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## **Recent Advances in Intelligent Control Methods for Soft Robotics**

Guest Editor:

## Dr. Alexander Hošovský

Faculty of Manufacturing Technologies with seat in Prešov, Technical University of Košice, Košice, Slovakia

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## **Message from the Guest Editor**

Dear Colleagues,

In the last two decades, soft robots have been at the forefront of robotics research because of several advantages offered by their compliant structure (e.g., due to the adaptability in unstructured environments) in contrast to rigid robots typically applied in industry. However, the price paid for this softness takes the form of more challenging modeling and control, where several important aspects, such as infinite-degrees-of-freedom continuum structures as well as the presence of significant hysteresis/creep effects or other nonlinear and timevarying properties, need to be taken into account. Machine learning techniques can address these issues using either model-free or hybrid approaches.

This Special Issue is dedicated to the latest advances in the field of machine learning with application to soft robotics, either to any soft robot component (e.g., soft actuators or sensors) or to robots as a whole. Especially welcome are deep learning models and methods as well as the use of third-generation neural networks (SNNs).

Dr. Alexander Hošovský Guest Editor



