

# Welcome to the NuSec Funded Research Technical Workshop,

3<sup>rd</sup> November 2021

Paul Sellin, University of Surrey

*p.sellin@surrey.ac.uk*

# Workshop Program

2pm **Welcome & Introductions**

**Paul Sellin**

2.05pm **NuSec PhD Studentships – Progress Update Presentations (20 minutes each, with Q&A)**

- a. Developing the next-generation shipping container scanning system, University of Bristol  
**Euan Connolly**
  
- b. Development of mixed field radiation detection techniques for oil and gas well logging, University of Sheffield, **James Greer**

3.00pm **2021 Summer Pilot Projects Poster Presentation of Results (around 10 minutes each) followed by Q&A**

- a. Application of Artificial Intelligence and Machine Learning to Distributed Detector Networks, University of **Bristol**, **Dr Peter Martin**
  
- b. Developing Multifunctional Quantum Dot-based Neutrino Fission Reactor Detector, Kings College London **Beatrice Crudele & Dr Teppei Katori**
  
- c. Fuzzy Logic Scintillator Selection Tool, University of Surrey **Alexia Beale, Luke Lee-Brewin, Dr Caroline Shenton Taylor**

3.50pm NuSec Activities Update

**Paul Sellin**

4.00pm Workshop Ends

**Paul Sellin**

# Current NuSec Network Grants

## UK-US Collaboration Grants

Aimed at supporting collaborations between UK & US university researchers working in nuclear security and non-proliferation.

Grants of 80% available for:-

- Short term postdoctoral research projects (up to 3 months), up to £15,000
- Undergraduate student interns/summer research projects, up to £2,000
- Research visits, up to £5,000
- Conferences, Training and collaboration visits, up to £2,000

Application deadlines **1st January 2022** & **1st July 2022**

Contact: [www.nusec.uk](http://www.nusec.uk) info@nusec.uk

# Current NuSec Network Grants

## Personal Development Grants

- Aimed at strengthening the research and innovation capacity of Nuclear Security Scientists and developing new collaborations between researchers and partner organisations based either at a University, Research Establishment, or a Company within the UK.
- Grants of up to £1,000 aimed at supporting activities such as attending research conferences, industrial placements or attending training courses
- Closing date for applications **28th February 2022 & 31st August 2022**

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