

We are delighted to announce the

# **75th SUSSP and 20th STFC Summer School in Nuclear Physics and its Applications**

**University of St Andrews, Scotland, 5th - 17th August 2019.**

This two-week residential graduate school follows directly after the International Nuclear Physics Conference (INPC), held in Glasgow, and is targeted at PhD students in theoretical, experimental and applied nuclear physics. The international school aims to broaden the participants' knowledge by providing lectures and skills-based practical sessions across a wide range of topics at the forefront of nuclear physics research and its applications. It includes sessions on careers and on nuclear physics outreach and offers all participants a chance to present their research. Lectures in the following topics are delivered by internationally leading researchers:

- Nuclear structure and reactions, exotic nuclei, gamma ray and laser spectroscopy
- Neutron star physics and nuclear astrophysics
- Hadron structure and spectroscopy
- Heavy-ion physics: quark-gluon plasma
- Applications (medical physics, industrial and cultural applications)
- Nuclear instrumentation
- Public engagement

Daily tutorial sessions consist of supervised mini-projects designed to develop a range of skills needed for nuclear physics research. They are built broadly around the following four areas:

- Theoretical modelling and calculations
- Simulation of an experiment
- Data analysis
- Advanced analysis techniques and neural networks

The school prides itself on its strong collegiate and social character: there is free time after lunch with access to sporting facilities, an organised excursion day and a free day for sight-seeing. More information and registration details are available on the school website: <https://sites.google.com/a/york.ac.uk/uknpss2019/>

We look forward to welcoming you to St Andrews!

Alessandro Pastore and Daria Sokhan  
*Directors*