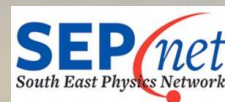


# Welcome to the

# IX NExT PhD Workshop

8-11 July 2019

The Cosener's House, Abingdon, UK



# NExT

- **NExT Institute [since 2006] [www.next-institute.ac.uk](http://www.next-institute.ac.uk)**  
[Director: Prof. S. Moretti; Deputy Director: Dr. C. H. Shepherd-Themistocleous]
  - ➔ to bring interaction between experimentalists and theorists to a new level of day-to-day interaction
  - ➔ to understand and delineate underlying theory from expected new signals from data
- **NExT PhD School[since 2007]**
  - ➔ crucial ingredient of the NExT training program
  - ➔ provides an effective learning/interaction for theorists and experimentalists
  - ➔ maximizes efficiency of teaching HEP courses, brings expertise of lecturers at different sites together to complement each other
  - ➔ based on effective use of Video Conferencing Network

# IX NExT PhD workshop

## Lecturers

Giacomo Cacciapaglia  
Glen Cowan  
Albert de Roeck  
Nazila Mahmoudi  
Sven Heinemeyer  
Stefano Profumo

## Topics

Technicolor & Composite Higgs  
Statistical analysis  
Higgs & BSM at the LHC  
Flavour & BSM at the LHC  
Higgs & BSM Phenomenology  
Cosmology and Dark Matter

## **Organizing committee:**

*Alexander Belyaev (Chair)*  
*Elena Accomando,*  
*Andrew Akeroyd*  
*Jacob Linacre*

***next.phd@gmail.com***

***https://indico.cern.ch/e/nextphd2019***

# Timetable

**Monday 08 July 2019**

**Registration and coffee** (10:30-11:30)

**Technicolor and Composite Higgs** (11:30-12:30)

**Lunch** (12:30-14:00)

**Flavour physics and BSM test at the LHC** (14:00-15:00)

**Cosmology and Dark Matter:** (15:00-16:00)

**Coffee** (16:00-16:30)

**Cosmology and Dark Matter** (16:30-17:30)

**Student session** (17:30-18:30)

**Reception** (18:30-19:00)

**Dinner** (19:00-21:00)

# Timetable

**Tuesday 09 July 2019**

<b>Technicolor and Composite Higgs</b>	<b>(09:00-10:00)</b>
<b>Cosmology and Dark Matter</b>	<b>(10:00-11:00)</b>
<b>Coffee</b>	<b>(11:00-11:30)</b>
<b>Cosmology and Dark Matter</b>	<b>(11:30-12:30)</b>
<b>Lunch</b>	<b>(12:30-14:00)</b>
<b>Higgs and BSM Phenomenology</b>	<b>(14:00-15:00)</b>
<b>Search for BSM at the LHC</b>	<b>(15:00-16:00)</b>
<b>Coffee</b>	<b>(16:00-16:30)</b>
<b>Flavour physics and BSM test at the LHC</b>	<b>(16:30-17:30)</b>
<b>Felipe Rojas</b>	<b>(17:30-18:00)</b>
<b>Q&amp;A session with NExT management</b>	<b>(18:00-18:30)</b>
<b>Dinner</b>	<b>(19:00-20:30)</b>
<b>Poster/Wine/Drinks Session</b>	<b>(20:30-22:00)</b>

# Timetable

**Wednesday 10 July 2019**

<b>Technicolor and Composite Higgs</b>	<b>(09:00-10:00)</b>
<b>Higgs and BSM Phenomenology</b>	<b>(10:00-11:00)</b>
<b>Coffee</b>	<b>(11:00-11:30)</b>
<b>Flavour physics and BSM test at the LHC</b>	<b>(11:30-12:30)</b>
<b>Lunch</b>	<b>(12:30-14:00)</b>
<b>Search for BSM at the LHC</b>	<b>(14:00-15:00)</b>
<b>Introduction to statistical analysis</b>	<b>(15:00-16:00)</b>
<b>Coffee</b>	<b>(16:00-16:30)</b>
<b>Introduction to statistical analysis</b>	<b>(16:30-17:30)</b>
<b>Student session</b>	<b>(17:30-18:50)</b>
<b>Dinner</b>	<b>(19:00-21:00)</b>

# Timetable

**Thursday 11 July 2019**

<b>Search for BSM at the LHC</b>	<b>(09:00-10:00)</b>
<b>Higgs and BSM Phenomenology</b>	<b>(10:00-11:00)</b>
<b>Coffee</b>	<b>(11:00-11:30)</b>
<b>SEPnet Employer Panel Session</b>	<b>(11:30-13:00)</b>
<b>Lunch</b>	<b>(13:00-14:00)</b>
<b>Higgs and BSM Phenomenology</b>	<b>(14:00-15:00)</b>
<b>Introduction to statistical analysis</b>	<b>(15:00-16:00)</b>
<b>Coffee and departure</b>	<b>(16:00-16:30)</b>

**Students: take an opportunity to interact with lecturers!**



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**Welcome to the IX NExT PhD workshop!**