Insurance telematics: Opportunities and challenges with the smartphone solution

Speaker: Professor Peter Händel, Head of Department of Signal Processing
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Date/Time: Tuesday 28 October 2014, 13.00 — 14.00

Location: RT.0.40, Sir Frank Gibb Building, Loughborough University

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Smartphone-based insurance telematics is a disruptive technology which relies on insurance premiums that reflect the risk profile of the driver; measured via smartphones with appropriate installed software.

The seminar presents the challenges involved when extracting relevant information associated with risky driving behaviour. A RISO-concept is presented to characterize a figure of merit like smoothness of the drive, number of instances of harsh braking, etc., in terms of actuarial Relevance, driver’s Influence, the measure’s Stationarity, and its Observability with respect to the given sensor technology.

The seminar is based on a forthcoming article in the IEEE ITS Magazine bearing the same title.

Biography: Peter’s research spans a wide area including the design and analysis of digital and adaptive filters, measurement and estimation theory, system identification and speech processing. Recent projects include: radio frequency measurement technology; indoor positioning and navigation; insurance telematics.