Vision: Centre of Global Excellence in Identification, Location-Positioning and Wireless Network technologies

3 Research Programs

(I) Positioning Systems and Applications
- Differential and Assisted GPS
- Anti-jamming GPS Receivers
- Resource Management System
- Intelligent In-Vehicle Navigation System
- Indoor Positioning System

(II) Radio Frequency Identification and Localization
- Antenna development and measurements
- RFID (Radio Frequency Identification) tags and positioning systems
- UWB components and systems
- High frequency circuits packaging up to 110GHz

(III) Wireless Broadband Networks
- Advanced modulation and coding
- Broadband wireless MAN/LAN/PAN
- UWB communication[positioning algorithms
- Mobile ad hoc network (MANET)
- Wireless channel characterization/modelling

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