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A signal pattern recognition approach for mobile devices and it's application to braking state classification on robotic mobility devices

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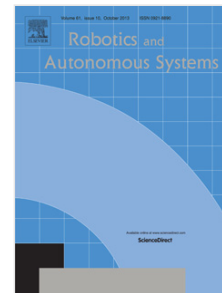
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- A mobile application is developed for classification of braking states.
- The Sparse and Collaborative representation based classifications are used
- The developed signal filtering and classification module are accurate and robust.
- The application can be used to classify different dynamical manoeuvres of mobility devices.

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