

Bristol Festival of Ideas /

In association with

TheObserver



BRISTOL

2015 EUROPEAN GREEN CAPITAL

@FestivalofIdeas #futurecity15

www.ideasfestival.co.uk

Festival of the Future City



Tuesday 17 - Friday 20 November 2015

In partnership with:



Supported using public funding by
ARTS COUNCIL ENGLAND



Innovate UK



Foreword by George Ferguson/

Bristol 2015 has been a remarkable year with projects taking place across the city encouraging change in how we live, work, travel, learn and play – as well as having some fun along the way.

It's also been a year of debate about the city: in conferences and conversations – from our local neighbourhoods and communities to our universities; amongst businesses, voluntary organisations and arts bodies; and in houses, pubs and cafés – people have discussed liveable cities, fair trade, green cities, being active citizens, the economies of cities and more.

The Festival of the Future City is the culmination of our debates in 2015.

Cities are the future, as the majority of the world's population move to live and work in them. Cities offer opportunities for local action, as well as partnership action with other cities coordinated through mayors and city leaders. The Festival of the Future City – and all the other initiatives that have taken place this year – have helped put cities at the centre of debate about sustainable futures with Bristol at the heart of this.

Please join me in the discussions, presentations and workshops and help determine not just the future of Bristol but of all cities.



I want to thank all the partners in the festival, the sponsors of Bristol 2015, and the Bristol Cultural Development Partnership – Arts Council England, Bristol City Council and Business West – for their continuing work over many decades to make cities vibrant and creative places for all.

George Ferguson
Mayor of Bristol

Introduction by Andrew Kelly/

Our Festival of the Future City aims to inspire wide thinking and debate about the future of cities; look at examples of good practice in cities that will help promote a better and more resilient, sustainable and prosperous future for all; examine examples of city futures and city thinkers from the past and what they can tell us now.

We're interested in all aspects of city life and work: the smart city; city economies; cities for all citizens; immigration and the city; the city builders of the future; fairness and the city; legibility and cities; creative and playable cities; city philanthropy; technology, privacy and security issues; city devolution; the future of work; housing; garden cities and more.

The Festival of the Future City has been supported by Arts Council England as part of the Exceptional award made to Bristol Cultural Development Partnership for Bristol 2015. We are grateful to Arts Council England for this and for their support for Withdrawn, the Richard Long exhibition, Arcadia, Sanctum and Theaster Gates, and the Bristol Whales. Thanks too to University of the West of England, InnovateUK and Bristol City Council for their support for the festival.

All booking details are at the back of the brochure. For further details of all events, biographies of speakers, news, updates, booking links and additions to the programme go to www.ideasfestival.co.uk/seasons/festival-future-city. We look forward to you joining the debates.

Andrew Kelly
Director

Special pre-festival events/

**InnovateUK Future City
Demonstrator Learning Events: Bristol**
Mon 16 November 2015, 09.00-17.00
Watershed, Bristol
Free, but booking required

Over the past two years, InnovateUK has invested £33m in its Future Cities Demonstrator project. This enables businesses to test new solutions for connecting and integrating individual city systems. It also allows cities to explore new approaches to delivering a good local economy and excellent quality of life, whilst reducing their environmental footprint and increasing resilience to environmental change. Workshops in each demonstrator city bring together key players to share learning and insights with other cities to help address a common challenge of how to mobilise investment in new smart city initiatives. The Bristol event is the first in the series.

Innovate UK



The Next City: Re-imagining the Means of Production

Mon 16 November 2015, 17.00-18.30

Novers Park Community Association (next to Knowle West Media Centre)

Free, but booking required

Digital fabrication technologies hold the possibility for radically democratising the design and construction of how and where we make almost everything – including our homes and communities. This event brings together leading thinkers, architects, artists, makers and local people to explore how the new means of production can be held in the hands of the many rather than the few and how they can be used to create the places communities want. Speakers include: Je Ahn, Bruce Bell, Kathrin Böhm, Melissa Mean and Jonathan Mosley.

Following the event ticket holders are invited to attend a preview of the exhibition *The Artist Hotel: A Room with a View* at Knowle West Media Centre (18.30-20.30), further details of which are on the website.

In association with the Department of Architecture and the Built Environment at the University of the West of England, Knowle West Media Centre and The Architecture Centre.

Building Healthy Cities for All

Bristol Health Partners is committed to building a healthy city for all: cities that are liveable for all ages and promote health and happiness; see reductions in inequality; and help citizens fulfil their potential. Sessions include: age-friendly cities (see below); health and cities – covering both physical and mental health; and creating healthy and happy places. Speakers include: Liz Zeidler (Happy City Bristol), Joe Irvin (Living Streets), Claire Miller (LinkAge), David Relph (Bristol Health Partners), Debbie Sorkin (The Leadership Centre). The Building Healthy Cities for All sessions will be launched in full in early October. There are also sessions through the festival on this theme, including Michael Marmot (page 10) and Social Mobility in Future Cities (page 12) among others.

Building Age-Friendly Cities

Tue 17 November 2015, 09.30-10.30, Watershed, Bristol, £7 / £6

As city populations age there's a need to consider the specific needs of older people in urban areas. This is a great opportunity: creating age-friendly cities means not just adapting places to deal with problems but encouraging all to take full advantage of city life and living. Bristol aims to be an age-friendly city, but what does this really mean? What can be learned from other cities? Writer and sociologist Anne Karpf (author of *How to Age*) joins Paul McGarry (Age-Friendly Manchester), Helen Manchester (University of Bristol) and Guy Robertson (Positive Ageing Associates).

In association with

See also the walk on page 22. If you wish to attend both the session and the walk, transport will be provided from Watershed to the venue.

**Bristol Health
Partners**

Tuesday 17 November 2015/

Steve Leonard
Smart Nation Singapore
Tue 17 November 2015, 12.30-13.30
Arnolfini, Bristol
Free, but booking required

Singapore aims to be the world's first Smart Nation, with fuller use of technology to live, work and play, resulting in improved quality of life for individuals; business opportunities for enterprises; and an anticipatory government that uses technology to better serve and anticipate citizens' needs. Smart Nation brings together world-ranked universities and medical facilities, multi-billion annual R&D investments, and a fast-growing community of tech start-ups. At the same time Smart Nation is encouraging

technology builders and entrepreneurs from around the world to leverage Singapore's smart infrastructure and use the nation as a 'living lab' to test new ideas and solutions with global potential. Steve Leonard, Executive Deputy Chairman of Infocomm Development Authority (IDA) Singapore, will be sharing more about Singapore's Smart Nation journey.

Delivering the Future City in the Face of Global Challenges
Tue 17 November 2015, 14.30-17.00
Reception Room, Wills Memorial Building, University of Bristol
Free, but booking required

During 2015, the University of Bristol Cabot Institute, the Festival of Ideas and the Bristol Green Capital Partnership (BGCP) with partners in government, civil society and industry have discussed and collected citizen opinions on how to achieve a thriving, equitable and sustainable future for Bristol. Issues explored include environmental uncertainty, resilience, youth, devolution, austerity, governance, partnership and economics. This session looks at the findings of this work and debates how Bristol can take charge of its own successful, sustainable future. Participants include: Rich Pancost, Director of the Cabot Institute; Gary Topp, Development Director of the BGCP; Caroline Bird (Cabot); Sarah Toy (resilience manager, Bristol).

**Festival of the Future City Launch Event/
Future Cities for All**
Tue 17 November 2015, 18.30-20.30
**Great Hall, Wills Memorial Building,
University of Bristol**
Free, but booking required

The future is urban. By 2050 70 per cent of the population will live in cities and towns. But how do we make cities liveable places that offer education, security, housing, work, a sense of place and a happy and fulfilling experience for all? How can we make cities more than just places for the wealthy? What makes an ideal city? This debate – which launches the 2015 Festival of the Future City – brings together academics, artists and writers to discuss what city living and working should be. Introduced by Alan Wilson and starting with a lecture by Mark Walport looking at the findings of the Foresight Future of Cities programme, it is followed by a panel – one of the 'The Way We Live Now' national debates marking ten years of the AHRC – with Lauren Elkin (author of the forthcoming *Flâneuse: The (Feminine) Art of Walking in Cities*), Gabriella Gómez-Mont (Mexico City Lab), writer Olivia Laing (author of the forthcoming *The Lonely City: Adventures in the Art of Being Alone*), Richard Sennett (LSE), and Brent Toderian (former Vancouver city planner and now advisor to cities around the world).

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Wednesday 18 November 2015/

New Thinking about Cities (1)
Wed 18 November 2015, 09.00-10.30
Watershed, Bristol
£8 / £7

The festival brings to public attention and debate some of the new thinking about cities taking place around the world. Cristiana Fragola (Rockefeller Foundation) talks about resilience; Eva Gladek (Metabolic, Netherlands) speaks on cities, systems thinking and the transition to a more sustainable state; Richard Sennett (LSE) puts forward the case for a new Charter for Athens; Brent Toderian (Toderian Works, Vancouver) looks at making cities liveable; Charlie Catlett (Argonne National Laboratory and The University of Chicago) talks about cities and the Array of Things; and Mark Walport (Government Chief Scientific Adviser) identifies the key new lessons to come out of the Foresight future of cities work.

City Data Workshop
Wed 18 November 2015, 10.45-12.00
Watershed, Bristol
Free, but booking required

We've now a wealth of data about UK cities. Using historical data, Paul Swinney (Centre for Cities) looks at over 100 years of change in the urban areas of England and Wales, comparing cities in 1911 to their overall size and industrial make-up today. He identifies three principles that should guide policy that attempts to support city growth over the next century. Tony Champion (Newcastle University), author of the Foresight Study on population, looks at population trends in cities to 2050.

The Future of World Cities (1)
Wed 18 November 2015, 11.00-12.00
Watershed, Bristol
£7 / £6

Cities around the world are facing great change. What are the opportunities, problems and challenges – and are there solutions for some of these that can be shared more widely? Tim Moonen (Business of Cities) sets the context; Susan Parnell (African Centre for Cities) looks at Africa; Olamide Udoma (Future Lagos) looks at Lagos; and Gary Younge (US Correspondent for the *Guardian* for 12 years) talks about the American experience.

Festival of the Future City/ Nature-Rich Cities Wed 18 November 2015 All sessions take place in Watershed, Bristol Each session £8 / £7 (special price for all three £20 / £18)

One of the great benefits of the current renewal of cities is the potential to make them nature-rich. This strand, organised in association with Avon Wildlife Trust, will explore how to integrate nature in urban living, design and planning, and debate the challenges of making our urban landscapes wildlife-friendly, both to protect existing wildlife and to attract more.

09.30-11.15
Panel One: The Value of Urban Nature and Natural Capital

Chair: Bevis Watts, Avon Wildlife Trust

Keynote: Chris Baines

Do we really need nature in our cities? What are the risks of a nature-poor city? Author and broadcaster Chris Baines sets the scene. Speakers Melissa Harrison (novelist and writer of the *Times Nature Notebook*), Stephanie Hime (KPMG's natural capital specialist), Tony Juniper (campaigner and author of *What Has Nature Ever Done for Us?*) and Claire Wansbury (Atkins Global UK Ecology Leadership team) debate the risks of a nature-poor city and the value nature brings to urban areas.

11.45-13.00
Panel Two: Promoting and Developing Nature in Cities

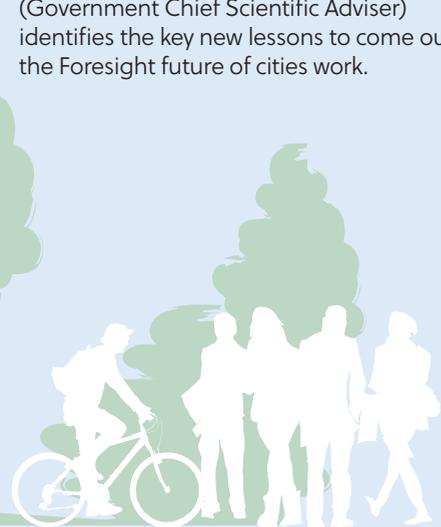
Chair: Jane Memmott, University of Bristol

David Goode (author of *Nature in Towns and Cities*), Mathew Frith (London Wildlife Trust) and Georgia Stokes (Birmingham and Black Country Wildlife Trust) ask whether nature in cities is in safe hands; look at how we promote more involvement in wildlife in cities; and examine the conflicts of interest in promoting nature in cities and how they can be overcome.

14.00-15.00
Panel Three: Architecture, Nature and Wildlife in Cities

Chair: John Alker, UK Green Building Council

It's possible to make buildings and places where wildlife can live alongside humans and there are plenty of good examples available. Rab Bennetts (Bennetts Associates) joins Melissa Sterry (Bionic City) and Mike Roberts (HAB Housing) to debate how architecture can help create a nature-rich city.



Future Resilience in Cities
Wed 18 November 2015, 11.00-12.00
Watershed, Bristol
£7 / £6

Pioneered by the Rockefeller Foundation, 100 Resilient Cities are actively planning now to become more resilient to the physical, social and economic challenges that are a growing part of the twenty-first century. These are not just the shocks – earthquakes, fires, floods – but also the stresses that weaken the fabric of a city on a day-to-day or cyclical basis: high unemployment; an overtaxed or inefficient public transportation system; endemic violence; or chronic food and water shortages. Speakers from Rotterdam (Wynand Dassen), Glasgow (Julie Robertson) and Bristol (Sarah Toy) talk about their resilient city plans. They are joined by Ann Cousins (Arup).

Michael Marmot
The Health Gap: The Challenge of an Unequal World
Wed 18 November 2015, 12.30-13.30
Watershed, Bristol
£7 / £6

There are dramatic differences in health between countries and within countries. People at relative social disadvantage suffer health disadvantages; the higher the social status of individuals the better their health. What makes these health inequalities unjust is that we know what to do to make them smaller. Michael Marmot explores compelling new evidence from around the world that has the potential to radically change the way we think about health, and indeed society.

Bristol Health Partners

Nick Dunn
How the Future of Cities Was Seen From the Past
Wed 18 November 2015, 12.30-13.30
Watershed, Bristol
Free, but booking required

Nick Dunn, ImaginationLancaster, and author of the Foresight report 'A Visual History of the Future', looks at how future cities have been depicted over the last 100 years. He considers what these depictions sought to communicate and why; what types of city visions have had the most influence on UK cities; and the important role they have in shaping our thinking on cities and our future urban strategies.

Jerry Kaplan
What is the Future of Life and Work in an Age of Artificial Intelligence?
Wed 18 November 2015, 12.30-13.30
Watershed, Bristol
£7 / £6

Futurist, innovator and best-selling author Jerry Kaplan unpacks the latest advances in robotics, machine learning, and perception powering systems. He believes these have the potential to usher in a new age of affluence and leisure, but warns the transition may be protracted and brutal unless we address the two great scourges of the modern developed world: volatile labour markets and income inequality. He proposes how to avoid an extended period of social turmoil.



The Future of British Cities
Wed 18 November 2015, 14.00-15.00
Watershed, Bristol
£7 / £6

Some British cities have transformed themselves over the past decade. But how do cities compare? And how do we stop successful cities destroying themselves? Festival of Ideas asked two leading journalists to look at cities and where they are working and not working: John Harris looks at Bristol, Manchester, Plymouth and Bradford; Rowan Moore examines London and considers how cities can develop for all in the future.

City Thinkers of the Past and Now (1)
Stuart Jeffries and Owen Hatherley: The Left and the Future of Cities
Wed 18 November 2015, 14.00-15.00
Watershed, Bristol
£7 / £6

The future of cities and places was a prime subject for debate amongst the Left in the 1920s and 1930s, and there is much to learn from the thoughts and experience of city thinkers and builders of the time. Stuart Jeffries, author of a forthcoming book on the Frankfurt School, talks about Walter Benjamin, and Owen Hatherley, architectural writer and author of *Landscapes of Communism: A History Through Buildings*, talks about the Viennese and Russian experience. (See also the screening of *Man with a Movie Camera* on 23 November, page 26).

Launch of InnovateUK Future Cities Demonstrator Report
Wed 18 November 2015, 14.00-17.00
Watershed, Bristol
Free, but booking required

In 2012 InnovateUK launched its Future Cities Demonstrator project. Cities are engines for innovation and growth. People in cities tend to be more productive, wealthier, better educated, and more likely to start a new business than those in small towns and rural areas. Cities also make better use of resources. But with populations rising, how do we plan, design and manage cities that can cope with things like pressures on resources and increased waste, while meeting carbon and climate goals? The Future Cities Demonstrator project aimed to explore the challenges and opportunities around shaping the urban environment for future generations. Four cities – Bristol, Glasgow, London and Peterborough – were supported to enable businesses to test, in practice, new solutions for connecting and integrating individual city systems. This allowed the cities to explore new approaches to delivering a good local economy and excellent quality of life, whilst reducing the environmental footprint and increasing resilience to environmental change. Another 26 feasibility studies were completed by other cities. Glasgow was awarded the overall winner with Bristol, London and Peterborough confirmed as smaller scale demonstrators. This event launches the follow-up report.

Innovate UK

Social Mobility in Future Cities
Wed 18 November 2015, 15.30-17.00
Watershed, Bristol
£8 / £7

One of the major concerns about cities and societies generally is social mobility. There are fears that inequality is growing, that upward mobility is stagnating (even gone into reverse) and that cities are becoming places for the wealthy. Is this the case and, if so, what impact will this have on our cities in the future? Considerable work on social mobility has been done by the Resolution Foundation. Gavin Kelly, founder of the foundation and now chief executive of the Resolution Trust, joins Marvin Rees, director, amongst others, of a leadership programme encouraging social mobility in Bristol, and Lynsey Hanley, commentator and author of *Estates: An Intimate History*.

Bristol Health Partners

City Thinkers of the Past and Now (2)
Miriam Fitzpatrick, Gillian Darley,
Jonathan Meades and Owen
Hatherley on William H Whyte, Jane
Jacobs and Ian Nairn
Wed 18 November 2015, 15.30-17.00
Watershed, Bristol
£8 / £7

In April 1958 'Downtown is for People' was published in *Fortune Magazine*. Its author, Jane Jacobs (who went on to write the classic *The Death and Life of Great American Cities*) along with the critic Ian Nairn (whose photos were used to create illustrations for the article) were brought together at the invitation of William H Whyte, American urbanist, organisational analyst, people-watcher and author of *The Social Life of Small Urban Spaces*, among others. It was a turning point in all their respective careers. Architect and lecturer Miriam Fitzpatrick examines the life and work of Whyte; author Gillian Darley talks about Jacobs; and Jonathan Meades and Owen Hatherley look at Nairn, his TV work, writings and more. They all debate what these writers mean for cities today.

Bettany Hughes and Edith Hall
Cities and Ideas in the Ancient World
Wed 18 November 2015, 18.00-19.00
Watershed, Bristol
£7 / £6

There's much we can learn about how cities should and should not work from the cities of the ancient world – especially Greece and Rome. Classicist Edith Hall, author of *Introducing the Ancient Greeks*, and Bettany Hughes, broadcaster and author of *The Hemlock Cup: Socrates, Athens and the Search for the Good Life* and a forthcoming history of Istanbul, discuss ancient cities, their ideas and what they can offer us now.

Iain Sinclair and Matthew Beaumont
Cities and Walking
Wed 18 November 2015, 18.00-19.00
Watershed, Bristol
£7 / £6

Iain Sinclair, poet, writer and filmmaker, is one of our best writers on cities and places. He takes a walk every day. He talks about his recent work and what he has learned about cities and places and what this means for the future with Matthew Beaumont, author of *Nightwalking: A Nocturnal History of London*, the first instalment of an attempt to reconstruct a cultural history of the city at night, from the Middle Ages to the present. They are in discussion with Lauren Elkin (author of the forthcoming *Flâneuse: The (Feminine) Art of Walking in Cities*).

Assemble: The Hand-Made and the Improvised
Wed 18 November 2015, 18.00-19.30
Arnolfini, Bristol
£6 / £4

Do hand-made, improvised and small-scale interventions have any real impact on the long-term social and political life of a city? Do these projects really benefit those involved, and if so how? Assemble is a team of 18 young architects and designers who seek to champion a working practice that is interdependent and collaborative. They talk about their work, which includes two primary school commissions in Bristol and a project in Liverpool which has been nominated for the 2015 Turner Prize. Followed by discussion with Stephen Knott (Liverpool Hope University) and Jonathan Mosley (UWE).

This event is part of the 'Art in the City' Lecture series, organised by Arnolfini, Bristol City Council, and the University of the West of England. Supported by Bristol City Council.

What Happened to Utopian Cities?
Wed 18 November 2015, 19.45-21.00
Watershed, Bristol
£8 / £7

In the late 1960s the world was faced with impending disaster: the height of the Cold War, the end of oil, and the decline of great cities throughout the world. Out of this crisis came a new generation that hoped to build a better future. Douglas Murphy (author of the forthcoming *Last Futures: Nature, Technology and the End of Architecture*) discusses utopian cities of the past and future with Darran Anderson (author of *Imaginary Cities*, which demonstrates that each city dreamt up by artists, writers, architects has a real-life equivalent) and futurist Melissa Sterry. Chaired by Jonathan Derbyshire (*Prospect*).

Bristol's Data Dome Launch
Wed 18 November 2015, check
website for times
At-Bristol, Bristol
£9 / £7

Information is beautiful, especially when it's developed for and shown in the UK's only 3D 4K hemispherical projection environment, which is now connected to a dedicated high performance computer at the University of Bristol. Bristol's Data Dome – building real-time city-data visualisation from Bristol's Open's emerging city-wide digital network – is launched at the festival, with a variety of content being shown from earth sciences, to open-data, to sociological mapping about cities now.



Thursday 19 November 2015/

New Thinking about Cities (2)
Thu 19 November 2015, 09.00-10.30
Watershed, Bristol
£8 / £7

In this second session on new thinking about cities, there are contributions from: architect and writer Irena Bauman on resilience in neighbourhoods; writer and place-hacker Bradley Garrett on the need to oppose the privatisation of public space; Caroline Haynes (KPMG) on Magnet Cities; Charles Landry (Comedia) on ambitious cities; Mike Rawlinson (City ID) launches a manifesto for legible cities; and Melissa Sterry (design scientist and futurist) on bionic cities – how nature would design a city.

The Future of the High Street
Thu 19 November 2015, 11.00-12.00
Watershed, Bristol
Free, but booking required

How can new smart services transform the customer experience and revitalise the High Street? In 2015 InnovateUK launched a new competition with each winner receiving £1m to develop their work. Jenny Griffiths (Snap Fashion), Guy Chatburn (Rewarding Visits Ltd) and Graham Tricker (Proxama) – representatives of three of the winning companies – join Sarah Tromans (InnovateUK, Lead Specialist for Urban Living) to present the initiative and the projects. Guy Douglas (Digital High Street 2020) will set the context for the digital high street and the complete consumer journey from 'breakfast to bedtime'.

Innovate UK

Immigration and Future Cities
Thu 19 November 2015, Watershed, Bristol
Each session £7 / £6, special price for both £12 / £10

**British
Future...**

Immigration was a key issue in the election and will continue to be a source of debate and contention. Is this a problem for cities? Cities are traditionally places for immigrants. Migrants help renew a place, bringing new ideas, skills and work. Cities can meet the challenges that changes bring, as they are places where people meet, and where people who welcome or like change tend to live, learn, work and play. But what happens if these challenges cannot be met and the pressures aren't shared? And does it matter for the future of cities if they do find a confidence about diversity and immigration, but there is much more concern and anxiety elsewhere? Since arguments about the gains of migration are often challenged as the perspective of a narrow 'metropolitan elite', how could civic leaders contribute constructively to broader national debates about migration, identity and integration? Can they protect the interests and needs of the future city in controversial and polarised political debates? These two sessions – run in association with British Future – examine the pressures of change for cities and their surrounding areas.

11.00-12.00: The Pressures of Change: How Can Cities Make it Work?

What are the challenges facing cities when it comes to immigration? What kind of numbers of new immigrants are we likely to see in cities in the future? What impact will this have on identity, belonging and citizenship? This panel looks at the challenges cities face and how to make change work. Steve Hanson (author of the Foresight Future of Cities paper on identity and belonging) joins Rachel Sylvester (*Times*), Abdullahi Farah (Bristol Somali Resource Centre) and Ted Cattle (Institute of Community Cohesion). Chair: Sunder Katwala (British Future).

12.30-13.30: Is Cosmopolitan Confidence Part of the Problem?

Cities generally are comfortable with immigration it's said. But is this true? If there is less confidence outside the city, could this pose problems for city-regions? Could making the positive case for diversity in cities build greater confidence elsewhere – or might that backfire by generating a backlash against the cosmopolitan worldview from those who feel less secure about change? Jeremy Cliffe (*Economist*) and Sunder Katwala discuss with John Harris (*Guardian*) and others.

Chris Dorle
Cities Back from the Brink: the Case of Detroit
Thu 19 November 2015, 11.00-12.00
Watershed, Bristol
£7 / £6

In recent years no city symbolises disastrous urban failure as does Detroit: major economic decline, bankruptcy, huge population loss, massive housing over supply and a downtown in decay. Yet the city is recovering. Chris Dorle (Detroit Future City) leads us through the story, focussing on what's happening now and the long-term plans for renewal and the greening of the city.

Arts, Culture and the Playable City

Thu 19 November 2015, Watershed, Bristol

All four sessions are part of the Playable City Day Ticket (£15 / £12) and only Arts and the City can be booked individually



Playable City puts people and play at the heart of the future city, asking how we might make cities more liveable, open and human. Bristol – through the Pervasive Media Studio and Watershed – pioneered the Playable City initiative with an annual award that attracts applications from around the world. There have been three awards so far: Hello Lamp Post by PAN Studio, Tom Armitage and Gyorgyi Galik (2013); Shadowing by Jonathan Chomko and Matthew Rosier (2014); and Urbanimals, created by the Laboratory for Architectural Experiments, LAX, based in Poland (2015). Urbanimals will run throughout the Festival of the Future City.

Playable City is a framework to think differently about the city by creating shared experiences through play. Visible, democratic, surprising, and inclusive, it re-uses the city infrastructure to create connections – person-to-person, person-to-city. By transforming city spaces into places of unexpected interaction, the Playable City helps develop conversations about the changes needed in our cities of the future. Since its launch in Bristol, there are now Playable City initiatives in Recife, Brazil, Tokyo, and a developing project in Lagos. Following on from last year's Making the City Playable Conference, this strand of the festival invites thinkers, makers and planners from across the world to explore the role of play in future cities.

Chair: Clare Reddington, Creative Director, Watershed and Executive Producer of The Playable City Award. Playable City day is produced by Watershed and supported by British Council.

11.00-12.00

Arts and the City

Peter Bazalgette, Col Needham, Charles Landry, Clare Reddington
£7 / £6 or part of Day Ticket

Cities have always been important areas for creativity and the exhibition of arts and cultural activity. In recent years the growth of arts and creative industries has been seen as a priority. What makes cities special places for arts and culture? And where do cities and the arts go next? Peter Bazalgette, Chair of Arts Council England, puts forward his vision for arts and urban areas. Col Needham talks about the importance of Bristol in establishing the Internet Movie Database. Charles Landry (Comedia) and artists from Arcadia – responsible most recently for the giant spider show in Queen Square – respond.

12.30-13.30

Playable City: UK Part of Day Ticket

What happens when you invite people to play in the city? What conversations does it start? Anna Grajper and Sebastian Dobiesz (LAX) present Urbanimals, which unleashes a playful pack of wild beasts across Bristol; Matthew Rosier presents Shadowing, which gave memory to Bristol's street lights; and Claire Doherty, who has judged the award since its inception, reflects on the work of Situations, which makes extraordinary ideas happen in unusual and unexpected places.

14.00-15.00

Playable City: International Part of Day Ticket

Playable City draws inspiration from a global movement of artists and agencies making playful work for the future city, and is collaborating and igniting imaginations all around the world. This panel brings together award-winning creatives Seiichi Saito of Rhizomatiks, Richard Roberts of Jason Bruges Studio and Olamide Udoma of Future Lagos to showcase their ground-breaking global work and discuss the opportunities of a world-wide conversation around Playable City.

15.30-17.00

Playable City Workshop: Unexpected Spaces for Play Part of Day Ticket

From billboards and traffic crossings to rivers and steps, Playable City transforms the urban environment into places of unexpected interaction – and this is your chance to join in. Part workshop, part-street game, global wayfinding studio City ID and the Playable City team will transport you to a hidden corner of the city – to play, think and share your ideas in an entirely unusual way. Bring comfy shoes and warm clothes for a workshop with a difference.

The Future of World Cities (2)

Thu 19 November 2015, 12.30-15.00 (with short interval)
Watershed, Bristol
£10 / £8

This is our second session on the issues facing world cities today and the lessons to be learnt for future planning. The Rt Hon Greg Clark MP talks about the government's vision for cities. Novelist Elif Shafak looks at Istanbul; novelist and writer Rana Dasgupta – author most recently of *Capital: A Portrait of Twenty-first Century Delhi* – looks at Delhi; Mathieu Lefevre, Executive Director of the New Cities Foundation, looks at Middle Eastern cities; Gabriella Gómez-Mont (Mexico City Lab) looks at Mexico; and Justin McGuirk – author of *Radical Cities: Across Latin America in Search of a New Architecture* – looks at Latin American cities.



Designing Future Cities

Thu 19 November 2015, 14.00-15.00

Watershed, Bristol

£7 / £6

What are the design needs of future cities? What are the materials needed for future cities? How do we make cities places for people? Claire Mookerjee, designer, urbanist and Project Lead for Urbanism for Future Cities Catapult, looks at people-centred urbanism. She joins Mark Miodownik, director of the Institute of Making at University College London and author of *Stuff Matters*, who looks at the future material needs of urban areas.

Biomimicry and Future Cities

Thu 19 November 2015, 15.30-17.00

Watershed, Bristol

£8 / £7

The biomimetic city – a city modelled on nature – offers a sustainable future. To what extent can we use biomimicry to help shape our cities' infrastructure? What are the trade-offs and leverage points that can allow us to develop systems – ecological, structural, technological, circulatory and chemical – that are more productive and effective than those already in place? Can we go beyond looking at organisms and start by valuing the interconnectedness? Peter Head (Founder and Chief Executive Officer, The Ecological Sequestration Trust) joins Julian Vincent (Honorary Professor of Biomimetics at University of Rhein-Waal/ University of Oxford) and Sue Thomas (*Technobiophilia: Nature and Cyberspace*). Chaired by Richard James MacCowan (Founder Director, Biomimicry UK).

Devolution and the Future of Cities

Mike Emmerich, George Ferguson, Alexandra Jones, Mark Tewdwr-Jones, Heather Stewart

Thu 19 November 2015, 15.30-17.00

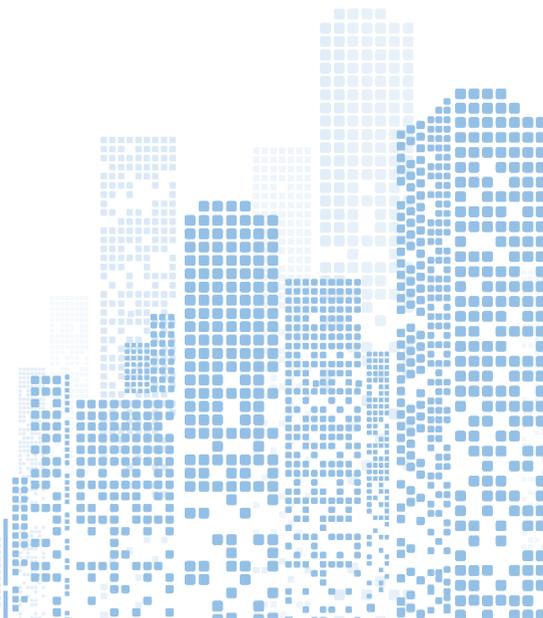
Watershed, Bristol

£8 / £7

There's little doubt that there's a new mood about devolving powers to cities and regions. Where will this go next? Mike Emmerich (Metrodynamics), who worked on the Northern Powerhouse initiative and is now advising Birmingham; George Ferguson, Mayor of Bristol; Alexandra Jones (Director Centre for Cities), who has led the campaign for cities and devolution for many years; and Mark Tewdwr-Jones (Professor of Town Planning, Newcastle University), who led the Newcastle City Futures 2065 report, discuss the issues. Chaired by Heather Stewart, Economics Editor, *Observer*.

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Housing and Future Cities

Danny Dorling, Michael Edwards, Kate Macintosh, Anna Minton, Zoe Williams

Thu 19 November 2015, 15.30-17.00

Watershed, Bristol

£8 / £7

There's no question that housing across the UK is in crisis. What are the solutions? Danny Dorling, author of *All that is Solid – How the Great Housing Disaster Defines Our Times*; Michael Edwards, author of the Foresight Future of Cities paper 'Prospects for Land, Rent and Housing in UK Cities'; architect Kate Macintosh, designer of pioneering social housing schemes; and Anna Minton, journalist and author of *Ground Control*, debate the crisis and what cities especially can do. Chaired by Zoe Williams, *Guardian*.

Are Smart Cities Really That Smart?

Thu 19 November 2015, 17.30-19.00

Arnolfini, Bristol

£8 / £7

Cities, governments and companies are devoting enormous resources to making cities smart: driverless cars; demand management of traffic; digital mapping; Big Data; new forms of energy use; new ways to encourage the saving of high streets – all devoted to making traditional services and networks more efficient through the use of digital and telecommunication technologies, for the benefit of all. The Festival of the Future City has looked at many aspects of smart cities and now debates how valuable and efficient they will prove to be. Speakers include: Charlie Catlett (University of Chicago Computation Institute); Evgeny Morozov (author of *To Save Everything, Click Here: The Folly*

of *Technological Solutionism*); Adam Greenfield (Urbanscale and author of the forthcoming *The City Is Here For You To Use*); and Stephen Hilton (Bristol City Council's Connecting Bristol programme, which aims to position Bristol as a leading European Smart, Green and Digital City).

Poets, Writers and the City

Thu 19 November 2015, 18.00-19.15

Watershed, Bristol

£8 / £7

Festival of Ideas commissioned some of Britain's leading poets and writers to write about the city. In this special session, Liz Berry, Rachael Boast, Edson Burton, Ciaran Carson, Melissa Harrison, WN Herbert, Eimear McBride, Helen Mort, Peter Robinson and Lemn Sissay present their work.

Guy Standing

The Precariat and Future Cities

Thu 19 November 2015, 18.00-19.00

Watershed, Bristol

£7 / £6

Guy Standing's pioneering work on The Precariat identifies an emerging class of people, facing lives of insecurity, moving in and out of jobs that give little meaning to their lives. Standing believes that this poses instabilities in society, leads to the villainisation of migrants and other vulnerable groups, and makes people susceptible to political extremism. He presents his latest findings on this and debates the impact especially on urban areas.



Ballard and Future Cities:

Will Self on JG Ballard and Future Cities

Thu 19 November 2015, 18.00-19.00
Watershed, Bristol
£9 / £6.50 / £4.50

Will Self, who knew JG Ballard well in his final years, takes us on a journey of the work and imagination of the man he called 'the most important British writer of the late 20th century'. Ballard's contribution to literature, to the visual arts, to architectural theory and philosophy is more widely recognised and grows each year and his views of cities and places have much to teach us now in debating their future.

See also: Will Self's walking tour of Harbourside (page 24) and Self Selects: Will Self's cinema choice (page 25)

Jonathan Meades on Places and Cities

Thu 19 November 2015, 20.00-21.30
Arnolfini, Bristol
£8 / £7

Jonathan Meades is one of our greatest writers and filmmakers on places, garden cities, and city architecture, as well as being a journalist of great distinction on these and much else. In this session, and with many clips illustrating his work, Meades talks about cities, towns, architecture, buildings and streets – from the most famous to the neglected and forgotten – and what this means for the future of places.

See also: Jonathan Meades on Ian Nairn (18 November) and his special coach tour of Bristol (19 November)

High Rise

Thu 19 November 2015, 20.00-22.00
Watershed, Bristol
£9 / £6.50 / £4.50 (£1 off with Will Self Ballard talk ticket)

A special preview of *High Rise*, the new film based on JG Ballard's 1975 novel. Produced by Jeremy Thomas and directed by Ben Wheatley, *High Rise* tells the tale of life in a modern luxury tower block running out of control where the wealthy tenants – cut off from the rest of society – are hell-bent on an orgy of destruction. Tensions are increased by a documentary filmmaker living in the block who is determined to highlight injustice. Parties on one floor lead to attacks on others with mayhem and the rules of the jungle resulting. Starring Tom Hiddleston, Jeremy Irons, Sienna Miller, Luke Evans and Elisabeth Moss, the film shows Ballard's classic tale of human society slipping into violent reverse in closed communities for the rich.

Bradley Garrett, Leo Hollis and Anna Minton: Place-Hack Your City

Thu 19 November 2015, 20.00-21.00
Watershed, Bristol
£7 / £6

We think that we've discovered everything, but perhaps it is the everyday places around us – the cities we live in – that need to be rediscovered. Bradley Garrett is interested in uncovering hidden places in soil, sea, cities and space. He provides a manifesto combining philosophy, politics and adventure on our rights to the city and helps us to understand the twenty-first century metropolis. He'll also tell us how to place-hack the city we live in. With Leo Hollis, author of *Cities Are Good For You: The Genius of the Metropolis*, and Anna Minton, journalist and author of *Ground Control*.

Friday 20 November 2015/

Bristol Day

Fri 20 November 2015, 10.00-16.00
At-Bristol, Bristol
Free, by invitation

The final day of the Festival of the Future City 2015 is all about the next 50 years for Bristol. It follows on from an initial conversation that a group of Future-50 Founders began in April 2015. Bristol Day will build on this by opening up the conversation to a wider group of interested people.

The first Bristol Day will ask:

1. What could the city be like in 2065? What will its citizens value and how will we behave?
2. What are the big, bold steps needed to get to a positive future?
3. Should Bristol Day become an annual event to publicly consider how the city is doing and what needs to improve or change?

To be a meaningful city-wide conversation, people from all walks of life will be encouraged to take part.

Use the link on the event page on the Festival of Ideas website to put forward your question, idea, hope or fear for Bristol 2065 and to request an invitation.

The Mayor's Annual Lecture and Panel Debate

Fri 20 November 2015, 18.00-20.00
Great Hall, Wills Memorial Building,
University of Bristol
Free, but booking required

In this third annual Mayor's lecture, and the culmination of the first Festival of the Future City, George Ferguson will reflect on Bristol in 2015, and the city's progress during European Green Capital, and present a long-term vision for the city. Following the lecture, he will debate the future of the city with Jaya Chakrabarti (local business leader and chair of Bristol's elected mayor campaign), Phil Gibby (Director, Arts Council England South West), Neha Mehta and Thanushan Jeyarajah (Bristol's Youth Mayors), and others. Introduced by Professor Hugh Brady, Vice-Chancellor, University of Bristol. Prior to the lecture, Ian McMillan will read a specially commissioned poem.



Walking the Future City/ Walks and coach tours around Bristol/

All tours (apart from the Southville one) start at Watershed

What can we learn about the future of Bristol from walking around the city? A series of walks looks at how the city has changed over time to what it might look like in the future. Architectural and garden historian Tim Mowl (*Bristol Explored – Twelve Architectural Walks*) explores issues of planning, urban design, architecture, good and bad, past, present and future in three walks (with discussion afterwards over tea and cake). Will Self looks at Habourside. There's a special coach tour with Jonathan Meades on the places that influenced him. We look at the practical ways that cities can be made more friendly for older people. Mike Rawlinson shows how places change over time and Owen Hatherley looks critically at Bristol's architecture, planning and spaces in a time of austerity.

Tim Mowl
Redcliffe
Mon 16 November 2015, 14.00-15.30
£10 / £9

This walk threads around Redcliffe, home of Bristol poet Thomas Chatterton, and presided over by the largest and most beautiful parish church in the country. Crass blocks of 1950s social housing dominate the southern fringes, while the inner circuit road cuts the suburb in half. As a consequence, St Mary Redcliffe and Chatterton's House are stranded in a sea of arterial roads. Could the traffic be diverted along the New Cut on a Parisian-style embankment, leaving the church tranquil in a new cathedral-type close? Should Chatterton's House and the remains of the School House be rescued as a fitting new memorial to the city's most unfortunate son?

Mike Rawlinson
How the Uses of Cities Changes Over Time
Tue 17 November 2015, 11.00-12.30
£8 / £7

Cities change all the time – what was once a harbour becomes a road; a dual carriageway is taken out and a new city square created; old buildings are taken down and reused; new cycleways replace traffic lanes. Bristol has seen more change than many other cities, with more to come. What impact does this have on long-term city planning and on people? Mike Rawlinson, founder of the Bristol Legible City project and director of many city mapping and wayfinding initiatives around the world, takes a tour of Bristol that looks at how places and uses change over time.

Walking the Talk – Making a Reality of Age-Friendly Neighbourhoods
Tue 17 November 2015, 11.30-13.00
Meet at Southville Centre, Beauley Road, Southville, Bristol BS3 1QG (or if attending the session on age-friendly cities on 17 November and wanting to join the walk, transport will be provided)
Free, but booking required

Bristol has committed itself to become an 'age-friendly' city. But what does that really mean on the ground and what would it look like in a local area? The event will involve a 40-minute study walk in a part of Southville, where, supported by a number of older volunteer community researchers, you will have the chance to look at aspects of the built environment which are supportive of or detrimental to the quality of life of older people. The walk will culminate with a presentation by Southville Community Development Association on the successes and challenges they have encountered in trying to make the area more age friendly.

Owen Hatherley
City Change in a Time of Austerity
Wed 18 November 2015, 10.30-12.00
£8 / £7

Through his books *A Guide to the New Ruins of Great Britain* and *A New Kind of Bleak: Journeys Through Urban Britain*, his columns and blogs, Owen Hatherley has been a strong critic of the architecture and cities being developed in a time of austerity and the big society. One of his chapters covered Bristol. He takes a tour of the city from the harbour to Lewins Mead and Cabot Circus, talking about Bristol and the future of cities.

Tim Mowl
Temple Quarter
Wed 18 November 2015, 14.00-15.30
£10 / £9

This riverside walk takes in the old Temple precinct, with the leaning tower of Holy Cross at its heart. While the area around Temple Quay has been regenerated with blocks of dubious architectural quality, the warehouses on the dockside at Redcliff Quay have been sensitively converted to residential use. But what should be done about the shocking brutalism of the post-war light industrial planning zone which surrounds the Blitz-derelict church and Redcliff Street? As properties become vacant, is it time to re-invent the suburb on a more human scale?

Jonathan Meades on Bristol
(coach tour)
Thu 19 November 2015, 11.00-13.00
£12 / £10

Jonathan Meades has known Bristol all his life. After Southampton, 'Bristol was the second city of my childhood and teens. Southampton was morbidly affecting, dark, rain-slicked, tough, scary. Bristol was – astonishingly – always sunny.' In this special coach tour, Meades takes us on a journey to – and talks about – the places in Bristol that mean something to him: Totterdown, Arno's Vale, High Kingsdown, Christmas Steps, Leigh Woods, The Rummer, The Coronation Tap, Redland and more.



Will Self
Walking Tour of Harbourside
Thu 19 November 2015, 14.00-15.00
£10 / £9

Will Self has spent a lot of time walking – and walking around cities especially. He's well known for his views on architecture, culture, food, cities, amongst many other subjects. Join him for an hour's walk around Harbourside where he'll talk about the place, the culture and the architecture.

Tim Mowl
Castle Park
Fri 20 November 2015, 14.00-15.30
£10 / £9

It is the success of the restored Queen Square – now a bustling sylvan space, compared with its abject counterpart around the vanished Castle Street, lowered over by the remains of bombed-out churches – that will encourage debate on landscape conservation in the city in this walk. Is it enough just to leave the bombed-out precinct for the brief enjoyment of lunchtime office workers? Might the sculpture park that was devised for the green spaces in the 1980s be revived with new artworks? Could new residential terraces be built alongside the Floating Harbour? Might the historic heart of the city be revitalised by exhibitions on the Castle and St Edith's Well in the ruins of St Peter's?

Self Selects – Will Self's Future Cities Cinema/

To go alongside his visit to Bristol, his lecture on JG Ballard and Future Cities, and the special preview of *High Rise*, Will Self has chosen films he admires about Ballard and cities in general. All screenings take place in Watershed. All prices: £9 / £6.50 / £4.50

Metropolis
Tue 3 November 2015, 18.00-20.35
Watershed, Bristol

Fritz Lang's classic expressionist drama is set in 2026. Wealthy industrialists rule the vast city of Metropolis from high-rise tower complexes, while a lower class of underground-dwelling workers toils constantly to operate the machines that provide the city's power. A futuristic urban dystopia, the film follows the attempts of Freder, the wealthy son of Metropolis' ruler, and Maria, a poor worker, to overcome the vast gulf separating the classes of their city. Newly restored, this film classic has much to say about current urban life and work.

Crash
Tue 10 November 2015, 18.00-19.40
Watershed, Bristol

David Cronenberg's *Crash* (1996), based on JG Ballard's 1973 novel of the same name, tells the story of a group of people who take sexual pleasure from car crashes. The film generated considerable controversy on its release. Roger Ebert said 'The result is challenging, courageous and original'. Mark Kermode described *Crash* as 'pretty much perfect'. A rare cinema screening for this unsettling classic.

Thanks to eOne, David Cronenberg and Jeremy Thomas for making this screening possible.

Naked
Tue 17 November 2015, 18.00-20.30
Watershed, Bristol

A winner of two awards at the Cannes Film Festival – best director for Mike Leigh and best actor for David Thewlis – *Naked* tells the parallel tales of two sexually obsessed men, one hurting and annoying women physically and mentally, one wandering around the night-time city talking to strangers and experiencing life. Alternately bleak and funny, this story of alienation and the city is a scathing examination of post-Thatcherite Britain.

Mulholland Drive
Tue 24 November 2015, 18.00-20.30
Watershed, Bristol

David Lynch's American neo-noir mystery film tells the story of an aspiring actress (Emily Watts), newly arrived in Los Angeles. The story includes several seemingly unrelated vignettes that eventually connect in unpredictable ways, as well as some surreal and darkly comic scenes and images that relate to the cryptic narrative. Widely regarded as one of Lynch's finest works, it won him the best director award at the Cannes Film Festival. It shows a view of LA never seen before.

Linked events/

The Liveable City
A Danish-British Dialogue
Wed 18–Thu 19 November 2015
MShed
Free, but booking required

The Liveable City is a celebration of architecture and urban planning that looks at ways that architects, planners and communities can play their part in the development of a dynamic, liveable and sustainable city. Join Danish and British experts in seminars and debates to discuss best practices and exchange experiences. Subjects will include the housing challenge, water and flooding, heat networks, transport and cycling, sustainable architecture and more. The exhibition Architecture With People will also be on display.

For details see: www.denmark.org.uk and the Festival of Ideas website.



EMBASSY OF DENMARK



Man with a Movie Camera
Screening with Live Accompaniment
Mon 23 November 2015, 18.00–19.10
Watershed, Bristol
£9 / £6.50 / £4.50

A man travels around a city with a camera slung over his shoulder, documenting urban life with dazzling invention. Dziga Vertov's *Man with a Movie Camera* is a film about film production – from the cameraman and the editor to the projectionist and the orchestra involved with the exhibition of the film we see being made. It's a documentary of a day in the life of the Soviet Union. It's also, critically, about cities and urban life in a period of swift change as seen in 1929. Regarded as one of the greatest films of all time and perhaps the best documentary film ever made – the *Guardian* recently called it 'both a milestone and a time capsule' – it's presented here in a new print with live accompaniment by the Harmonie Band and a new score composed by Paul Robinson.

Richard Long

TIME AND SPACE

Friday 31 July–Sunday 15 November
Open Tuesday–Sunday, 11am–6pm, (Wednesday until 8pm),
admission free

TIME AND SPACE is a major solo exhibition that includes sculpture, drawing, photography and text works that date from 1967 to the present. To accompany the exhibition at Arnolfini the artist has created a sculpture, *Boyhood Line* on The Downs.

arnolfini.org.uk / @ArnolfiniArts / #RichardLong

Supported by



(Image) Richard Long, *River Avon Mud Crescent*, Sperone Westwater Gallery, New York. Image courtesy the artist.

ARNOLFINI

THEASTER GATES

SANCTUM

29.10.15 – 21.11.15

THIS AUTUMN, AMERICAN ARTIST THEASTER GATES STAGES HIS FIRST UK PUBLIC PROJECT IN BRISTOL AS PART OF BRISTOL 2015 EUROPEAN GREEN CAPITAL

Working with the city's materials and the city's performers, Gates will build a remarkable temporary structure which will rise from the ruin of Temple Church, transforming it into an intimate gathering place in which to hear the city like never before. Sustained by sound and spoken word continuously for 552 hours, *Sanctum* will be open over 24 days 24 hours a day involving hundreds of performers from across Bristol. Produced by Situations, *Sanctum* tests out what future spaces of contemplation and gathering we might require to sustain our cities of the future.

www.sanctumbristol.com



SITUATIONS



MAYK



Venues and how to book/

Our events take place in venues across Bristol city centre. You can book tickets online or by contacting the relevant venues. Please go to individual event pages on www.ideasfestival.co.uk for links to venues and full booking conditions, including details of booking fees where appropriate. Events start punctually and, out of consideration to other audience members and speakers, our policy is not to admit or issue refunds to latecomers. Refunds are only available if an event is cancelled. Please allow enough time to collect your ticket/s from the relevant box office (if these haven't already been posted to you), and make sure to arrive before the advertised start time to take your seat/s.

Arnolfini

16 Narrow Quay, Bristol BS1 4QA
Tel: 0117 917 2300 (8.30-17.30 daily),
email: boxoffice@arnolfini.org.uk
www.arnolfini.org.uk

Only for Assemble on Wed 18 November.

For events on 17 and 19 November (Steve Leonard, Smart Cities and Jonathan Meades) – please check online listing for booking details.

Watershed

1 Canons Road, Harbourside, Bristol BS1 5TX
Tel: 0117 927 5100 (10:00-20:00 daily)
www.watershed.co.uk

All walks that start at Watershed can be booked through their box office. For all others, check the online listing for booking information. Please note that places on the walks are limited and must be booked and paid for in advance.

Great Hall, Wills Memorial Building

Queen's Road, Clifton, Bristol BS8 1RJ
These events are free but booking is required. Please go to the online listing to book and for access information.

You can purchase tickets using Bristol's local currency the Bristol Pound – a great innovation designed to boost independent business in the city – at Arnolfini and Watershed (in person and via text2pay).



Free events

Booking is required for all free events. Book via the relevant event page at www.ideasfestival.co.uk

The event organised by Knowle West Media Centre can also be booked by phone: 0117 903 0444.

Festival updates

Full programme details and booking information can be found on our website at www.ideasfestival.co.uk

You can also sign up to our E-newsletters and Twitter feed for advance notification of events and speakers. This programme is subject to change and new events and speakers may be added. Please visit the website for updates and further information about those chairing and interviewing speakers.

The Bristol Festival of Ideas aims to stimulate the minds and passions of the people of Bristol with an inspiring programme of discussion and debate. The year-round festival, established in 2005, covers a wide range of topics, and welcomes, among others, scientists, artists, politicians, journalists, historians, musicians, novelists and commentators on all subjects.

Acknowledgements/

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Bristol Festival of Ideas /

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2015 EUROPEAN
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