manufacturing Systems (JMS). Additionally, one high quality paper has been identified for fast-track to the Journal of Manufacturing Processes. The selection of these papers was based on authors' preference, quality of the submissions, reviewers' recommendations, Track Chairs' feedback, review by the Chair and Co-Chair of NAMRI/SME Scientific Committee, and final approval by the Editors in Chief of both JMS and JMP.

The four papers published in both JMS and JMP are therefore excluded from the NAMRC 49 proceedings published in Procedia Manufacturing. However, these submissions are still presented in person at NAMRC 49. Details of the fast-tracked submissions and their hyperlinks to the JMS Special Section and JMP are provided below for quick reference and for completion of the NAMRC 49 proceedings without duplication.

0. Ihab Ragai, Robert X. Gao, and Livan Fratini, "Editorial – Special Section of Journal of Manufacturing Systems, New Trends in Manufacturing Systems Research 2021," [doi.org/10.1016/j.jmsy.2021.04.006](https://doi.org/10.1016/j.jmsy.2021.04.006)

1. Matthew Russell, Evan King, Chadwick Parrish and Peng Wang, "Stochastic Modeling for Tracking and Prediction of

Gradual and Transient Battery Performance Degradation," [doi.org/10.1016/j.jmsy.2021.04.008](https://doi.org/10.1016/j.jmsy.2021.04.008)

2. Nathan Hertlein, Philip Buskohl, Andrew Gillman, Kumar Vemaganti and Sam Anand, "Generative Adversarial Network for Early-Stage Design Flexibility in Topology Optimization for Additive Manufacturing," [doi.org/10.1016/j.jmsy.2021.04.007](https://doi.org/10.1016/j.jmsy.2021.04.007)

3. Scott Kerner, Suryanarayanan Gunasekar, Rishabh Vedant, Matthew Krugh and Laine Mears, "Parametrization of manual work in automotive assembly for wearable force sensing," [doi.org/10.1016/j.jmsy.2021.04.009](https://doi.org/10.1016/j.jmsy.2021.04.009)

4. Halil Tetik, Keren Zhao, Nasrullah Shah and Dong Lin, "3D Freeze-printed Cellulose-based Aerogels: Obtaining Truly 3D Shapes, and Functionalization with Cross-linking and Conductive Additives," [doi.org/10.1016/j.jmapro.2021.05.051](https://doi.org/10.1016/j.jmapro.2021.05.051)

In summary, the four fast-tracked papers bring to readers some of the state-of-the-art and the latest development highlighted in NAMRC 49. The NAMRI/SME Scientific Committee wish to take this opportunity to thank all the authors of the four papers for their scientific contributions, and for complying with referees' comments in revising their manuscripts. Their quality contributions to NAMRC 49 are also acknowledged.

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