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Title:	Industrial applications of wireless passive SAW strain gages and pressure sensors
Abstract:	<p>Since the commercial launch of the latest version of its wireless SAW strain gages (at SENSOR+TEST in 2011), SENSEOR implemented several tailored strain measurement systems and torque measurement solutions for various industrial applications.</p> <p>One example which will be presented concerns load measurement: beehives pallets instrumented with four strain gages and battery-powered compact transceiver, integrated into a wireless sensor network, for remote monitoring of beehives and organisation of on-site honey collection only when necessary.</p> <p>Besides, for pressure measurements, several wireless SAW pressure sensor prototypes are now available and successfully used by strategic customers. Measurement ranges cover from 1 bar to 25 bars.</p> <p>An example which will be presented concerns instrumented valves: wireless SAW temperature and pressure sensor integrated into a high-performance valve.</p> <p>Gerhard Heider, SENSEOR CEO, will present the latest developments and progress of strain and pressure measurement with SAW sensors, and share learning and first customer feedbacks.</p> <p>Mr. Heider will also present the latest developments of SENSEOR's interrogation methods for SAW sensors, to consider with the audience the potential complementary applications to deliver altogether to the customers the best of SAW technology.</p>