
Programme

'Future is Now' is the inaugural Forum of the Norman Foster Foundation. The Forum brings together leading minds from the fields of architecture, urbanism, infrastructure, technology, and the arts to discuss the ways in which designers and policy makers are addressing a future of social, economic, and design challenges that are deeply affecting how we interact with each other and our built environment.

1 June 2017

Teatro Real, Madrid, Spain

08:00 – 08:30

Registration

08:30 – 08:45

Welcome

Norman Foster, President, Norman Foster Foundation
Manuela Carmena, Mayor of Madrid

Session Introductions
Maria Nicanor, Director, Norman Foster Foundation

08:45 – 10:15

Cities

Moderator

Francine Lacqua, Editor-at-Large, Bloomberg

Keynote

Norman Foster, President, Norman Foster Foundation

Interview

Michael Bloomberg, Founder
Bloomberg LP & Bloomberg Philanthropies;
108th Mayor, New York City
Interview by **Francine Lacqua**

Panel

Michael Bloomberg, Founder
Bloomberg LP & Bloomberg Philanthropies;
108th Mayor, New York City
Richard Burdett, Professor of Urban Studies at
London School of Economics
Norman Foster, President, Norman Foster Foundation
Maya Lin, Architect & Artist. Founder, Maya Lin Studio

10:15 – 10:35

Coffee Break

10:35 – 12:00

Technology and Design

Moderator

Gillian Tett, US Managing Editor, *Financial Times*

Keynote

Matthias Kohler, Professor of Architecture and Digital Fabrication, Swiss Federal Institute of Technology (ETH)

Interview

Jonathan Ive, Chief Design Officer, Apple

Interview by **Gillian Tett**

Panel

Niall Ferguson, Senior Fellow, Hoover Institution

Nicholas Negroponte, Co-founder, MIT Media Lab

Marc Newson, Designer, Professor in Design at Sydney College of the Arts

Neri Oxman, Architect and Designer. Founder and Director, The Mediated Matter Group, MIT Media Lab

Patricia Urquiola, Designer, Architect, Founder Studio Urquiola

12:00 – 13:15

Brunch

13:15 – 14:30

Infrastructure

Moderator

Christiane Amanpour, Chief International Correspondent, CNN, host *Amanpour*

Keynote

Alejandro Aravena, Executive Director, ELEMENTAL

Interview

Henk Ovink, Special Envoy for International Water Affairs for the Kingdom of the Netherlands

Interview by **Christiane Amanpour**

Panel

Luis Fernández-Galiano, Professor at ETSAM, Director of *AV/Arquitectura Viva*

Jonathan Ledgard, Director, Rossums Group, formerly Director, Afrotech, École Polytechnique Fédérale de Lausanne (EPFL), founder, Redline

Mariana Mazzucato, Director of UCL Institute for Innovation and Public Purpose

Henk Ovink, Special Envoy for International Water Affairs for the Kingdom of the Netherlands

Janette Sadik-Khan, Principal, Transportation, Bloomberg Associates

14:30 – 14:45

A Conversation

Olafur Eliasson, Artist, Studio Olafur Eliasson

Cornelia Parker, Artist

14:45 – 15:00

Event closure

Norman Foster, President, Norman Foster Foundation

Biographies

Christiane Amanpour
Chief International
Correspondent, CNN,
host *Amanpour*,
London, UK



Christiane Amanpour is CNN's chief international correspondent and anchor of the network's award-winning flagship global affairs programme *Amanpour*. Her reporting of some of the world's most historic moments has earned her every major television journalism award including eleven News and Documentary Emmy Awards and four Peabody Awards, among others. In addition to her work as an anchor and reporter, Amanpour is an active rights campaigner. A board member of the Committee to Protect Journalists, the Centre for Public Integrity and the International Women's Media Foundation. Her fearless and uncompromising approach has made her popular with audiences, and a force to be reckoned with by global influencers. Amanpour graduated summa cum laude from the University of Rhode Island with a Bachelor of Arts in Journalism.

Alejandro Aravena
Executive Director,
ELEMENTAL, Santiago
de Chile, Chile



Alejandro Aravena (born Santiago, Chile 1967), graduated as an architect from Catholic University of Chile in 1992. He continued his studies of Theory and Art History in IUAV in Venice. In 1994 he established his own practice, Alejandro Aravena Architects. From 2000 until 2005, he taught at Harvard University, where he founded the Do Tank ELEMENTAL with Andrés Iacobelli. In 2010 he was granted membership as an International Fellow of the Royal Institute of British Architects. He also curated the 15th Venice Biennale, and in 2016 he received the Pritzker Prize. Since 2001 he has remained Executive Director of ELEMENTAL.

Michael Bloomberg
Founder, Bloomberg
LP & Bloomberg
Philanthropies; 108th
Mayor, New York City,
NY, USA



Michael R. Bloomberg founded a start-up in 1981 focused on financial data, and after turning it into a global media company, he was elected mayor of New York City for three terms (2002–2013). Since leaving City Hall, he has resumed leadership of Bloomberg. A lifelong philanthropist, his foundation, Bloomberg Philanthropies, focuses on five main areas: public health, education, the environment, the arts, and government innovation. He also leads a number of coalitions on urgent issues, including climate change, illegal guns, immigration reform, and infrastructure investment. Bloomberg graduated from Johns Hopkins University and Harvard Business School.

Richard Burdett
Trustee, Norman Foster
Foundation, Professor
of Urban Studies, London
School of Economics,
London, UK



Ricky Burdett is Professor of Urban Studies and Director of LSE Cities and the Urban Age Programme. He curated the *Conflicts of an Urban Age* exhibition at the 2016 International Architecture Biennale in Venice. In 2014, he was a Visiting Professor in Urban Planning and Design at the Graduate School of Design, Harvard University and Global Distinguished Professor at New York University from 2010 to 2014. He is involved in regeneration projects across Europe and the USA, was Chief Adviser on Architecture and Urbanism for the London 2012 Olympics and architectural adviser to the Mayor of London from 2001 to 2006. He was Director of the Venice Architecture Biennale in 2006 and curator of the *Global Cities* exhibition at Tate Modern in 2007. He was also a member of the Urban Task Force which produced a major report for the UK government on the future of English cities.

Manuela Carmena
Mayor of Madrid, Spain



Manuela Carmena is a lawyer and Mayor of Madrid since June 2015. As an advocate for workers and detainees during the Franco dictatorship, she began her legal career in 1980 as a judge. She has also served as Judge of Penitentiary Vigilance, Senior Magistrate-Judge of Madrid, member of the General Council of the Judiciary and Magistrate of the High Court of Madrid. Carmena has also worked as an advisor in the acknowledgement and redressing of victims of human rights violations in the Basque Country and is Chair to the UN Working Group against Arbitrary Detentions. Innovative and a social entrepreneur by nature, she has never left her teaching and pedagogical activities in the rethinking and humanisation of justice.

Olafur Eliasson
Artist, Studio Olafur
Eliasson, Berlin, Germany



Artist Olafur Eliasson (IS/DK), born 1967, works in a wide range of media, including installation, painting, sculpture, photography, and film. Since 1997, his solo shows have appeared in major museums around the world. Established in 1995, his studio today numbers about ninety craftsmen, architects, archivists, administrators, and cooks. In 2014, Eliasson and architect Sebastian Behmann founded Studio Other Spaces, an office for art and architecture focusing on interdisciplinary and experimental building projects and works in public space. Together with engineer Frederik Ottesen, Eliasson runs Little Sun, a global project that produces solar lamps and chargers for off-grid communities.

Niall Ferguson
Senior Fellow,
Hoover Institution,
Stanford, CA, USA



In addition to his appointment at Stanford, Niall Ferguson is a senior fellow of the Center for European Studies, Harvard. He is also the Diller-von Furstenberg Family Foundation Distinguished Scholar at the Nitze School of Advanced International Studies in Washington, DC. He has written fourteen books, including *The Ascent of Money*, *The Great Degeneration*, and *Kissinger, 1923–1968: The Idealist*. His many prizes and awards include the Benjamin Franklin Prize for Public Service (2010), the Hayek Prize for Lifetime Achievement (2012), the Ludwig Erhard Prize for Economic Journalism (2013), and the Philip Merrill Award (2016). He writes regularly for the London *Sunday Times* and the *Boston Globe*.

Luis Fernández-Galiano,
Vice President,
Norman Foster Foundation
Professor at ETSAM,
Director of
AV/Arquitectura Viva



Luis Fernández-Galiano is an architect, chair professor at Madrid's School of Architecture, ETSAM, and editor of the journals *AV/Arquitectura Viva*. Member of the Royal Academy of Fine Arts, he is an International Fellow of the RIBA, and has been Cullinan Professor at Rice, Franke Fellow at Yale, a visiting scholar at the Getty Center, and a visiting critic at Princeton, Harvard, and the Berlage Institute. President of the jury at the Venice Biennale and of the Aga Khan Award, he has also been a juror in the competitions for the National Library of Mexico, the National Art Museum of China, the National Library of Israel, and the Noble Qur'an Oasis in Madinah. Among his books are *Fire and Memory*, *Spain Builds*, and *Atlas: Architectures of the 21st Century*.

Norman Foster
President, Norman Foster
Foundation, London, UK



After graduating from Manchester University School of Architecture and City Planning in 1961 Norman Foster won a Henry Fellowship to Yale University, where he was a fellow of Jonathan Edwards College and gained a Master's Degree in Architecture. In 1967 he established Foster Associates, which has since evolved as Foster + Partners, where he continues as Executive Chairman. He became the 21st Pritzker Architecture Prize Laureate in 1999 and was awarded the Praemium Imperiale Award for Architecture in Tokyo in 2002. In 2009, he became the 29th laureate of the prestigious Prince of Asturias award for the Arts and was awarded the Knight Commander's Cross of the Order of Merit of the Federal Republic of Germany. In 1997 he was appointed by the Queen of the United Kingdom to the Order of Merit and in 1999 was honoured with a peerage, taking the title Lord Foster of Thames Bank.

Jonathan Ive
Chief Design Officer, Apple,
San Francisco, CA, USA



Jonathan Ive is responsible for design at Apple, including the look and feel of Apple's hardware, user interface, packaging, major architectural projects such as Apple Campus 2 and Apple's retail stores. He earned a Bachelor of Arts degree at Newcastle Polytechnic, holds honorary doctorates from, among others, Cambridge and Oxford Universities and the Royal College of Art. Sir Jonathan also holds over 5,000 design patents and has led Apple's design team since 1996.

Matthias Kohler
Professor of Architecture
and Digital Fabrication,
Swiss Federal Institute
of Technology (ETH),
Zurich, Switzerland



Matthias Kohler is an architect with multi-disciplinary interests ranging from computational design and robotic fabrication to material innovation. In 2000, he founded the architecture practice Gramazio & Kohler in conjunction with his partner Fabio Gramazio, where numerous award-winning designs have been realised. Current projects include the design of the Empa NEST research platform, a future living and working laboratory for sustainable building construction. Opening also the world's first architectural robotic laboratory at ETH Zurich, Gramazio & Kohler's research has been formative in the field of digital architecture, setting precedence and de facto creating a new research field merging advanced architectural design and additive fabrication processes through the customised use of industrial robots. Since 2014, Matthias Kohler is also director of the new National Centre of Competence in Research (NCCR) Digital Fabrication.

Francine Lacqua
Editor-at-Large,
Bloomberg



Francine Lacqua is an award-winning anchor and editor-at-large at Bloomberg. She anchors two of the channel's flagship programmes, *Bloomberg Surveillance* and *The Pulse*, and also presents *Leaders with Lacqua*, a series of in-depth interviews with the CEOs of FTSE 100 companies. Since joining Bloomberg in 2000, Lacqua regularly interviews global leaders including IMF Managing Director Christine Lagarde, billionaire financier George Soros, ECB President Mario Draghi, World Bank President Jim Yong Kim, and former UK Prime Minister David Cameron. Fluent in French and Italian, Lacqua holds an undergraduate degree in Law from the Sorbonne and an LLB in English law from King's College London.

Jonathan Ledgard
Director, Rossums Group,
formerly Director, Afrotech,
École Polytechnique
Fédérale de Lausanne
(EPFL), founder, Redline,
Lausanne, Switzerland



Jonathan Ledgard is a novelist and a leading thinker on opportunity, advanced technology and nature in emerging economies. He was previously a longtime foreign correspondent for the *Economist*, which he joined after university. He wrote leader stories from over 50 countries and several wars, including a decade as Africa correspondent. At the EPFL he collaborated with global leaders in robotics and artificial intelligence and led the Redline group which seeks to pioneer the world's first Droneports in Africa with backing from Lord Foster. A Hollywood adaption by Wim Wenders of his novel *Submergence* will be released in 2017.

Maya Lin
Architect and Artist.
Founder, Maya Lin Studio,
New York, NY, USA



Maya Lin has proposed ways of thinking and imagining that have challenged how we look at and understand the world around us. She is a member of the American Academy of Arts and Letters and the American Academy of Arts and Sciences. *Maya Lin: Topologies*, a monograph spanning the past 30 years of her career, was published in 2015. In 2009 she was awarded the National Medal of Arts, the nation's highest honour for artistic excellence, and in 2016 she was awarded the Presidential Medal of Freedom by President Obama, the highest civilian honour. She joined Pace Gallery in 2008.

Mariana Mazzucato
Director of UCL Institute
for Innovation and Public
Purpose, London, UK



Mariana Mazzucato is Professor in the Economics of Innovation & Public Value, University College London (UCL) and where she is establishing a new Institute for Innovation and Public Purpose. She is author of the highly-acclaimed book *The Entrepreneurial State: debunking public vs. private sector myths* (Anthem 2013; Public Affairs, 2015) and winner of the 2014 New Statesman SPERI Prize in Political Economy and the 2015 Hans-Matthöfer-Preis. Mazzucato has advised policymakers around the world on how to deliver 'smart', inclusive and sustainable growth. In 2013 she was named as one of the '3 most important thinkers about innovation' in the New Republic.

Nicholas Negroponte
Co-founder, MIT Media Lab,
Cambridge, MA, USA



Nicholas Negroponte is the co-founder (with Jerome B. Wiesner) of the MIT Media Lab (1985), which he directed for its first 20 years. He gave the first TED talk in 1984, as well as 13 since. In 2005 he founded the non-profit One Laptop per Child, which deployed US\$1 billion of laptops for primary education in the developing world. In the private sector, Negroponte served on the board of directors of Motorola and was general partner in a venture capital firm specialising in digital technologies. He has provided start-up funds for more than 40 companies, including *Zagats* and *Wired* magazine.

Marc Newson
Designer, Professor in
Design at Sydney College
of Arts, London, UK



Marc Newson, CBE, has been described as one of the most influential designers of his generation. He has worked across a wide range of disciplines, creating everything from furniture and household objects to bicycles and cars, private and commercial aircraft, yachts and architectural commissions. He runs his own company and holds senior management positions at client companies, including Brand Ambassador for Qantas Airways and Designer for Special Projects at Apple. His work appears in many museum collections, including MoMA in New York, London's Design Museum and the V&A, the Centre Georges Pompidou, Paris, and the Vitra Design Museum, Germany.

Maria Nicanor
Director, Norman Foster
Foundation, Madrid, Spain



Maria Nicanor is an architectural historian and a curator of architecture, design, and urbanism. Most recently, she was a Curator at the Victoria & Albert's Architecture, Design and Digital Department. Between 2006 and 2014 she was Associate Curator of Architecture and Urbanism at the Guggenheim Museum in New York. Among others, she curated the exhibition *Participatory City* (2013) and was the Curator for the BMW Guggenheim Lab, a travelling laboratory for experimental urban research. She holds a BA in Art History from the Autónoma University, Madrid, and Sorbonne University, Paris, with a focus on architectural history and theory; and an MA in Museum and Curatorial Studies from New York University.

Henk Ovink
Special Envoy for
International Water Affairs
for the Kingdom of the
Netherlands, Rotterdam,
The Netherlands



Henk Ovink was appointed by the Dutch Cabinet as the first Special Envoy for International Water Affairs (2015). As the Ambassador for Water, he is responsible for advocating water awareness around the world. Henk is Principal for Rebuild by Design, the resilience innovation competition he developed and led for President Obama's Hurricane Sandy Rebuilding Task Force. He has been Director General for Planning and Water Affairs and Director for National Spatial Planning in The Netherlands. Ovink teaches at the London School of Economics and at Harvard GSD, and is a member of the International Advisory Board for the City of Rotterdam. He was Curator for the 5th International Architecture Biennale Rotterdam 2012 *Making City*.

Neri Oxman
Architect and Designer.
Founder and Director,
The Mediated Matter
Group, MIT Media Lab,
Cambridge, MA, USA



An associate professor based at MIT, Oxman pioneered the field of Material Ecology, which considers computation, fabrication, the environment, and the material inseparable dimensions of design. Oxman's team operates at the intersection of computational design, digital fabrication, materials science, and synthetic biology with applications across disciplines and scales. Her work is included in permanent collections at MoMA, SFMOMA, Centre Georges Pompidou, and the Smithsonian. Oxman's innovations have received awards such as the Vilcek Prize in Design and recognition at the World Economic Forum and the White House.

Cornelia Parker
Artist, London, UK



Cornelia Parker (born 1956, UK) is internationally renowned for her sculptures and installations. Her solo exhibitions include *The Roof Garden Commission: Transitional Object (PsychoBarn)*, Metropolitan Museum of Art New York, 2016, Whitworth Gallery Manchester, 2015, The Whitechapel Gallery, The Modern Fort Worth, and the Serpentine Gallery. International exhibitions include the 2014 Gwangju Biennale, 2013 Venice Biennale, and 2008 Sydney Biennale. Nominated for the Turner Prize in 1997, she is a Royal Academician and was appointed an Officer of the Order of the British Empire (OBE) in 2010. Parker's work is included in many private and public collections internationally, including the The Met, Tate Gallery, Brooklyn Museum of Art, de Young Museum, MoMa NY, Centre Pompidou, Victoria and Albert Museum, and Yale Center for British Art. She lives in London.

Janette Sadik-Khan
Principal, Transportation,
Bloomberg Associates,
New York, USA



Janette Sadik-Khan is one of the world's foremost authorities on transportation and urban transformation. She served as New York City's transportation commissioner from 2007 to 2013 under Mayor Michael Bloomberg, overseeing historic changes to the city's streets – closing Broadway to cars in Times Square, building nearly 400 miles of bike lanes, and creating more than 60 plazas citywide. A founding principal with Bloomberg Associates, she works with mayors around the world to reimagine and redesign their cities. She chairs the National Association of Transportation Officials, implementing new, people-focused street design standards, which have been adopted in 40 cities across the continent. She is the author of *Streetfight: Handbook for an Urban Revolution*.

Gillian Tett
US Managing Editor,
Financial Times,
New York, USA



Gillian Tett serves as US managing editor, leading the *FT*'s editorial operations in the region across all platforms. She writes weekly columns for the *Financial Times*, covering a range of economic, financial, political and social issues throughout the globe. Tett's past roles at the *FT* have included US managing editor (2010–2012), assistant editor, capital markets editor, deputy editor of the Lex column, Tokyo bureau chief, and a reporter in Russia and Brussels. In 2014, she was named Columnist of the Year in the British Press Awards and was the first recipient of the Royal Anthropological Institute Marsh Award. Tett's latest book *The Silo Effect*, published by Simon & Schuster in September 2015, looks at the global economy and financial system through the lens of cultural anthropology.

Patricia Urquiola
Designer, Architect,
Founder of Studio Urquiola,
Milan, Italy



Patricia Urquiola studied architecture and design at Madrid Polytechnic and Milan Polytechnic, graduating with Achille Castiglioni. She worked with Vico Magistretti and later was head of design at Lissoni Associati. She has received the Gold Medal of the Arts and the Order of Isabel the Catholic by His Majesty the King of Spain Juan Carlos I. Her work is displayed in various museums and collections, such as MoMA in New York, Musée des Arts Decoratifs in Paris, the Museum of Design in Munich, the Vitra Design Museum in Basel, The Design Museum in London, the Victoria & Albert Museum in London, the Stedelijk in Amsterdam and the Triennale Museum in Milan. She is the Art Director for Cassina.

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EL PAÍS

Norman Foster Foundation
Monte Esquinza 48
28010 Madrid Spain
T +34 91 219 15 47
www.normanfosterfoundation.org

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