

## BayesAI Workshop: Programme

Lancaster University Management School, Lancaster University, LA1 4YX  
23<sup>rd</sup> to 26<sup>th</sup> September

### Monday 23<sup>rd</sup> September – Lecture Theatre 1, Management School

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|--------------------|--|
| <b>12.30-13.30</b> | <b>Registration &amp; Lunch</b>  |
| <b>13.30-15.00</b> | Sid Jaggi: <i>Group testing: A survey</i><br>Kate Smith-Miles: <i>Optimization in the Darkness of Uncertainty: when you don't know what you don't know, and what you do know isn't much!</i> |
| <b>15.00-15.30</b> | <b>Break</b>   |
| <b>15.30-17.00</b> | Chris Oates: <i>Reinforcement Learning for Adaptive MCMC</i><br>Jose Miguel Hernandez-Lobato: <i>Accelerating Relative Entropy Coding with Space Partitioning</i>                            |
| <b>17:00–18:30</b> | Drinks Reception and Poster Session, hosted by the STOR-i CDT, held in the Management School   |

### Tuesday 24<sup>th</sup> September – Lecture Theatre 1, Management School

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|---------------------|--|
| <b>9.00-10.30</b>   | Vincent Dutordoir: <i>Geometric Stochastic Processes with Denoising Diffusion Models</i><br>Sam Power: <i>Gradient Flows for Statistical Computation - Trends and Trajectories</i> |
| <b>10.30-11.00</b>  | <b>Break</b>   |
| <b>11.00-12.30</b>  | Angus Phillips: <i>Particle Denoising Diffusion Sampler</i><br>Samuel Kaski : <i>Probabilistic modelling for collaborative AI for probabilistic modelling</i>                      |
| <b>12.30-13.30</b>  | <b>Lunch</b>   |
| <b>13.30-15.00</b>  | Ciara Pike-Burke: <i>Goal-Conditioned Hierarchical Reinforcement Learning</i><br>Omar Rivasplata: <i>PAC-Bayesian Computations</i>   |
| <b>15.00-15.30</b>  | <b>Break</b>   |
| <b>15.30- 17.00</b> | Jonas Latz: <i>Losing momentum in continuous-time stochastic optimisation</i><br>Nikolas Nusken: <i>Go with the flow</i>   |

## Wednesday 25<sup>th</sup> September – Lecture Theatre 17, Management School

- 9.00-10.30** Katerina Karoni: *Adaptive and nonlinear damping for model training*  
Mark van der Wilk: *Dynamically Adjusting Model Size*
- 10.30-11.00** Break
- 11.00-12.30** Arthur Gretton: *Wasserstein Gradient Flow on the Maximum Mean Discrepancy*  
Theresa Smith: *Gaussian process models for pollution in rivers*
- 12.30-13.30** Lunch
- 13.30-15.00** Jared Tanner: *Deep neural network initialisation: Nonlinear activations impact on the Gaussian process*  
Thomas Pinder: *Geospatial Modelling with Gaussian Processes and GPJax*
- 15.00-15.30** Break
- 15.30-17.00** Andrew Duncan: *TBC*  
Daniela de Angelis: *TBC*
- 19:00** Workshop Dinner – Private Dining Room, County South, north campus

## Thursday 26<sup>th</sup> September – Lecture Theatre 1, Management School

- 9.00-10.30** Hao Ni: *PCF-GAN: generating sequential data via the characteristic function of measures on the path space*  
Henry Moss: *Return of the Latent Space Cowboys: Rethinking the use of VAEs in Bayesian Optimisation over Structured Spaces*
- 10.30-11.00** Break
- 11.00-12.30** Theo Damoulas: *Generating Origin-Destination Matrices in Neural Spatial Interaction Models*  
Richard Turner: *Aardvark weather: end-to-end data-driven weather forecasting*
- 12.30-13.30** Lunch and close

## Location and getting here:

Lancaster University's main campus at Bailrigg is on the A6 just south of the city of Lancaster. It is close to junction 33 of the M6 motorway, or a short bus ride from Lancaster railway station. On entering campus via Bigforth Drive, turn right at the roundabout for the Management School.

Postcode: LA1 4YX

### Public Transport

100, 1, 1A buses serve city centre and campus. £2 for a single fare which is reduced down to £1 after 7pm. 1 and 1A take the most direct route.

### Taxis

There is only one uber driver serving Lancaster so it's best to call a taxi company such as:

- 848 848 Radio Taxis - 01524 848848
- 32090 Taxis - 01524 32090

(However, buses run until late and are usually the better option)

The workshop is being held in Lancaster University Management School, which can be accessed from the main entrance on South Drive (campus map is at the back of this pack)

## Whilst on campus:

### Campus Catering:

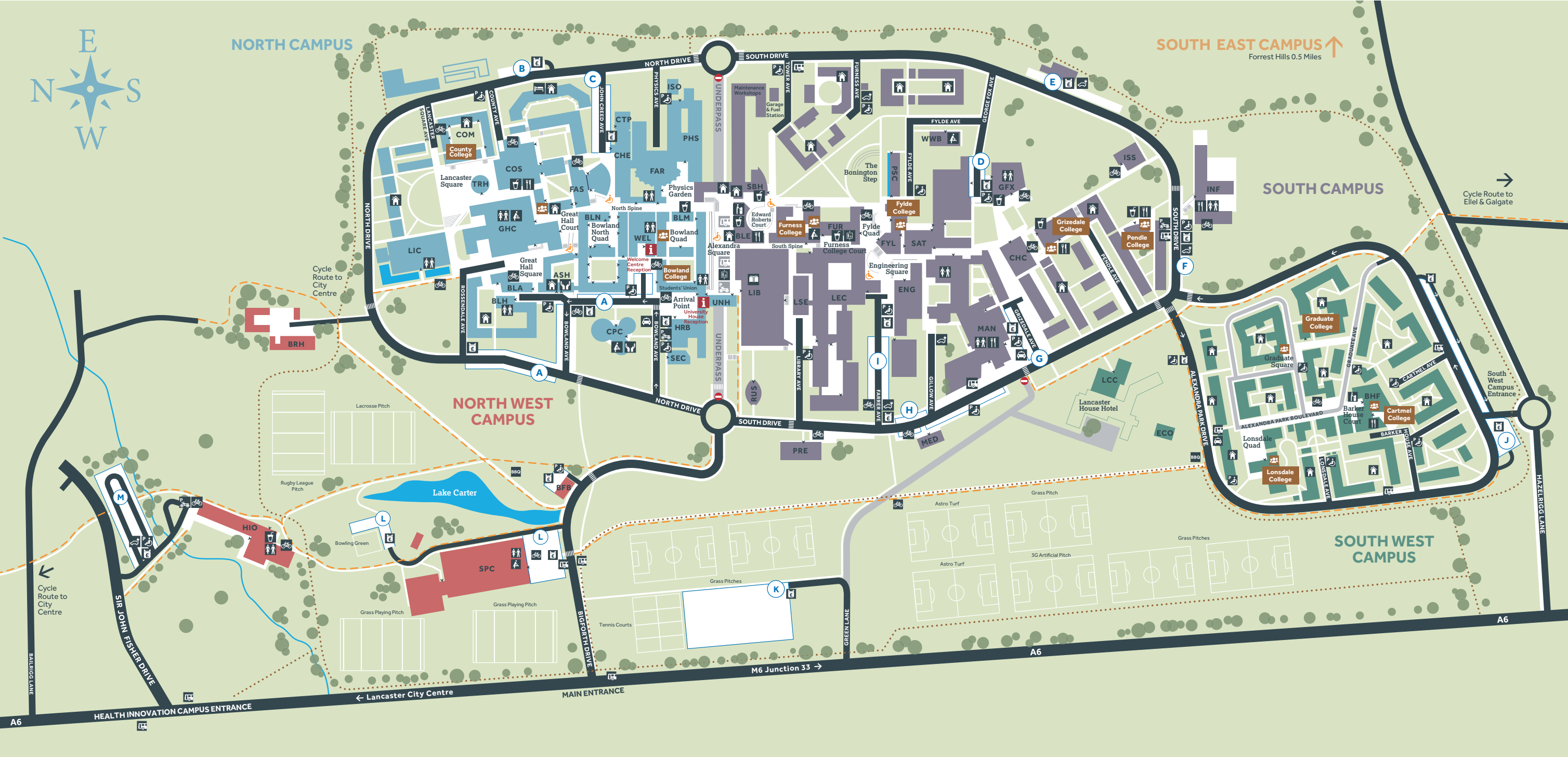
- Pizzetta Republic - Pizza, wraps, **best coffee on campus**
- Sultan Experience - Curries, kebabs, burgers
- Marketplace - Cafeteria style food
- Wok Inn - Noodles
- Fylde bar
- Lancaster House Hotel

### Food in Lancaster:

- Aquila Pizza - primarily takeaway
- Gastro pubs - White cross and The Sun
- Herberium - vegan friendly cafe with dinner service
- Misso Lounge
- Buccelli's
- Aroma Chef

### Recommended Pubs

- Stonewell for craft beer
- The Whitecross and Waterwitch canal side pubs
- The Pub
- Campus option - Fylde bar



SYMBOL KEY

Accessible Parking	Colleges	Library	Shops/Refreshments
ATM	College Bar & Social Space	Lift Access	Student Residence
Baby Change	Cycle Parking	Motor Cycle Parking	Taxi Rank
BBQ Area	Electric Vehicle Charging Point	Pay & Display Machine	Toilets
Building Entrance Point	Information Point	Prayer Room	Visitor Parking
Bus Stops	John Creed Guest Rooms	Restaurant	

WALKS & ROUTES

- Cycle Route
- Woodland Walk
- Accessible Ramp

CAMPUS ZONES

- North Campus
- North West Campus
- South Campus
- South West Campus
- South East Campus

# Location Key

## NORTH CAMPUS

- ASH

Ash House  
Islamic Prayer Room
- BLA

Bowland Annexe  
Bowland College
- BLH

Bowland Hall  
Conference & Events  
Guest Room Reception
- BLM

Bowland Main  
Bowland Lecture Theatre (Cinema)  
History  
Learning Zone (Student Information Desk)  
Pharmacy  
Research & Enterprise Services  
Student and Education Services  
Students' Union
- BLN

Bowland North  
Elizabeth Livingston Lecture Theatre  
Marcus Merriman Lecture Theatre  
Lancaster Arts  
Law School  
Sociology
- CPC

Chaplaincy
- CHE

Chemistry Building  
Chemistry  
Natural Sciences
- COM

County Main  
Department of Languages & Cultures  
Creative Studio  
English Literature & Creative Writing  
UPP Residential Services
- COS

County South  
County South Lecture Theatre  
Educational Research  
Linguistics & English Language  
Politics, Philosophy & Religion  
Private Dining Room (PDR)  
Marketplace
- CTP

cTAP Building
- FAR

Faraday Complex  
Cavendish Lecture Theatre  
Colloquium Rooms  
Faraday Lecture Theatre  
Frankland Lecture Theatre  
Mock Courtroom

- FAS

FASS Building  
Faculty of Arts & Social Sciences  
Faculty Offices  
Margaret Fell Lecture Theatre
- GHC

Great Hall Complex  
Nuffield Theatre  
Peter Scott Gallery
- HRB

HR Building  
People & Organisational Effectiveness
- ISO

IsoLab
- LIC

LICA Building  
ImaginationLancaster
- PHS

Physics Building
- SEC

Security Lodge
- TRH

The Roundhouse  
Confucius Institute
- UNH

University House  
University House Reception  
Professional Services  
Careers  
Student Services Hub  
Counselling Service  
Disabilities Service
- WEL

Welcome Centre  
Welcome Centre Reception  
Welcome Centre Lecture Theatres 1-4

## NORTH WEST CAMPUS

- BFB

Bigforth Barn
- BRH

Bailrigg House  
Lancaster Institute for the Contemporary Arts
- HIO

Health Innovation One  
Clinical Anatomy Learning Centre  
Faculty of Health & Medicine Offices  
Health Research  
HIC Team  
Lancaster Medical School
- SPC

Sports Centre

## SOUTH CAMPUS

- Bailrigg Garage & Fuel Station
- BLE

Bowland East  
Work in Progress
- CHC

Charles Carter  
Marketing  
Organisation, Work & Technology  
Charles Carter Lecture Theatre
- ENG

Engineering Building
- FUR

Furness Building  
Biomedical & Life Sciences  
Furness Lecture Theatres 1-3  
Furness College
- FYL

Fylde Building  
Fylde Lecture Theatres 1-3  
Mathematics & Statistics  
Psychology  
Fylde College
- GFX

George Fox  
International Study Centre  
George Fox Lecture Theatres 1-6  
Grizedale College
- INF

InfoLab21  
Computing & Communications
- ISS

ISS Building
- LEC

Lancaster Environment Centre  
Biology Lecture Theatre  
Biomedical & Life Sciences  
UK Centre for Ecology & Hydrology  
Environmental Science  
Ecology & Conservation  
Geography  
Gordon Manley Building
- LSE

Life Sciences & Environment Labs
- LIB

Library
- MED

Medical Centre

- MAN

Management School  
Accounting & Finance  
Economics  
Entrepreneurship & Strategy  
Management School Faculty Offices  
Management School Lecture Theatres 1-19  
Management Science  
Pendle College
- PRE

Pre-School Centre
- PSC

Postgraduate Statistics Centre
- RUS

The Ruskin
- SAT

Science & Technology Building  
Faculty of Science & Technology  
Faculty Offices  
Hannaford Lab
- SBH

Slaidburn House
- WWB

Whewell Building  
Infant & Child Studies

## SOUTH WEST CAMPUS

- BHF

Barker House Farm  
Cartmel College
- ECO

EcoHub  
Graduate College
- LCC

Lancaster Conference Centre  
Lancaster House Hotel  
Lonsdale College

## SOUTH EAST CAMPUS


Forrest Hills Conference & Events Centre



### MazeMap

Navigate around campus using our interactive map





### iLancaster

Get our iLancaster app to help and enhance your visit to the University. Available to download for Apple and Android devices or to access on the web. Go to [m.lancaster.ac.uk](https://m.lancaster.ac.uk)

