

FoodSmartphone Summer School 2019



Queen's University Belfast - Graduate School
Week commencing 10th June 2019



AIM:

This advanced course aims to provide knowledge regarding *software design* and *smartphone exploitation* and their applicability to **complex food systems**.

PROGRAM:

The programme of the summer school is based on software design and smartphone exploitation for food analysis. There will be a focus on end-user acceptance and exploitation potential of smartphone-based pre-screening tools as well as user-friendly data handling and App software solutions and secure web-interfaces. Vehicles for commercial exploitation will be explored through new start-ups and existing innovation small and medium-sized enterprises (SMEs).

TOPICS:

- Market needs and technology drivers,
- Introduction to user-interfaces, multimedia and the concept of Citizen Science,
- Introduction to chemometric data handling,
- Introduction to software engineering,
- Integration of data from different sources,
- Secure web interfaces,
- Workshop on App design,
- Introduction to- and exploitation of IPR,
- Entrepreneurship in an innovation or software SME,
- Workshop: designing a fit-for-purpose business model for smartphone-based pre-screening solutions.

SPEAKERS:

Prof Christopher Elliott, IGFS, QUB
Dr John Busch, EEECS, QUB
Dr John Bustard, EEECS, QUB
Prof Alister Fee, School of Management, QUB
Ms Helen Keys, Entrepreneur in Residence, QUB
Dr Karen Rafferty, EEECS, QUB
Dr Huiyu Zhou, University of Leicester
Mr Luis Mata, Zeulab, Spain
Prof Maire O'Neill, ECIT, QUB
Prof Roger Woods, Analytics Engines & QUB
Dr Terry McGrath, IGFS, QUB
Dr Cuong Cao, IGFS, QUB
Dr Jacob Baggerman, Aquamarijn, The Netherlands

IGFS: Institute for Global Food Security

QUB: Queen's University Belfast

EEECS: School of Electronics, Electrical Engineering and Computer Science

ECIT: Institute of Electronics, Communications and Information Technology

ORGANISERS:

This course will be organised by QUB in collaboration with partner organisation CSEM and successful entrepreneurs from Aquamarijn and ZEU.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 720325