Imperial College
London

Centre for Smart Connected Futures

Launch Event

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Agenda

16:00 **Welcome**
Professor Nick Jennings,
Vice Provost,
Imperial College London

16:05 **Introduction to the Centre**
Professor Julie McCann,
Centre Director

16:10 **Keynote Talk: "Innovation Begins At Home"**
Andy Stanford-Clark,
CTO, IBM UK & Ireland

16:40 **Lightning talks from Centre academics: session 1**

Dr Ivan Stoianov
Dynamically adaptive and resilient water supply networks

Prof Eric Yeatman
Alternative powering methods for wireless sensing

Dr David Boyle
Over the air technologies for intelligence in extreme environments

Dr Pier Luigi Dragotti
Estimation and inference in sensor networks and graphs

Dr Naranker Dulay
Software engineering for cyber-physical systems

17:10 **Lightning talks from Centre academics: session 2**

Dr Athanasios Gkelias
Distributed Resource allocation for wireless sensors and vehicles

Dr Omar Faqir
Coordinating how robots move, talk and think

Dr Michael Breza
Science of Sensor Systems

Dr Deniz Gunduz
Learn to Communicate - Communicate to Learn

Dr Fengrui Shi
Towards the trading of mobile and IoT resources on Blockchain

17:40 **Theo Blackwell**
Chief Digital Officer for London

17:55 **Close**

18:00 **Drinks and canapés in the foyer, with demonstrations and posters**

List of Posters

Youssef Altherwy
Agricultural volumetric sensing

Mohammad Mohammadi Amiri
Cache-Aided data delivery over erasure broadcast channels

Pedro Baiz
Green Fintech: How IoT and data can help investors

Pamela Bezerra
Using network tomography for fault diagnosis in wireless sensor networks

Laksh Bhatia
Control of large scale infrastructure with LPWANs

Michael Breza
Environmental fault injection in wireless embedded sensor systems

Elif Tugce Ceran
Average age of Information over wireless networks

Po-Yu Chen
Disclose the WEF Nexus: An example of IoT application on smart algriculture

Omar Faqir
Coordinating how robots move, talk and think

Anqi Fu
Periodic asynchronous decentralized event-triggered controller for WaterBox

Greg Jackson
Promoting energy efficiency and longevity in energy neutral sensor systems

Michael Johnson
Spacecraft-on-Demand: in-situ manufacturing of wireless sensing space systems

Adria Junyent-Ferre
RENGA: resilient electricity networks for a productive grid

Milan Kabac
Modelling and verification of large-scale sensor network infrastructures

Roman Kolcun
Opportunistic networking

Fergus Leahy
DejaVu: Visual diffing of cyber-physical systems

Kaihan Li
Connectivity maximization for massive machine-to-machine IoT communication

Fengrui Shi
Incentivising mobile crowd services

Houlian Wang
Two state-of-charge prediction methods for supercapacitors

Qianqian Yang
Coded caching of correlated contents

Cong Zhao
Data quality driven incentivization for mobile crowdsensing

To explore further, visit:
imperial.ac.uk/smart-connected-futures