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Advanced Tactile Sensors: Design and Applications

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submissions:

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Message from the Guest Editors

Dr. Zhenyu Lu Dear Colleagues,

This Special Issue, "Advanced Tactile Sensors: Design and Applications", delves into the cutting-edge developments and innovative applications of tactile sensing technologies. This Special Issue primarily focuses on tactile sensors within the scope of *Sensors* and the significant impact on perception, robot manipulation, embodied intelligence, human-robot interaction, and robot dexterity. By exploring the latest advancements in sensor design and integration, this collection aims to highlight how tactile sensors enhance the capabilities of robots, enabling more sophisticated and nuanced interactions with their environments.

Potential topics include, but are not limited to, the following:

- 1. Advanced tactile sensors and actuators;
- 2. Embodied intelligence with touch;
- 3. System integration of tactile sensors in robots;
- Tactile sensing in robot manipulation and humanrobot interactions;
- 5. Advanced methodologies in tactile perception;
- 6. Datasets and benchmarks for robot tactile perception;
- 7. Tactile simulations;
- 8. The tactile internet;
- 9. Other tactile applications.





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Editor-in-Chief

Message from the Editor-in-Chief

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