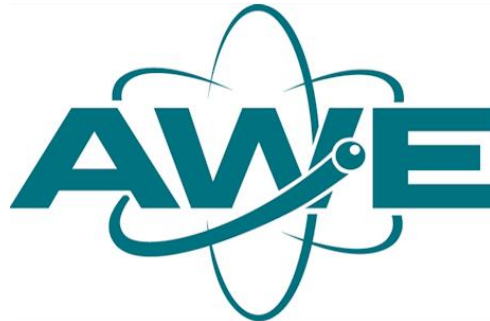


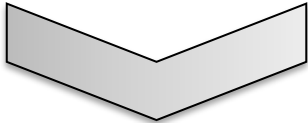
NUCLEAR SECURITY SCIENCE NETWORK



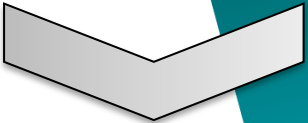
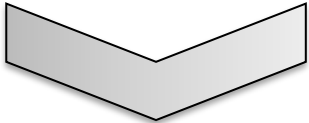
www.nusec.uk



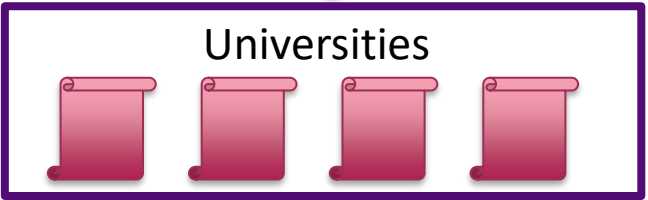
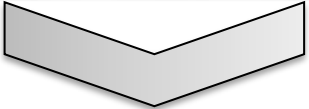
Broad concept



Basic and fundamental research



Applied research and national impact



Scope



Application

Detection, of radioactive and nuclear material
in the defence and security setting

Science and Technologies

Detection
technologies

Detector
materials

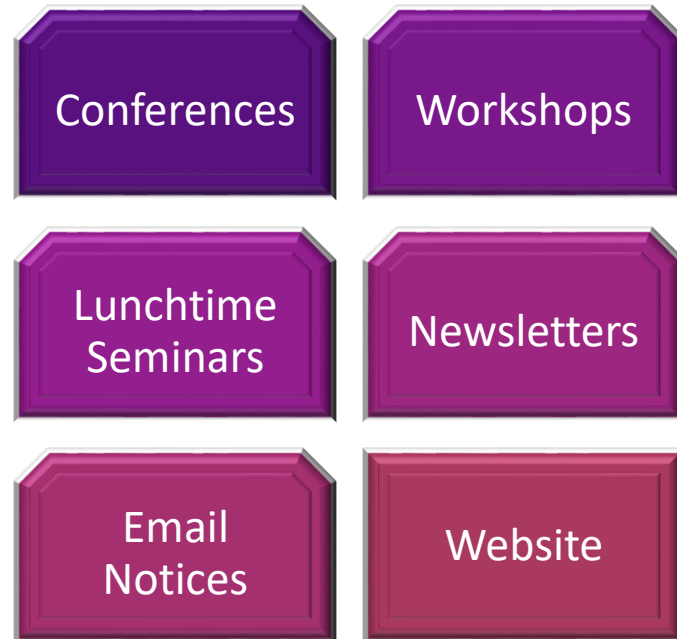
PSD, DAQ

Signal
processing

Novel
detection

What does NuSec do?

Communications



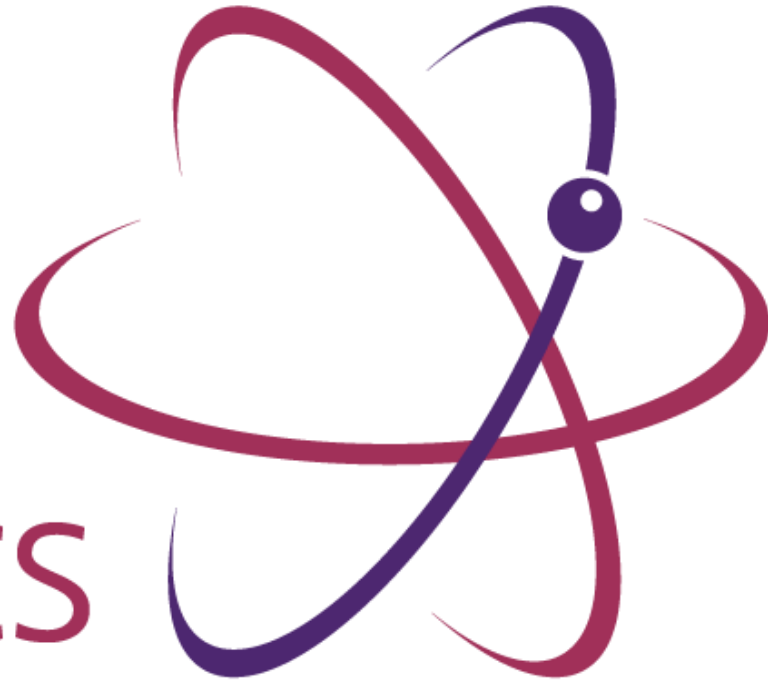
Research



Skills and Development



NuFor Nuclear Forensics



In partnership with:

IOP | Institute of Physics
Materials and
Characterisation Group



NATIONAL NUCLEAR
LABORATORY

nufor.iopconfs.org

Dr Neil Gaspar

AWE

neil.gaspar@awe.co.uk

What is Nuclear Forensics and NuFor for?

The investigation, exploitation, and analysis of nuclear material
Nuclear forensics for nuclear security vulnerabilities | IAEA

Registration deadline:

1 October 2021
Online and at IoP

Keynote Speakers

Eva Kovacs-Szeles - IAEA
David Smith - LLNL / KCL
Fhionna Redfern - Home Office
Michael Curry - US State Dept.
Jim Blankenship – FBI
Alison Atkinson - AWE

Showcase
new
advances

Discuss
the
technical
challenges

Enhance
the UK skill
base

Network

Watch the talks online from NuFor 2020.



Thematic Areas



Detection Science

R&D into standard and novel techniques to detect, locate, image, and identify radiological and nuclear materials.

Nuclear Forensics

The investigation, exploitation, and analysis of nuclear material incorporating the IAEA definition

Treaties

R&D in support of nuclear treaties monitoring and arms control verification research.

Legacy Materials

R&D supporting the security and protection of nuclear and radiological materials

Policy

Investigation and discussion of policy for science and science for policy pertinent to NTR.

What will NTR-Net do?



Research

Pilot Projects
Low cost ideas
generation

PhD level research
grants

Rapid-access grants
High impact
opportunism

Skills & Training

Undergraduate
placements - YII

PhD Training
CDT?

Post-grad
placement

Post-doc
Knowledge
Transfer grants

Communications

Thematic
Conferences

Focussed Workshops

Special Publications

Media
Slack, Website,
Training series,
YouTube channel

Things for you to do



Attend NuFor

nufor.iopconfs.org

Attend forth coming
NuSec workshop

3rd November

Apply for grants

NNSA collaboration
Personal Development

Visit the website

www.nusec.uk/nnsa

Sign up if you haven't
email info@nusec.uk