



Modelling in Nuclear Science and Engineering Seminar 2020

28/29 May
2020

Bangor
University

2 day
seminar

Topics will include

Advances
in Materials
Modelling

Materials
modelling
for ageing
plants

Next
Generation
Reactor
Modelling

Materials
modelling for the
next generation of
nuclear reactors

Modelling
Developments in
Accident Analysis

Application of
Modelling in
Risk Analysis

Load Pattern
Optimisation,
Multi-objective
Optimisation of
Fuel Assemblies
Assimilation &
Uncertainty

End of Plant Life
studies, and use
of multi-physics

Application of
ROM – a growing
area of interest

Applications of
Machine Learning to
Plant Performance

Fuel Performance
Modelling

Digital
Reactor/Digital twins