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Thursday, October 3, 2019

IoT Belfast 25: IoT in Space



Hosted by [Sean G.](#)

From [IoT Belfast](#)

Public group

This is a past event 77 people went



Thursday, October 3, 2019

6:30 PM to 9:30 PM



Ulster University

York St · Belfast



Details

This month's IoT Belfast theme is Space.

Venue: Ulster University, York Street

1. New ways to look at the world

A look at how access to an increasing range of data collected from aerial platforms is changing the way we view the world.

By Jonathan Sloan, Lead Consultant, ESRI Ireland

2. Autonomic & Autonomous Systems Research with NASA

A brief talk through time and space of Ulster's Computer Science research with NASA.

By Roy Sterritt, Ulster University

3. Sensor Agnostic Visualisation of Data

A look at how we're collecting, merging and analysing data from satellite images to on-the-ground sensors, delivering it in 3D to support real-time decision-making and operational efficiency.

By Colin Borland - 3DEO

4. Metasurfaces for Spacecrafts and IoT

One big issue on small spacecraft is the interference from the craft surface to the antennas transmitting data from onboard sensors (IoT scenario), called the backscatter.

Gabriel will show how his recent innovation in metasurfaces (man-made vs natural) can suppress antenna backscatter on nanosats, allowing transmissions back to Earth to happen with less power consumption, lengthening the lifetime of sensors or enabling reduction of payload through smaller batteries.

By Gabriel Machado, QUB Centre for Wireless Innovation

5. SatNOGS

An introduction to the Satellite Networked Open Ground Station project covering what it is, why it is needed, and how you can take part.

By John Grant

6. The NASA SpaceApps Challenge

Pitch for NASA SpaceApps Challenge: a little bit of history, what happens during the event and the challenges posed by NASA in this year's challenge.

By Paul Devlin, PA Consulting

Attendees (77)

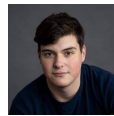
[See all](#)



Sean G.
Co-organizer



Alan R.
Member



Alex K.
Member



Andrew G.
Member



Andrew H.
Member



Member



Arnold
Member



Asad J.
Member



IoT Belfast
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