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Actuators on Soft Exoskeletons

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Message from the Guest Editors

Soft exoskeletons, also called exosuits, are gaining great interest due to their potential benefits with respect to classical exoskeletons based on rigid structures. Their main advantages are related to their weight, comfort, and usability, thanks to their soft nature and compliant interaction with the wearer.

This Special Issue aims to cover current developments in actuation on soft exoskeletons, including any aspects related to actuation technologies, design, and control for soft exoskeletons, including testing and validation. Contributions from different application areas, such as medical, rehabilitation, and industry, are welcome.

Keywords:

- Exoskeleton/exosuit design
- Exoskeleton/exosuit control
- Exoskeleton/exosuit testing and validation
- Actuation technologies
- Actuation design
- Actuation control
- Rehabilitation exoskeletons
- Industrial exoskeletons

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