

Sustainable Innovation 2019

Road to 2030: Sustainability, Business Models, Innovation and Design

22nd International Conference
4th-5th March 2019
University for the Creative Arts (UCA), Epsom, Surrey, KT18 5BE
United Kingdom



Welcome

Welcome to the 22nd International **Sustainable Innovation 2019** conference focused on **Road to 2030: Sustainability, Business Models, Innovation and Design** organised by The Centre for Sustainable Design® at the University for the Creative Arts (UCA) in the UK.

Sustainable Innovation 2019 will take place on **4th – 5th March 2019** at UCA, Epsom, Surrey, UK.

This Factfile contains information to assist delegates in organising their participation at this high level event. We hope you find the following information useful and look forward to meeting you at the University for the Creative Arts, Epsom, Surrey, United Kingdom.

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Background

By 2030, the world will be a different place, reacting and responding to a number of mega trends. Thomas L. Friedman in his book “Thank You for Being Late: An Optimist's Guide to thriving in the Age of Accelerations” highlights that the planet's three largest forces - Moore's law (technology), the market (globalisation) and Mother Nature (climate change and biodiversity loss) - are now accelerating all at the same time (Friedman, 2016). More broadly PWC described five mega trends: urbanisation; climate change and resource scarcity; shifts in global economic power, demographic and social change; and technological breakthroughs (PWC, 2017). Both reinforce growing environmental, economic and social mega trends that will have implications for the types of products, services and technologies that will be designed, developed and used into the future

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By 2030, tackling sustainability – particularly climate change, water scarcity and circular economy - will be increasingly important considerations in the design and development of products, services and technologies. A major survey by the World Economic Forum (WEF) in 2017 gives a signpost to the future, highlighting that Millennials see climate change and the environment as the top global concerns (49%) for the third year in a row and they are willing to change their lifestyles (78%) to protect the environment (WEF, 2017). How these concerns will feed through to customer and societal requirements for products, services and technologies over the next decade will be an important consideration for design and development. On the flipside, there are likely to be an increasing number of new opportunities for eco-innovative products, services, technologies and new business models that will emerge for pro-active entrepreneurs, innovators and designers.

As concerns over climate change, water scarcity and circular economy increase throughout the 2020s, how will automotive, building, construction, electronics, energy, technology, food, retailing, fashion and clothing sectors respond? Many questions will emerge for entrepreneurs, innovators and designers as we move to 2030: Will execution of the UN Sustainable Development Goals accelerate sustainable innovation? How will the design and development of smarter, sustainable cities impact on the development of products, services and systems? Will increased electrification impact on mobility, freighting and materials movement; how will implementation of Industry 4.0 ‘enabling technologies’ – blockchain, artificial intelligence, machine learning, robotics - impact on sustainable innovation? Will open innovation and new collaborative approaches enable the development of new sustainable solutions? How will increased diffusion of circularity impact on design, innovation, business models and infrastructure? Will bio-materials innovation increase? what re-skilling and re-training will be needed to enable circular and low carbon futures be realised? And will the convergence of mega trends lead to systemic change?

Concept

Sustainable Innovation 2019 will provide a platform to discuss future visions of how sustainability will impact on business models, products, services, technologies, innovation and design in 2030. *Sustainable Innovation 2019* will include invited and refereed papers from academics, consultants, entrepreneurs, technology providers, designers, and innovation and sustainability directors. The international conference will create a unique space for learning, networking and thinking. Delegates will come globally from large companies, SMEs and start-ups, as well as academia, government and non-governmental organisations. An international Advisory Board supports the conference.

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Conference Topics

Sustainable Innovation 2019 welcomes conceptual and research-based papers focused on *future visions of how sustainability will impact on business models, innovation and design in 2030*. Papers should cover business models, products, services, services and/or technology design, and development and commercialisation issues related to the following topics:

- Radical change
- Disruptive innovation
- Market transformation
- Sustainable consumption & production
- Green growth & economy
- Circular economy
- Low carbon innovation
- Eco-innovation
- Product policy
- (New) business models
- Product sustainability
- Re-use, repair & manufacturing
- Makers, modifiers & fixers
- Crowdfunding
- Open innovation & crowdsourcing
- Design management & strategies
- Industry 4.0
- Product-service-systems (PSS)
- New technologies & materials
- Biomimicry
- Innovation processes
- Organisational dimensions
- Product design & development
- Supply chains & networks
- Fab labs, makerspaces & repair cafes
- Incubators & accelerators
- Tools & methodologies
- Case studies

Why Attend?

Sustainable Innovation 2019 will provide a range of benefits to speakers and delegates:

- Unique: Forum for new thinking, ideas and concepts
- Leading-edge: Presentations from key international researchers, practitioners and policy-makers
- Content: New research, results and thinking
- Networking: Opportunities to meet leaders from business, government and academia
- Track-record: Over 2500 delegates from over 50 countries have attended previous events

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Benefits of Attending

Sustainable Innovation 2019 will provide a range of new contacts, knowledge, information and ideas.

- New Contacts: 80%
- New Knowledge: 64%
- New Information: 64%
- New Ideas: 58%

Source: 107 respondents from survey of delegates to Sustainable Innovation conferences 2008 – 2012

Conference Organisers

The Centre for Sustainable Design® (CfSD) was established in 1995 at the University for the Creative Arts (UCA) in Farnham, Surrey, UK. CfSD has built world-class knowledge and expertise of sustainable innovation and product sustainability. Having worked closely with business, policymaking and research communities for two decades. The Centre researches, develops and disseminates understanding of present and future sustainability impacts and solutions related to innovation, products, technologies, services and systems through projects, training, events, networks and information. CfSD has led and participated in a range of high quality research and knowledge transfer projects worldwide and has organised hundreds conferences, workshops and training courses. CfSD works with partners in Europe, North America and Asia to deliver high quality results and is an internationally recognised centre of excellence.

For 150 years the University for the Creative Arts (UCA) has been equipping students with the skills needed to thrive in the creative sector. CfSD is located within the Business School for the Creative Industries. There is growing recognition that creativity and innovation in businesses depends on the skills and attitudes that specialist universities such as UCA have taught for many years as part of a creative education.

University for the Creative Arts (UCA) is a specialist arts and design university based on four campuses: Epsom; Farnham; Canterbury and Rochester. UCA has seven schools – 3D Design, Architecture, Communication Design, Fashion, Film & Media, Fine Art, and Further Education. UCA campuses include workshops for ceramics, glass, wood and metals where students can experiment under the supervision of technicians with extensive industry experience in their field. There is extensive studio space in painting, sculpture, fashion and film-making; radio and TV facilities for trainee journalists; stop motion equipment for animators; and an industry-standard Gerber suite for fashion pattern cutting. The university has created a unique community for its students, where like-minded people can share in the creative process and inspire one another. Creativity is the energy that drives everyone here to invent, explore and collaborate. When you study at UCA, you'll get the opportunity to immerse yourself in an unrivalled creative vibe, find your own style and create the extraordinary.

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UCA's campuses offer cutting-edge creative environments, packed with the latest equipment and resources, which creates unique communities of artists, designers, makers, writers and researchers. Collaboration between courses is encouraged, with fine artists studying with film-makers, and fashion designers working alongside architects. In this way, UCA students benefit from exposure to a range of disciplines. UCA alumni include, Karen Millen and Zandra Rhodes in the world of fashion; jeweller, Stephen Webster; Oscar winning animators, Michael Dudok de Wit and Suzie Templeton; artists, Humphrey Ocean and Tacita Dean; and, textile designer Roger Oates.

Venue

University for the Creative Arts (UCA)

Business School

Ashley Road

Epsom

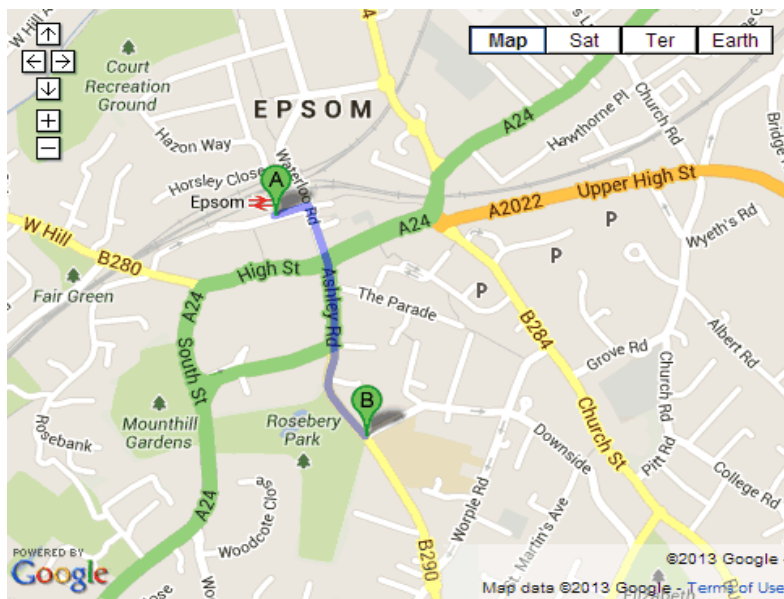
Surrey

KT18 5BE

United Kingdom

Tel: +44 (0) 1372 728811

Web: <http://www.ucreative.ac.uk/epsom>



Travel Tips

Currency in United Kingdom is Pounds (£)

Rail tickets and timetables: <http://www.thetrainline.com>

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Travelling to UCA Epsom by Train (& Foot)

Take a **National Rail** train from London Waterloo or London Victoria to Epsom. It is five minutes' walk from Epsom station to the University, opposite Rosebery Park in Ashley Road. As you leave the station turn left down Station Approach, then right down Waterloo Road. Cross the High Street into Ashley Road (you will need to be on the left hand side of the road). Walk past Heathcote Road and the University is on the left.

Eurostar passengers should get off the train at London St. Pancras International, then take the **Underground** (Victoria Line - Southbound) to London Victoria, or change at Oxford Circus for the Bakerloo line - Southbound to Waterloo.

Travelling to UCA Epsom by Car

On the A3 from London, exit at the Tolworth Roundabout take the A24 heading for Epsom town centre. When you enter Epsom town centre, pass under the railway bridge, bear right into the main High Street and keep to the left hand lane, turning left at the lights into Ashley Road. Keep to the left hand lane and the University is on the left just after the turning for Heathcote Road.

From the M25, take the A24 from junction 9. Follow the road through Ashted into Epsom, bear right onto the High Street (the clock tower will be on your right). At the next main set of lights turn right into Ashley Road. Move immediately into the left hand lane and the University is on the left just after the turning for Heathcote Road.

Travelling to UCA Epsom by Air

It takes between one and two hours to drive from Heathrow, Gatwick, Stansted and Luton airports to UCA Epsom. The same journeys take between two and three hours by train. There are rail connections from all the airports via central London to Epsom, where you can walk or take a taxi to the University.

Arriving from Heathrow Airport

Option 1:

Take the **Heathrow Express** to London Paddington Station. At London Paddington take the **Underground** (Bakerloo Line - Southbound) to Waterloo, then take a **National Rail** train from London Waterloo Station to Epsom. From here either walk or take a taxi to the University.

Estimated journey time: 2h 00m (From Heathrow to Epsom station)

Approximate travel price: £30

Option 2:

From Heathrow **Underground** Stations take the Piccadilly Line (Eastbound) to Green Park Underground Station. Change and take the Victoria Line (Southbound) to Vauxhall Station. From Vauxhall Station take the National Rail Train to Epsom. Duration: 1h 40m
Price: £10.60

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Arriving from Gatwick Airport

Take the [Gatwick Express](#) to London Victoria Station, where you can take a [National Rail](#) direct train to Epsom and then walk or take a taxi to the University.

Estimated journey time: 1h 10 (From Gatwick to Epsom station)

Approximate travel price: £20* (including Gatwick Express)

Arriving from Stansted Airport

From Stansted Airport Parkway take the [Stansted Express](#) to London Liverpool Street Station.

Take the [Underground](#) (Circle Line - Clockwise) to Victoria. From London Victoria Station take a [National Rail](#) train to Epsom and then walk or take a taxi to the University.

Estimated journey time: 1h 20m (From Stansted Airport to Epsom station)

Approximate travel price: £31-00*

Arriving from Luton Airport

Take [Luton Airport Shuttle](#) (£2-£3) to Luton Airport Parkway.

From Luton Airport take a [National Rail](#) train to London St. Pancras International, then take the [Underground](#) (Victoria Line - Southbound) to Waterloo (changing to the Bakerloo line - Southbound at Oxford Circus).

From London Waterloo take a National Rail train to Epsom.

Estimated journey time: 2h (From Luton Airport to Epsom station)

Approximate travel price: £25*

For latest information you can see the links above or you can ask the staff at the Airport Train Station on the day you travel about the best way to get to Epsom station on the day. Also please bear in mind Sunday services will take much longer than has been displayed in the information above.

Taxis

Apex Car Hire – 0208 3938222 (Heathrow to Epsom = £35.00) Gatwick to Epsom = £32.00) – UCA preferred supplier.

Viceroy Car Hire – 01372 722222

Lady Safe – 0208 3938100

725000 Taxis – 01372 725000

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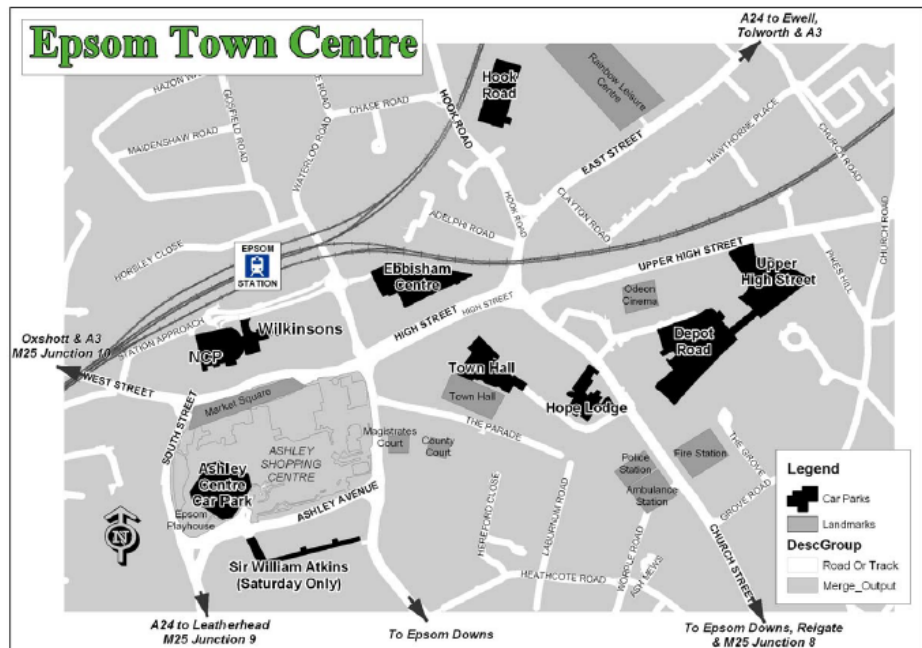
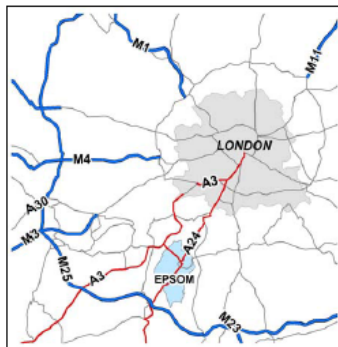
Car Parking

Ashley Centre Multi-Storey – Monday – Sunday 24 hours

Ashley Avenue, Epsom, KT18 5AL

Depot Road – Monday – Sunday 24 hours

Epsom, KT17 4RJ



- How to get here

- **By car:** M25 exit Junction 9, take the A24 towards Epsom
- **By train:** Direct links to Epsom from either London Waterloo or London Victoria. For train times and information, call **National Rail Enquiries** on 08457 48 49 50, or visit www.nationalrail.co.uk
- **By bus:** Regular bus services link Epsom with local centres, including Sutton and Kingston. For travel enquiries, call **Traveline** on 0871 200 22 23, or visit www.traveline.info

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About Epsom

The name 'Epsom', derives from Ebbi's ham (Ebbi, a Saxon woman and ham, a large homestead). The word 'Ewell' comes from the Old English 'Aewiell', meaning 'the spring at the head of a river'. Epsom and Ewell is on a spring line at the base of the Downs, an area where early man would have found good hunting and other resources. Evidence of Bronze Age farming has been found in the area. In 70AD, Roman surveyors constructing Stane Street, from London to Chichester, had to change direction at the source of the Hogsmill River. Houses were built alongside the road and by 150AD, Ewell was a large village. Various Roman offerings have been found in the area's springs. In medieval times, both Epsom and Ewell were small rural communities, with Ewell being the larger of the two. The major event in Tudor era was the building of Nonsuch Palace by Henry VIII in 1538 to celebrate thirty years of his reign. The village of Cuddington was removed to allow for the palace and associated hunting grounds. Epsom remained a small village until the early 17th Century when water on Epsom Common was found to have medicinal properties and the minerals in Epsom salts were identified. Epsom village soon became a prosperous spa town attracting several notable visitors, including Samuel Pepys and Nell Gwynn. Under the Commonwealth horseracing was banned, but upon its demise, the first recorded race meeting in the country took place at Epsom on 7 March 1661 in the presence of Charles II. The first running of the Derby took place on Thursday, 4 May 1780. The spa town declined in the early eighteenth century but by then wealthy merchants were moving their homes out from London into the villages of Epsom and Ewell.

One of the industries that was carried out in Ewell from the mid-eighteenth century was gunpowder manufacture. Several local families grew wealthy on the industry which was based on the Hogsmill river. Henry Dorling ran a successful printing and publishing business in Epsom and was heavily involved with the running of the Derby. One of his step daughters, Isabella, married Samuel Beeton in 1856. Isabelle was to gain fame as Mrs Beeton on publication of her book on household management. In 1896 the London County Council bought a rundown estate in the area which covered 1060 acres, comprising a mansion house, grounds, woods and four farms. Over the next 30 years five, self-sufficient, hospitals were built on the land and the estate became the world's largest cluster of hospitals for the mentally ill. The railways came to the borough in the mid nineteenth century and stimulated rapid house building to cater for the new breed of commuter to and from London. Lord Rosebery was a Liberal politician who held the position of Foreign Secretary, was the first chairman of the London County Council and in 1894, became Prime Minister (all before he was fifty). A passionate horseman, two of his horses won the Derby (while he was prime Minister) In 1878 he bought stables and a large house in Epsom where he was to live for the rest of his life. He gave land to the area (which was named Rosebery Park in gratitude) and died in 1929.

At the start of the First World War a major training camp was set up at Woodcote to train the thousands of volunteers to attain a level of efficiency that would allow them to go to war. Later in the war it was used as a base for commonwealth troops before the entered action on the continent. Lord Kitchener famously addressed troops about to be sent to the front on a snow packed Epsom Downs in 1915. The racecourse grandstand and some of the mental hospitals were commandeered as hospitals to treat wounded coming back from the front. Some of the hospitals were used for this function again, for the Second World War. In 1919 Canadian soldiers, waiting to be shipped back home rioted in Epsom town centre, killing a British policeman. The suburbs of Auriol, Stoneleigh and Worcester Park were developed in the 1920s and 30s as part of the metro land expansion of the suburbs. Further major housing expansion in the area didn't take place until the early 21st century, by which time the treatment of mental health had evolved and the hospital cluster gradually closed and the land developed for housing.

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Hotels

Premier Inn Epsom Central – 58 Rooms

2-4 St. Margarets Drive off Dorking Road, Epsom KT18 7LB, England

Telephone: 0871 527 8376

Website: <http://www.premierinn.com/en/hotel/EPSHAY/epsom-central>

Travelodge Epsom Central Hotel – 64 Rooms

Station Approach, Epsom, KT19 8EU, England

Telephone: 0871 984 6268

Website: <http://www.travelodge.co.uk/hotels/557/Epsom-Central-hotel>

Travelodge Leatherhead Hotel

High Street, Leatherhead, KT22 8AA, England

Telephone: 0871 984 6248

Website: <http://www.travelodge.co.uk/hotels/256/Leatherhead-hotel>

Premier Inn, Epsom North Hotel – 29 Rooms

Kingston Road, Ewell, KT19 0SH, England

Telephone: 0871 527 8376

Website: <http://www.booking.com/hotel/gb/premier-inn-epsom-north>

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Restaurants

When it comes to eating and drinking there are various options in Epsom. You can quickly enjoy the lively bars and restaurants in the town e.g. a 5 minute walk from the campus or take a short bus or train journey to Sutton, Kingston or Wimbledon. Choose between big name chains or specialty restaurants exclusive to Epsom.

Nando's Epsom

Tel: 0201372 749774

Cuisine: Portuguese

<http://www.nandos.co.uk/restaurant/epsom>

The Neapolitan Kitchen

Tel: 020 83931294

Cuisine: Italian

<http://www.theneapolitankitchen.co.uk/>

Bamboo Basket Ltd

Tel: 0201372728428

Cuisine: Asian and Chinese

<http://www.bamboo-basket.co.uk/#>

Bills

Tel: 01372 730 245

Cuisine: Modern British

<https://bills-website.co.uk/restaurants/epsom>

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Pubs

The Marquis of Granby

4 West Street, Epsom, KT18 7RG, England

Tel: 0201372 744278

<http://www.themarquisofgranbyepsom.co.uk/>

The Rubbing House

34 Langley Vale Road, Epsom, KT18 5LJ, England

Tel: 0201372 745050

<http://www.rubbinghouse.com/>

Kings Arms

144 East Street, Epsom, KT17 1EY, England

Tel: 0201372 723892

<http://www.youngs.co.uk/pub-detail.asp?pubid=292>

The Famous Green Man

71 High Street, Epsom, KT17 1RX

Tel: 020 83939719

<http://www.famousgreenman.co.uk/>

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Cancellation policy

If you find yourself unable to attend after booking your place, you may nominate a substitute up to five working days before the event by informing us in writing. Cancellation may be made up to 21 working days prior to the event. There will be an administration fee for such cancellation of £25.00 (plus VAT). Cancellations made after this time, up to 10 working days prior to the event, are eligible for a return of 50% of the fees paid but will receive a copy of conference proceedings. No refunds for cancellation are available after this point.

Contact

For more information on Sustainable Innovation 2019 please contact:

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