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Machine Learning and Sensor Technology for Hand Prosthesis Control

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Message from the Guest Editors

With the recent advances in machine learning and the possibility of deploying its methods in embedded systems, new paradigms are being unlocked in signal processing and sensor technologies, notably when applied to hand prosthetic control. These novel technological tools allow researchers to reimagine human–machine interfaces and show great potential for overcoming the challenges of traditional hand prosthetic control technologies.

This Special Issue of MDPI Sensors aims to collect original research papers and critical reviews that relate to current hand prosthetic topics such as:

- Wearable sensors and systems for hand prostheses;
- System design for patient acceptability;
- 1D and 2D EMG acquisition, analysis and processing;
- Machine learning in hand prosthetic control;
- Pattern recognition and machine learning for hand gestures;
- Neural networks for embedded control;
- Wireless low-power control;
- Other relevant topics.

Deadline for manuscript submissions:
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Message from the Editor-in-Chief

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