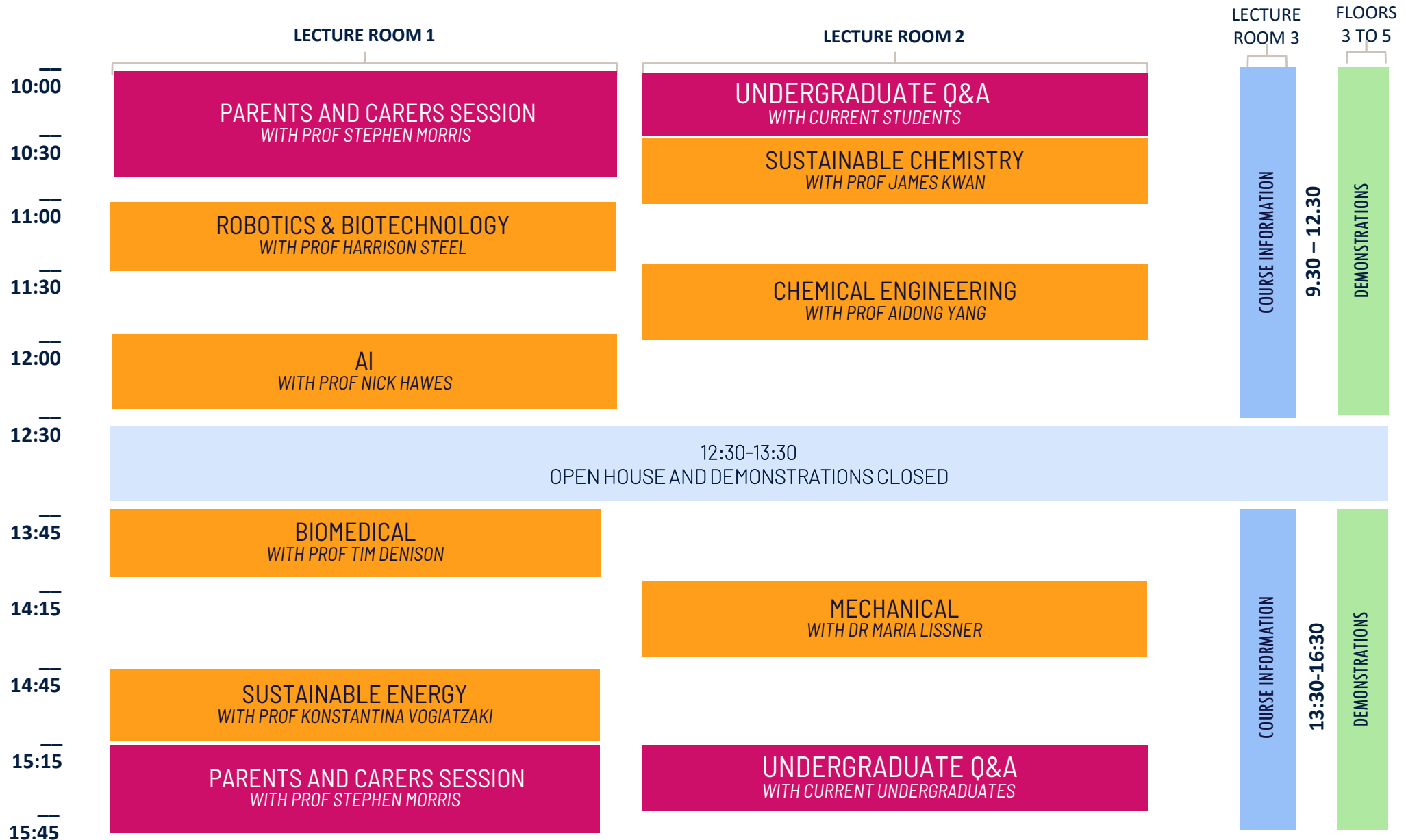


# OPEN DAY PROGRAMME 3 JULY 2025

## ENGINEERING SCIENCE



# OPEN DAY PROGRAMME 3 JULY 2025

ENGINEERING SCIENCE

## TASTER LECTURES



TIMES	Room	TITLE	LECTURER
10.30-11.00	Lecture Room 2 (1 <sup>st</sup> Floor)	Like a Hell-broth Boil and Bubble: Towards Sustainable Chemistry	Prof. James Kwan
11.00-11.30	Lecture Room 1 (1 <sup>st</sup> Floor)	Bringing Robotics to Biotechnology	Prof. Harrison Steel
11.30-12.00	Lecture Room 2 (1 <sup>st</sup> Floor)	Combating Climate Change with Chemical Engineering	Prof. Aidong Yang
12.00-12.30	Lecture Room 1 (1 <sup>st</sup> Floor)	AI is for Action: How to Decide What a Robot Does Next	Prof. Nick Hawes
LUNCH BREAK			
13.45-14.15	Lecture Room 1 (1 <sup>st</sup> Floor)	A Tale of Two Cities: Engineering Epilepsy Treatments in Harare, Zimbabwe and London, UK	Prof. Tim Denison
14.15-14.45	Lecture Room 2 (1 <sup>st</sup> Floor)	Lightweight Applications and Structures in Extreme Mechanical Environments	Dr Maria Lissner
14:45-15:15	Lecture Room 1 (1 <sup>st</sup> Floor)	Don't Blow It: How Digital Twins Keep Hydrogen in Check	Prof. Konstantina Vogiatzaki

# OPEN DAY PROGRAMME

## ENGINEERING SCIENCE 2025

### LAB DEMONSTRATIONS



#### FLOOR

6

SOFTWARE LAB A

SOFTWARE LAB DEMOS

5

ENERGY & CONTROL LAB

ELECTRONICS AND CONTROL:  
ROBOTICS, FOOTBALL PLAYING & CONTROL DEMOS

4

DESIGN, BUILD AND TEST LAB

MECHANICAL FABRICATION, MACHINERY & ASSEMBLY

4

3D PRINTING LAB

3D PRINTING, COMPUTER AIDED DESIGN (CAD) &  
SIMULATION

3

THERMOFLUIDS LAB

WIND TUNNELS & HYDRAULIC STUDIES

3

MATERIALS LAB

ELECTRON & OPTICAL MICROSCOPES  
MATERIAL TESTING MACHINERY

G

OXFORD UNIVERSITY RACING

FORMULA STUDENT LAB