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Title: Novel Methodology for Estimating Initial Contact Events from Accelerometers positioned at Different Body Locations

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## Research Highlights

1. New methodology to estimate Initial Contact events from different body locations
2. Method incorporates domain knowledge about gait into time-frequency analysis
3. Benchmarked on four large public gait databases with a total of 613 subjects
4. Evaluated on accelerometer signals from seven unique body locations
5. Demonstrated to achieve high accuracy and robustness in estimating Initial Contact

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