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Soft Robotics: Challenges and Perspectives

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Message from the Guest Editor

Dear Colleagues,

Soft robots driven by soft active materials have unique advantages over conventional rigid robots, especially in their high adaptability for field exploration, morphing design and seamless interaction with humans. The grand challenge lies in achieving self-powered soft robots with high mobility, robust control, environmental tolerance, and long endurance. The design principle, modeling and control strategies can be potentially extended to a variety of flexible devices and soft robots. The topics of interest include, but are not limited to:

- Underwater soft robot
- Morphing structure control
- Bio-inspired smart structure
- Soft smart material



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Message from the Editor-in-Chief

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