CALL FOR PAPERS
Special Section on Reconfigurable Mechanisms and Robots

ASME's Guide for Journal Authors

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CALL FOR PAPERS

ASME *Journal of Mechanisms and Robotics*

Special Section on Reconfigurable Mechanisms and Robots

This Special Section is intended to provide a platform for sharing and presenting new research and solutions for **Reconfigurable Mechanisms and Robots** in theory and design. With strong demand on flexible manufacturing, versatile operations, and fast-changing application conditions, advanced robotic and machine systems are expected to be smartly reconfigurable to adapt to new needs. This evolution has led to worldwide research interest in developing reconfigurable mechanisms and robots as representative mechanical intelligent systems, which have the ability to change their mobility, configurations, kinematics, and dynamics performance for various application scenarios in industrial automation, healthcare, field exploration, maintenance, domestic operations, human assisting, and augmentations.

Based on those developments and following successful completions in London (2009), Tianjin (2012), Beijing (2015), and Delft (2018), the 5th IEEE/IFToMM International Conference on Reconfigurable Mechanisms and Robots (ReMAR 2021) was held in Toronto, Canada on August 12-14, 2021. This highly inspiring event brought together researchers from a variety of research areas pertaining to reconfigurable mechanisms and robots and provides the basis for this Call for Papers. Together with the presentations in this conference, it is also noted that extended manuscripts of conference papers published elsewhere (including other ASME conferences) that fit the scope of this Special Section are also welcome. We are also open to new submissions in response to this Call for Papers.

Topic Areas

Special Section paper submissions are welcome on topics related to aspects of theory and design, including but not limited to:

- Reconfigurable joints/links
- Reconfigurable linkages
- Reconfigurable planar mechanisms
- Reconfigurable parallel mechanisms
- Metamorphic mechanisms
- Deployable mechanisms
- Morphing mechanisms
- New reconfiguration methods/functions
- Reconfiguration in mobile and flying robots
- Reconfiguration in grasping and manipulation
- Reconfigurable cable-driven robots
- Reconfigurable sensing and control
- Reconfigurable manufacturing systems

Publication Target Dates

Submission Window Open	**December 1 - 15, 2021**
Review Process	**January 1 - February 15, 2022**
Final Papers Due	**March 2022 for publication online starting April 2022**
Print Publication	**August 2022 Issue**

Submission Instructions

Papers should be submitted electronically to the journal at **journaltool.asme.org**. If you already have an account, log in as author and select **Submit Paper** at the bottom of the page. If you do not have an account, select **Submissions** and follow the steps. In either case, at the **Paper Submittal** page, select the **ASME *Journal of Mechanisms and Robotics*** and then select the Special Section *Reconfigurable Mechanisms and Robots*.

Papers that do not complete the review process within this timeframe or that are outside the scope of the Special Section may be considered for publication in a regular issue of the journal.

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