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## Tactile Sensors, Sensing and Systems

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### Message from the Collection Editor

Tactile sensing is built upon mechanical sensors distributed over a given surface (e.g. robotic hand/arm, outer cover of an apparatus or a consumer device) on which physical/mechanical contact/interaction may occur. The sensors upon a mechanical interaction perceive the event and acquire data on the contact such as temperature, vibration, pressure, shear and normal forces. Raw sensed data are then processed to extract higher-level information (e.g. surface texture patterns and roughness, softness/hardness, object contact material) which is subsequently conveyed to the control/supervising system. The acquisition and processing operations are usually implemented in real time. Tactile arrays ought to be mechanically flexible (i.e., conformable to the surface they are mounted on) and sometimes stretchable.

The aim of this Topical Collection is to foster submissions on research and achievements in the broad field of tactile sensors and sensing e.g. from materials up to systems and applications. We invite original contributions, so that current research trends can be presented in this collection.



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## Message from the Editor-in-Chief

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