

Smart sensors for wireless personal and body area networks



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- Cooperative communication concept to be applied in sensor networks and personal wireless communications
 - issues with antenna element design
 - radio propagation in dense indoor environment to establish confidence on specific channel parameters for system design and evaluation
 - algorithm design and analysis to achieve cooperative communication based on location, environment and power requirements
- Accurate ultra wideband localisation for manipulation of robotic hands
- Sensing for the future: recognition to cognition

