

Special Issue

Peristaltic Linear Pneumatic Actuators

Message from the Guest Editors

We are pleased to invite you to submit your paper(s) to our Special Issue on “Peristaltic Linear Pneumatic Actuators” in *Actuators* (ISSN 2076-0825). Both original research and review articles are welcome.

Pneumatic systems have always been attractive due to their simplicity, low cost, high power to weight ratio, and high velocities. To highlight recent developments and future perspectives, this Special Issue invites contributions from all aspects on PLPAs, including but not limited to:

- Novel hose materials and geometries
- Design and fabrication, including 3D printing techniques
- Improvement of the actuator service life
- Theory and modelling
- Other membrane based pneumatic actuators

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2021)



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About the Journal

Message from the Editorial Board

We are just entering the Next Wave of Technology (NWT) where actuators will play the same role as the computer chip did for computers/social media approximately four decades ago. Just in the U.S., production of \$1 trillion year of electromechanical systems (vehicles, orthotics, manufacturing cells, freight trains, aircraft, etc.) will be impacted by the NWT, all driven by actuators. Five key trends can be found for the future perspectives: “Performance to Reliability”, “Hard to Soft”, “Macro to Nano”, “Homo to Hetero” and “Single to Multi functional”. We invite papers that primarily impact these economic sectors; those illustrating basic scientific principles are also welcome.

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