

## Micro-engineering research: Mechanical energy scavenging for in-wheel sensors

The aim of this EPSRC first Grant project is to develop a novel energy harvesting system to power in-wheel sensors. The harvesting system is based around clockwork and uses a spring rather than a battery to smooth out and store the available energy.

The project assesses the capability of commercially available energy harvesting watch technology to develop the clockwork harvester system.

The project also gathers real data on the vibration and rotation seen in typical car journeys to assess the viability of this new energy harvester and other vibrational harvesting systems.

**[Learn more about the background to the project. \(/research/activity/mechanical-engineering/bio-micro/micro-nano/energy-wheel-sensors/background.aspx\)](/research/activity/mechanical-engineering/bio-micro/micro-nano/energy-wheel-sensors/background.aspx)**

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