

## Beautiful data

12 March 2020

Data, data everywhere but perhaps we should stop and think? This most precious of commodities could deliver breakthroughs in medicine and patient care, help us better understand the universe or make our lives easier by training our household devices to know what we like. But does the data revolution also threaten our personal privacy and how much of a say do we have in how our data is used? Explore both sides of this (bit) coin at Imperial Lates.

### Latest events direct to your inbox!

The Imperial Lates series offers just a glimpse into the exciting programme of events that Imperial hosts throughout the year. Fancy joining us for another lecture, concert or exhibition?

Sign up for our newsletter and you'll never miss out again!

[imperial.ac.uk/whats-on/events-signup](https://imperial.ac.uk/whats-on/events-signup)



with thanks to support from



Imperial College London

[imperial.ac.uk/Festival/Lates](https://imperial.ac.uk/Festival/Lates)

[imperialcollegelondon](https://www.facebook.com/imperialcollegelondon)

[#ImperialLates](https://twitter.com/ImperialLates)

# IMPERIAL LATES

Thursday 13 February 2020

18.00–21.00



Grab a drink after hours and imagine the cities of the future...

[#ImperialLates](https://twitter.com/ImperialLates)

# IMPERIAL LATES

#ImperialLates

## Key to events

-  Map reference
-  Pre-registration required
-  Time-specific event

## PLANNING TO ATTEND A TALK?

See below to help you plan. Our talks are first come first served, apart from 'Are driverless cars a good idea?'. All of our other activities are drop-in.

**1**   

### Are driverless cars a good idea?

Dr Nejra Van Zalk, Dr Panagiotis Angeloudis, Dr Audrey de Nazelle, Hana Caselton

**18.45–19.45** **Pre-registration required**

Far from being a feat of science fiction, driverless cars are here and on our roads. In this discussion, we'll examine them from social, psychological, safety, security and health perspectives. What do you think? Join the discussion with experts from Imperial College London and TfL.

**2** 

### Charging electric vehicles from thin air

Department of Chemical Engineering

Electric vehicles call for a completely new type of service station for filling up on the go. Imperial startup Cheesecake Energy has a unique solution.

**3** 

### Amber inspiration

Department of Civil and Environmental Engineering

Amber Bridge explores the links between science, architecture and urban environment. Find out more about the ideas, city and material it draws its inspiration from.

**4** 

### Eyes on bikes

Imperial Enterprise Lab

Why your next car should be a bike. Find out how bike eyes and data can make city cycling safer and friendlier.

## Lates Bar

Serving a range of alcoholic and soft drinks, grab a drink as you explore the Lates.



**5** 

### Recharge your batteries

Department of Chemical Engineering

Get on your bike, charge your phone, and find out how batteries make all the difference to our energy storage hopes.

**6** 

### What will last mile transport look like in 2045 London?

Dyson School of Design Engineering

What do we need to consider and how might we make it happen?

**7** 

### Poetry wall

Pin up your poems or words inspired by your future and current commute. Chat to Dan the roaming poet for inspiration and guidance.

**Performance**

### Lates roaming poet

Look out for Dan Simpson (in his sandwich board!) throughout the evening and create a poem.



**8** 

### Shell Eco-marathon vehicle

Department of Mechanical Engineering

Preview the ultra-efficient battery electric vehicle entering the Shell Eco-marathon competition this year.

**9** 

### Imperial Racing Green

Department of Mechanical Engineering and others across Imperial College London

Meet the student-run formula racing team using motorsport to develop future electric transport.

**10** 

### Detecting drowsy drivers

Department of Civil and Environmental Engineering

Test drive the wearable tech that tells you how tired you are on the road.

**11** 

### The Tyre Collective

Dyson School of Design Engineering, Royal College of Art

Tyres: the invisible plastic polluters you never thought about and how we capture it.

**12** 

### Come fly with us

Department of Physics

Launch your paper aeroplane and reveal your carbon footprint.

**13** 

### Future commuter

Centre for Environmental Policy and creative collective, M.Y.O

Get crafty and build your commute of the future, in a city where anything goes!

**14** 

### Coding robots

The Hamlyn Centre

How does it all actually work? Try your hand at our robot code simulator.

**15** 

### Do you trust AI to drive?

Department of Electrical and Electronic Engineering

AI is the driving force behind a lot of autonomous vehicle research but can you trust a driver you can't see?

**16**  

### Policy pile-up

Grantham Institute for Climate Change

**Timed workshop, first come first served, 18.45 and 19.45 (duration 45 minutes)**  
Game your way through how we make big decisions about getting around London.

**17** 

### Water-fuelled cars

Department of Chemistry

Race your toy fuel cell car around our track and chat all things Hydrogen power.

**18** 

### Go with the flow

Department of Aeronautics and artists Marcia Teusink and Andy D'Cruz

Explore the beauty of fluid dynamics with experimental drawing.

**19**  

### A love letter to...

In honour of Valentine's Day, researchers share what they're passionate about.

**Talks are on the lower ground floor:**

**18.30–19.00**

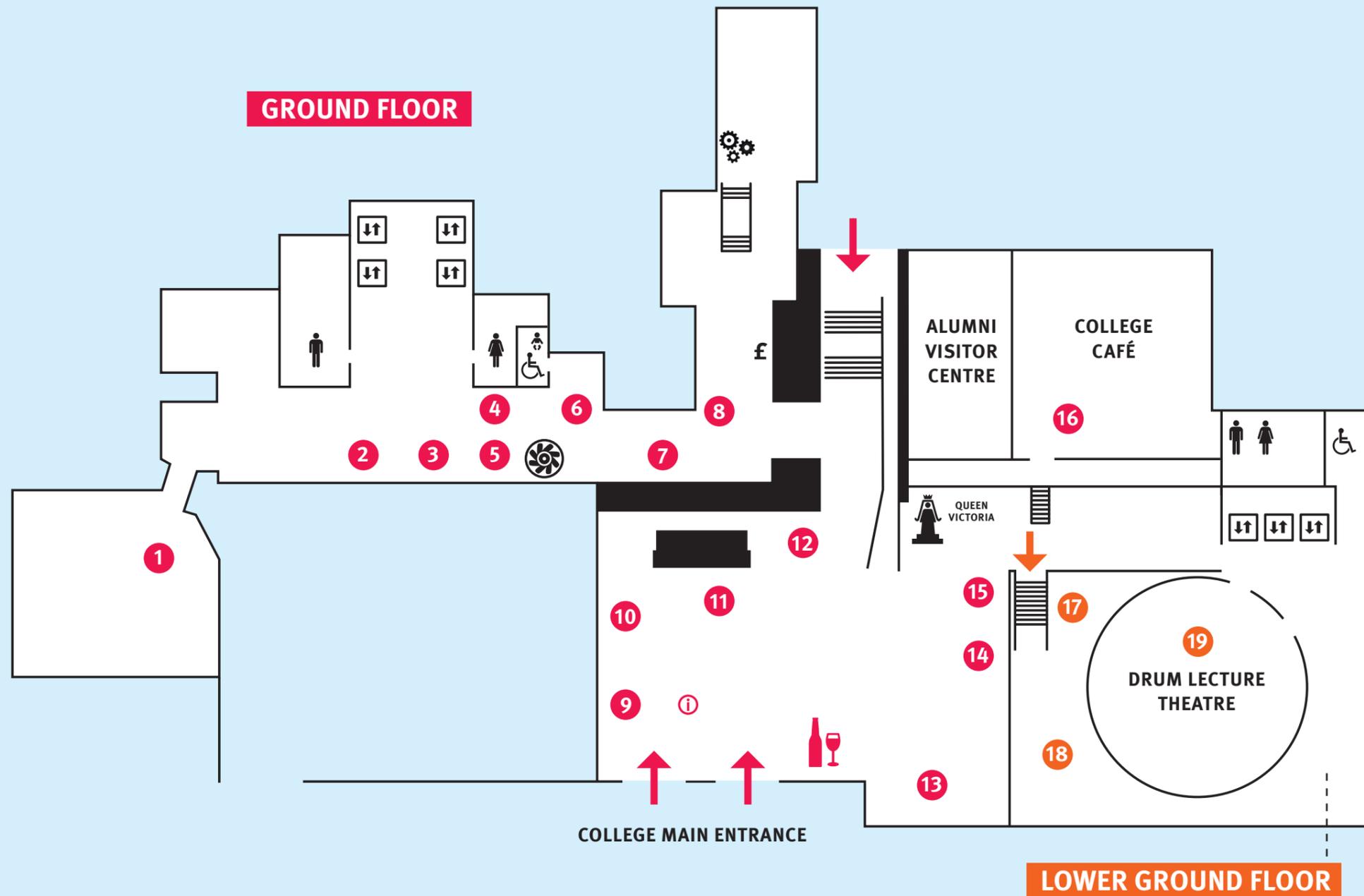
...Future mobility (Joe Griston) Transport can be complex and expensive. Hear how Arrival, the world's newest tech unicorn, is tackling it.

**19.15–19.45**

...Inclusive transport for everyone (Students from the Dyson School of Design Engineering)

**20.00–20.30**

...Designing for people (Dr Stanislava Boskovic) Someone asks you to design a new public space, where do you start?



## GROUND FLOOR

- 1 Are driverless cars a good idea?  
🕒 18.45–19.45
- 2 Charging electric vehicles from thin air
- 3 Amber inspiration
- 4 Eyes on bikes
- 5 Recharge your batteries
- 6 What will last mile transport look like in 2045 London?
- 7 Poetry wall
- 8 Shell Eco-marathon vehicle
- 9 Imperial Racing Green
- 10 Detecting drowsy drivers
- 11 The Tyre Collective
- 12 Come fly with us
- 13 Future commuter
- 14 Coding robots
- 15 Do you trust AI to drive?

- 16 Policy pile-up  
🕒 Workshops taking place:  
18.30–19.15  
19.30–20.15  
first come, first served

## LOWER GROUND FLOOR

- 17 Water-fuelled cars
- 18 Go with the flow
- 19 A love letter to...  
🕒 18.30–19.00  
Future mobility  
(Joe Griston)  
19.15–19.45  
Inclusive transport for everyone  
(Students from the Dyson School of Design Engineering)  
20.00–20.30  
Designing for people  
(Dr Stanislava Boskovic)

### Lates roaming poet

Look out for our roaming poet Dan Simpson (in his sandwich board!) throughout the evening.



### Key:

- |                    |                             |                          |
|--------------------|-----------------------------|--------------------------|
| 1 Lates listing    | 🕒 Pre-registration required | 🚗 Lift                   |
| 📄 Information desk | 🕒 Time-specific event       | £ Cash machine           |
| 🍷 Bar              | 🚪 Stairs                    | 🚻 Toilets                |
|                    |                             | 👶 Baby changing facility |

Tell us what you think! We want to make sure these events work for you – tell us what you like and what you don't

[bit.ly/FutureCommuterEval](https://bit.ly/FutureCommuterEval)

[@ImperialCollegeLondon](https://twitter.com/ImperialCollegeLondon) [imperialcollegelondon](https://facebook.com/imperialcollegelondon)

[@imperialcollege](https://instagram.com/imperialcollege) #ImperialLates