

## Research Area :

- Human Computer Interaction (HCI) • Internet of Things (IoT) • WSNs • Electronics Engineering

## Selected Publications :

- A design exploration of an IoT based smart parking system with stakeholders using User-Centred Design,- University of Limerick, 2018.Supervisor: Mikael Fernström.  
**[Thesis Ph.D.]**
- Walid elgenaidi, Thomas Newe, Eoin O'Connell , Muftah Fraifer, Avijit Mathur, Daniel J F Toal, Gerard Dooly ,Implementing Secure Key Coordination Scheme for Line Topology Wireless Sensor Networks ,, Jul 2017 . Advances in Security in Computing and Communications.  
**[ Book Chapter]**
- M. Fraifer, M. Fernström,Look before you Leap: Goal: Exploring the challenges of technology and user experience in the Internet of Things, 3<sup>o</sup> International Forum on Research and Technologies for Society and Industry Track : Smart Mobility September 11-13 2017, Modena, Italy, **[Conference Paper]**
- M. Fraifer, M. Fernström, "Designing a Smart Car Parking System (PoC) Prototype Utilizing CCTV Nodes: A vision of an IoT parking system via UCD process", Advances in Science, Technology and Engineering Systems Journal, vol. 2, no. 3, pp. 755-764 (2017). **[Article]**
- Fraifer.M, Hasenfuss.H, Fernström.M, " Taking away the Green Screen- A Brief Discussion of a Multidisciplinary approach To IoT via, Smart Parking and Interaction Design", 15 February 2017, America Square, WS4 Conference and Awards 2017, London, UKPublished by Springer Lecture Notes in Networks and Systems (LNNS). ISSN: 2367-3370. **[ Book Chapter]**
- Fraifer.M,. Fernström,M . "Investigation of Smart Parking Systems and their technologies" ,AIS Pre-ICIS Workshop on "IoT & Smart City Challenges and Applications" – ISCA 2016, December 9, 2016, Dublin, Ireland **[Conference Paper]**
- Fraifer.M,. Fernström,M "Smart Car Parking System Prototype Utilizing CCTV Nodes ,A proof of concept prototype of a novel approach towards IoT-concept based smart parking " ,IEEE World Forum on Internet of Things ,12-14 December 2016 , RESTON, VA, USA.  
**[Conference Paper]**
- Fraifer.M,. Fernström,M . "Smart Parking Prototype Utilizing IoT Model" ,AIS Pre-ICIS Workshop on "IoT & Smart City Challenges and Applications" – ISCA 2016, December 9, 2016, Dublin, Ireland **[Conference Paper]**

- Fraifer.M, Hasenfuss.H, Fernström.M, " Taking away the Green Screen- A Brief Discussion of a Multidisciplinary approach To IoT via, Smart Parking and Interaction Design", 15 February 2017, America Square, WS4 Conference and Awards 2017, London, UK **[Book Chapter]** Published by Springer Lecture Notes in Networks and Systems (LNNS). ISSN: 2367-3370.
- Fraifer.M,. Fernström,M , " Smart Car parking system prototype utilizing CCTVs" The annual NUI Galway – University of Limerick Alliance Research Day, NUIG/UL Alliance April 21st, 2015 ,National university of Ireland-Galway, Galway. **[Abstract]**
- Fraifer.M,. Fernström,M ,"Smart Car parking locator system with user needs in focus" ,Intel Ireland Research Conference 2014,The Internet of Things track , held in the Science Gallery, Trinity College Dublin - Dublin,**[Abstract]**
- Fraifer.M,. Fernström,M, Interactive Technology (IT) smart parking system,IEEE-Research to Industry (R2i-2017)-Innovation Workshop-Stokes Building, Dublin City University, Glasnevin, Dublin 9, Ireland,**[Abstract]**