

URBAN FUTURE

global
conference

NOVEMBER 18–19, 2014
GRAZ, AUSTRIA

OiER
Organization for International
Economic Relations
est. 1947



HOLDING
G R A Z

The smart city conference for sustainable cities



**Smart
Mobility**



**Smart
Energy**



**Smart
Communications**



**Smart Living &
City Planning**



The URBAN FUTURE Global Conference is Central Europe's largest event for sustainable cities.

The conference

In cooperation with the United Nations and more than 40 international organizations the event will be the premier meeting point for city leaders, smart city experts, governments representatives, infrastructure managers and top industry managers.

Unlike any other event the 2-day conference will provide for extensive learning experiences, high-level networking and an exchange of ideas how cities can become more sustainable – not sometime in the future, but already today.

1,000+ delegates
300+ cities
140 speakers
50 countries
46 sessions
2 days

Top reasons to attend

- + Case studies that look beyond glossy marketing brochures
- + Meet the most innovative thinkers on sustainable cities
- + See how peer cities overcame challenges in implementing smart city projects
- + Network with city and industry leaders from around the world
- + Explore cutting-edge technology at the integrated EXPO

Conference Streams

Don't miss your opportunity for sharing information and networking!



Government Stream

National and city government leaders will explore together with UN and EU executives key issues in smart urban development in a series of roundtables and Q&A sessions: How can national governments support local smart city initiatives and what are the key success factors in smart city transformation from the perspective of large as well as medium-sized cities.



Smart Mobility

All about sustainable mobility in cities. Topics include: public transport, electro mobility, how to incentivize and support change in citizens' mobility patterns, traffic flow optimization and how to reduce individual car traffic in cities. A specialized technical stream, aimed to provide tech-experts with latest know-how from the mobility sector, complements it.



Smart Resources: Energy

Focusing on key energy issues of cities. Topics include: strategic energy options for cities, issues of energy production from renewable sources, urban energy infrastructure, energy concepts for smart city districts, urban energy saving initiatives, smart metering and its impact on cities, how cities go about refitting existing structures to make them more energy efficient.



Smart Living & City Planning

For city planners, architects, developers and real estate experts. Topics include: latest trends in city planning, challenges in developing sustainable districts, worldwide green building update, smart building technology, the impact of building regulations on sustainable project development as well as expected effects of connected living on cities and urban planning.



Smart Communications

Actively linking together all conference sessions and aimed at urban communications experts. Without proper communication, no changes can successfully be implemented. Topics include: how to communicate controversial projects, the impact of big data on cities, the impact of social trends on urban decision making and the effects of city collaboration.



Urban Future Expo

Meet companies, organizations and universities from around the world. The event features a prominent tech and showcase exhibition directly integrated into the conference. In a space of up to 2.000 sqm the latest technological solutions and sustainable projects are presented directly to decision makers attending the conference.

Who will attend

- + Mayors
- + Decision makers from cities and regions
- + Infrastructure managers
- + City planners
- + Public authorities & national ministries
- + Communications managers from cities
- + Smart City project leaders
- + Policy makers
- + International organizations, associations and NGOs

- __ Architects
- __ Automotive engineers
- __ Automotive managers
- __ Car pool managers from cities
- __ City planners
- __ Clean-Tech cluster organizations
- __ Consulting firms
- __ Environmental services
- __ Green building specialists
- __ Green tech companies
- __ Infrastructure managers
- __ IT managers from cities

- __ Local & regional mobility experts
- __ Media companies
- __ Mobility communication experts
- __ Mobility providers
- __ National agencies
- __ NGOs
- __ National and international associations
- __ Press officers from cities
- __ Public participation experts
- __ Public participation experts
- __ Public transport managers
- __ Public transport marketing

- __ Public transport operators
- __ Public utility companies
- __ R&D engineers & staff, construction material
- __ R&D engineers & staff, mobility
- __ Rail mobility solutions
- __ Real estate developers
- __ Real estate experts
- __ Real estate researchers
- __ Research organizations
- __ Residential buildings experts
- __ Smart City experts

- __ Smart grid experts
- __ Sustainability think tanks
- __ Sustainable energy generation
- __ Systems for cities
- __ Technical management from mobility providers
- __ Telecom services
- __ Telematics
- __ Traffic systems
- __ Universities
- __ Urban researchers
- __ Urban strategists

Day 1 / November 18

09.00	Official Opening and Keynotes						10.30
10.30	Break / Networking						11.00
11.00	M 1.1	S 1.1	L 1.2	R 1.1			
12.30	Break / Networking						14.00
14.00	M 1.2	M 2.1	S 1.2	L 1.1	R 1.2	C 2.1	
15.45	Break / Networking						16.15
16.15	M 1.3	M 2.2	G 1.1	L 1.3	R 1.3	C 2.1	
18.00	Evening Reception						19.00

Mobility Stream p. 12

- M 1.1** Official opening MOBILITY
- M 1.2** Making public transport more sustainable
- M 1.3** Public transport and sustainable urban mobility

- M 2.1** Autonomous driving systems
- M 2.2** Autonomous driving systems

- M 3.1** Encouraging new mobility patterns
- M 3.2** Optimizing traffic flow
- M 3.3** Future of electro mobility in cities
- M 3.4** No entry: keeping individual traffic out of cities

- M 4.1** Opening session: Technology update 2014
- M 4.2** New propulsion and vehicle concepts: private & LCV
- M 4.3** Technology update for public vehicles
- M 4.4** Technology update for rail-bound mobility solutions

Government Stream p. 17

- S 1.1** How national governments support Smart City initiatives
- S 1.2** How governments in transition economies support Smart City initiatives

- S 2.1** Mayors' round-table: Smart City approaches in larger cities
- S 2.2** Mayors' round-table: Smart City approaches in medium-sized cities

Graz Talks p. 10

- G 1.3** Graz Talks

Day 2 / November 19

09.00	M 3.1	M 4.1	S 2.1	L 2.1	R 2.1	C 1.1	C 2.2	10.30
10.30	Break / Networking						11.00	
11.00	M 3.2	M 4.2	S 2.2	L 2.2	R 2.2	C 1.2	C 2.2	12.30
12.30	Break / Networking						14.00	
14.00	M 3.3	M 4.3		L 2.3	R 2.3	C 1.3	C 2.3	15.45
15.45	Break / Networking						16.15	
16.15	M 3.4	M 4.4		L 2.4	R 2.4	C 1.4		18.00

Living & City Planning Stream p. 18

- L 1.1** Official opening LIVING & CITY PLANNING
- L 1.2** Urban Planning & Smart City
- L 1.3** Challenges in developing smart city districts

- L 2.1** Systemic solutions: the route to truly sustainable cities
- L 2.2** The world's greenest buildings & districts
- L 2.3** Buildings & infrastructure for sustainability
- L 2.4** Connected living

Communications Stream p. 26

- C 1.1** Official opening COMMUNICATIONS
- C 1.2** Communicating controversial projects
- C 1.3** Impact of (Big) data on Smart Cities
- C 1.4** How cities are re-inventing international diplomacy

Resources: Energy Stream p. 22

- R 1.1** Official opening RESSOURCES: Energy
- R 1.2** Energy strategy
- R 1.3** Renewable energy production for cities

- R 2.1** Energy saving for cities
- R 2.2** Smart Metering
- R 2.3** Energy optimization systems for existing buildings
- R 2.4** Transformation: how to become smart energy cities

- C 2.1** Democratic decision making in cities: torn between conflicting interests
- C 2.2** Experiences from consensus-based decision making
- C 2.3** Public participation in urban decision making

Note: See page 9 for info on tickets and location.

Keynote Speakers



Alex Steffen

Sustainability expert & best-seller author, USA



„Be a Worldchanger“

Alex Steffen thinks, writes and speaks about humanity's future, from vast planetary systems to subtle but rapid changes in our daily lives. He is an award-winning author and noted futurist, who has spoken to audiences around the globe and advised many of the world's most forward-looking companies, NGOs and public institutions.

His last project, Carbon Zero: Imagining cities that can save the planet, is an exploration of the kinds of design, technological and policy innovations that could transform our cities into low-carbon engines of prosperity. Earth Day founder Denis Hayes says of Carbon Zero that "Alex Steffen may be the world's boldest, most innovative thinker about future cities."



Ken Livingstone

Former Mayor of London, UK



„Why sustainable cities need strong leadership“

Ken Livingstone served as London's first elected mayor from 2000-08. He is one of the leading thinkers on the future of cities, and one of the most knowledgeable visionaries in this field. During his tenure as Mayor of London, he garnered widespread public praise for upgrading the city's aging transport system, introducing the revolutionary congestion charge, the Oyster card and introducing bus and cycle lanes. He oversaw the bid that led to the 2012 Summer Olympics, leading to the regeneration of the entire East London area. Livingstone also initiated improvements in energy saving and recycling, and enacted environmental and civil rights policies.

He promotes the pivotal role cities globally could play in creating a better future for humanity. In 2005, through the C40 Climate leadership network he brought together mayors from across the world „as a way of getting something started that governments were not going to tackle“. Serving as C40's first Chair, Livingstone established the C40 Secretariat in London. In 2013 he spoke passionately regarding the ability of London to be a completely sustainable city by 2050.



Benjamin Barber

Political theorist & best-selling author, USA



„Why Mayors should rule the world“

Benjamin R. Barber is a Senior Research Scholar at The City University of New York, President and Founder of the Interdependence Movement, and Walt Whitman Professor of Political Science Emeritus, Rutgers University. An internationally renowned political theorist, of Political Science

Dr. Barber brings an abiding concern for democracy and citizenship to issues of politics, globalization, culture and education in America and abroad. He consults regularly with political and civic leaders in the U.S. (President Clinton, Howard Dean) and around the world (Germany, U.K., Libya, Italy).

Benjamin Barber's 17 books include Strong Democracy (1984), the international best-seller Jihad vs. McWorld (1995, translated into thirty languages) and Consumed: How Markets Corrupt Children, Infantilize Adults, and Swallow Citizens Whole. His new book, If Mayors Ruled the World, was published in 2013 and was the subject of his TED global talk, released in September 2013.

Tickets and Visiting

	Before 10 September	After 10 September
Full Conference Registration	EUR 650	EUR 750
University Staff	EUR 375	EUR 375
Students	EUR 250	EUR 250
One-Day Registration	EUR 590	EUR 690

Special rates will apply to mayors, senior city delegates, government and UN officials – please contact Karin Slamanig at k.slamanig@urban-future.at for more information.

The Venue

The *URBAN FUTURE Global Conference* will take place at Messecongress Graz, the most modern conference & exhibition centre in Southern Austria. Integrated into the conference facilities are also the exhibition floors, providing for up to 2.000 sqm of top-grade exhibition infrastructure. For more information, visit the venue's website at www.mcg.at

Hotel Information

We have secured preferential rates for all conference attendees in more than 15 hotels in Graz. Please visit urban-future.at/en/conference and refer to the section „Visiting“ to see a full list of our partner hotels and to book your accommodation.

www.urban-future.at

Graz Talks

Come in, take a seat and experience in one single session 4 of the world's most innovative thinkers on sustainable cities.



Jeremy Rifkin

President of the Foundation on Economic Trends & best-selling author, USA



Jeremy Rifkin is an American economist, sociologist and bestselling author of twenty books on the impact of scientific and technological changes on the economy, the workforce, society, and the environment. He is founder and president of The Foundation on Economic Trends. Jeremy Rifkin has been an advisor to the European Union for the past decade. He also served as an adviser to President Nicolas Sarkozy of France, Chancellor Angela Merkel of Germany, and Prime Minister Jose Luis Rodriguez Zapatero of Spain during their respective European Council Presidencies, on issues related to the economy, climate change, and energy security. He currently advises the European Commission, the European Parliament, and several EU and Asian heads of state.

His books have been translated into more than thirty-five languages and are used in hundreds of universities, corporations and government agencies around the world. Recent international bestsellers include "The Empathic Civilization", "The Age of Access", and "The End of Work". In April 2014 Mr. Rifkin's published his latest book "The Zero Marginal Cost Society: The Internet of Things, the Collaborative Commons, and the Eclipse of Capitalism". Jeremy Rifkin is a senior lecturer at the Wharton School's Executive Education Program at the University of Pennsylvania.



Dan Hill

Executive Director, Future Cities Catapult (UK)



Dan Hill is Executive Director of Futures and Best Practice for the Future Cities Catapult in London. A designer and urbanist, Dan previously served as CEO of Italian communications research centre and design studio, Fabrica, which is part of the Benetton Group.

He was previously Strategic Design Lead for Sitra, the Finnish Innovation Fund, in their Strategic Design Unit in Helsinki, exploring how design might enable positive systemic change throughout society.

Focusing on the interplay between core urban infrastructures, urban fabric and urban economies, as well as governance and citizens, Hill will draw from his experience across multiple projects, from major urban developments like Barangaroo in Sydney, Masdar City in Abu Dhabi, Low2No in Helsinki, and leading up to his present work at the UK's Future Cities Catapult, the urban innovation think-tank.



Kent Larson

Director, City Science Initiative at the MIT Media Laboratory, USA



Kent Larson directs the Media Lab's Changing Places group at the Massachusetts Institute of Technology (MIT), one of the world's leading technical universities. Since 1998, he has also directed the MIT House_n research consortium in the School of Architecture and Planning. His current research is focused on four related areas: responsive urban housing, new urban vehicles, ubiquitous technologies, and living lab experiments.

Kent and his team researches how new models for urban architecture and personal vehicles can be more responsive to the unique needs and values of individuals through the application of disentangled systems and smart customization.

The MIT Changing Places lab develops technology to understand and respond to human activity, environmental conditions, and market dynamics. We are interested in finding optimal combinations of automated systems, just-in-time information for personal control, and interfaces to persuade people to adopt sustainable behaviours.



Alex Steffen

Sustainability expert & bestselling author (USA)



Alex Steffen thinks, writes and speaks about humanity's future, from vast planetary systems to subtle but rapid changes in our daily lives. He is an award-winning author and noted futurist, who has spoken to audiences around the globe and advised many of the world's most forward-looking companies, NGOs and public institutions.

Cities are the answer to climate change, energy challenges and resource scarcity. How we grow our cities, how we choose to get around in them, how we provide housing, how well we incorporate nature into the places we live – these are the challenges that will largely determine our future and the future of the planet. Steffen tackles the latest successful urban innovations and looks at how quality of life is actually improved in the process of retrofitting our cities for the seemingly impossible, yet surprisingly practical, goal of carbon neutrality.



Smart Mobility

Smart Mobility Keynotes

M 1.1 | Tue, Nov 18 | 11.00-12.30

Official Opening - Keynotes



Karl-Friedrich Stracke

President, Magna Steyr (Austria)

„The future of mobility in cities“

Karl Friedrich Stracke is president of the companies MAGNA STEYR Fahrzeugtechnik and MAGNA STEYR Engineering and is additionally responsible for the business units Fuel Systems and Battery Systems. The company offers complete vehicle engineering from scratch and is currently producing the BMW Mini Models Countryman and Paceman, the Peugeot RCZ, and Mercedes G Wagon as a contract manufacturer. In total 2.5 million vehicles have been produced in Graz.



Magda Kopczynska

Director of innovative mobility, EU Commission, DG move (Poland)

„Sustainable mobility in cities“

Ms Kopczynska joined the European Commission in 2006 to work in the Directorate General for Internal Market and Services. Prior to joining the European Commission Ms. Kopczynska had worked for 3 years as Director of the Brussels Office of the Polish Private Employers Confederation „Lewiatan“, representing Polish entrepreneurs vis-à-vis European Institutions. Magda Kopczynska holds degrees from the Jagiellonian University in Krakow and from the Warsaw University.



Håkan Agnevall

President Volvo Bus Corporation (Sweden)

„Technology drivers in the public transport sector“

Håkan Agnevall is President of the Volvo Bus Corporation, one of the largest bus manufacturers in the world. The company has a 13% market share and is world market leader in the sector of hybrid busses. Mr. Agnevall, born 1966, has worked in industry for many years and has extensive Swedish and international experience from several different companies such as ABB. Prior to joining Volvo Bus Corporation he held the position as Vice President at Bombardier Transportation Propulsion and Controls.

Smart Mobility General Sessions

M 1.2 / Tue, Nov 18 / 14.00–15.45

Making public transport more sustainable



Making multi-modality work in cities | Electro mobility: lessons learned from the early adaptor Norway | International panel discussion with urban mobility experts | Case studies on how cities tackle sustainable mobility

M 1.3 / Tue, Nov 18 / 16.15–18.00

Public transport and sustainable urban mobility



On the Sun Deck of the Titanic: the future of public transport | The most sustainable public transport operators and their strategies | Case studies on integrated mobility solutions in cities | Panel discussion with public transport managers and operators

M 3.1 / Wed, Nov 19 / 9.00–10.30

Encouraging new mobility patterns



Changing patterns: how lifestyles are affecting personal mobility | The human factor: how to change existing mobility patterns | Case study: Making a logistics company go electric | Sustainable mobility is a question of political will and leadership

M 3.2 / Wed, Nov 19 / 11.00–12.30

Optimizing traffic flow



Powered by TU Graz

Traffic flow and city planning | Today and tomorrow: ways to improve how cars are used in cities | How traffic optimization can help cities | Case studies from around the world: how cities optimize their traffic

M 3.3 / Wed, Nov 19 / 14.00–15.45

Future of electro mobility in cities



Electro mobility today: the facts without the glamour | What electro mobility can do for your city | Introducing electro mobility in cities and regions: do's & don'ts | New market opportunities for services in the electro mobility sector | Interactive panel discussion on the future of electro mobility in cities

M 3.4 / Wed, Nov 19 / 16.15–18.00

No entry: keeping individual traffic out of cities



Toward a city without cars: Helsinki takes a crack at it | Are city tolls a way to reduce car use in cities? | Case studies: where city tolls work, and where they failed | Italy's limited traffic zones Z.T.L for city centres | Politics Q&A: how to introduce traffic limiting measures

Smart Mobility Technical Sessions

M 2.1 / Tue, Nov 18 / 14.00–15.45 & 16:15–18:00

Autonomous driving systems



The future of cars: evolution vs. revolution | Status Quo in autonomous driving systems | Key areas of research | Cars are moving computers that happen to be on wheels | Case study: Navigating tomorrow's cities

M 4.1 / Wed, Nov 19 / 9.00–10.30

Opening session: Technology update 2014



Powered by AVL

Key issues for automobile and mobility R&D | Current market challenges for the mobility sector | Overview of key players' R&D pipeline

M 4.2 / Wed, Nov 19 / 11.00–12.30

New propulsion and vehicle concepts: private & LCV



Powered by AVL

Technology outlook for private and light commercial vehicles | Pioneering Hybridisations – Experiences and Outlook | Propulsion concept outlook for light commercial vehicles and related product pipeline

M 4.3 / Wed, Nov 19 / 14.00–15.45

Technology update for public vehicles



Powered by Volvo

Drivers for new technologies in the public transport market | New technology requirements from public transport operators | Performance of electro mobility concepts compared to other propulsion alternatives | Plans for propulsion technology changes expressed by authorities, operators and municipalities | Challenges in electrifying public transport | Advancements in charging technology

M 4.4 / Wed, Nov 19 / 16:15–18:00

Technology update for rail-bound mobility solutions



Powered by Siemens

Technology outlook for rail-bound mobility solutions | Trams & light rail systems for cities | Key fields of R&D | Latest concepts for commuter trains | Market outlook for key technological solutions of rail-bound mobility

Speakers

The *URBAN FUTURE Global Conference* presents more than 140 speakers from around the world. Among them are industry leaders, key thinkers, market experts and visionaries from the field of MOBILITY. Below is a small selection of speakers: for a full list and more details please visit www.urban-future.at



Eric Britton

CEO, EcoPlan (France)



Gabriele Domschitz

Member of the board,
Wiener Stadtwerke
(Austria)



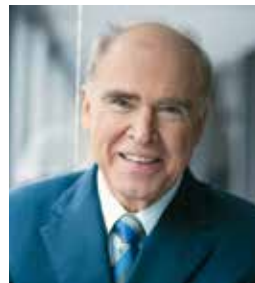
Erik Figenbaum

Norwegian Institute of
Transport Economics
(Norway)



Christian Gärtner

CEO, Stylepark
(Germany)



Helmut List

CEO, AVL List (Austria)



Gerald Killmann

Vice President R&D,
Toyota Motor Europe
(Belgium)



Andreas Knie

CEO, InnoZ & Head
of multi-modality at
Deutsche Bahn (Germany)



Daniel Ernesto Moser

Mobility expert,
Greenpeace (Germany)



Floris van de Klashorst

Vice President
Connected Car, Here
(Netherlands)

Government Sessions



In cooperation with UNECE

S 1.1 | Tue, Nov 18 | 11.00-12.00

How national governments support Smart City initiatives



Government representatives from 4 western countries | Ministerial round-table and discussion with Q&A session on how national governments can support local and regional Smart City initiatives | Comparison of national programs | Key success factors

S 1.2 | Tue, Nov 18 | 14.00-15.00

How governments in transition economies support Smart City initiatives



Government representatives from 4 countries with economies in transition | Ministerial round-table and discussion with Q&A session on how national governments can support local and regional Smart City initiatives | Presentation of national programs | Key success factors | Creating awareness

S 2.1 | Wed, Nov 19 | 9.00-10.30

Mayors' round-table: Smart City approaches in larger cities



Representatives from 4 larger cities share their insight | Open Q&A sessions with the audience | Starting smart city initiatives | Process ownership and smart city leadership | Key success factors

S 2.3 | Wed, Nov 19 | 11.00-12.30

Mayors' round-table: Smart City approaches in medium-sized cities



Representatives from 5 medium-sized cities share their insight | Open Q&A sessions with the audience | Starting and implementing smart city initiatives | Importance of smart city leadership | Key success factors | Focus of smart city initiatives | Financing Smart City



Smart Living & City Planning

Smart Living & City Planning Keynotes

L 1.1 | Tue, Nov 18 | 14.00-15.45

Official Opening - Keynotes

Eckhart Hertzsch



Head of the Centre Office, National Platform Future City (Germany)

„The new world of living“



Dr.-Ing. Eckhart Ulrich Hertzsch is an internationally renowned expert for construction physics, head of the business segment “Morgenstadt” of the international Fraunhofer Institute, and manager of the office of the German National Platform for the City of the Future (Nationale Plattform Zukunftsstadt) since 2013. Following his dissertation at the University of Stuttgart, he founded the engineering office Ecopa and advised numerous renowned architects and building owners in matters of energy efficiency and façade technologies. In 2004, Mr Hertzsch established the R&D department for the Asian Pacific region for the world’s largest façade manufacturer in Singapore.

Martin Walker



Senior Director at the Global Business Policy Council (USA)

„Urban bio-dynamics: why cities are like wine“



Martin Walker is Senior Director of the Global Business Policy Council, a private think-tank for CEOs of major corporations, based in Washington DC. He organized and chaired CEO Retreats in Mumbai, Dubai, Chicago, St. Petersburg, and Shanghai. Martin works closely with business leaders from around the world and he has conducted top-level briefings on global trends and economic prospects. He authored several essays, including ‘The Crash of 2008’, ‘Obamanomics and its Prospects’ and ‘The World’s New Numbers’. He wrote several books, including on the Cold War and on Bill Clinton. A journalist for 25 years with Britain’s The Guardian, he has also written for the New York Times, The Washington Post, Die Zeit, The New Yorker, The Moscow Times and The Times of London.

Thomas Rau



Architect & CEO of turnoo (Netherlands)

„Liveable cities“



Thomas Rau is entrepreneur, architect, innovator and visionary. His motto is ‘guided by the future’: his decisions and actions are not determined by what is deemed possible or culturally acceptable now, but by what is necessary for the future. Putting words into action, RAU Architects have been on the forefront of designing environmentally conscious buildings and healthy indoor climates since 1992. RAU has contributed several innovations and set new standards - first in the field of CO₂-neutral and energy neutral building, later for energy positive building and more recently circular architecture. Thomas Rau was elected Dutch Architect of The Year 2013 and awarded with the prestigious ARC13 Oeuvre Award for his widespread contribution in both promoting and realising sustainable architecture.

Smart Living & City Planning Sessions

L 1.2 / Tue, Nov 18 / 11.00-12.30

Urban Planning & Smart City



Everybody talks about it: but what exactly is a Smart City? | Latest trends in city planning | The future of the compact city concept | Case study: the effects of social trends and resulting city planning on food retailing

L 1.3 / Tue, Nov 18 / 16.15-18.00

Challenges in developing smart city districts



What cities can learn from key district developments across Europe | Smart City Graz | HafenCity Hamburg | Hammarby Sjöstad district in Stockholm | Panel discussion with open Q&A on key pitfalls & solutions when developing smart city districts

L 2.1 / Wed, Nov 19 / 9.00-10.30

Systemic solutions: the route to truly sustainable cities

Powered by Institute for Sustainability (UK)



The need for integrated solutions, best practice and where next? | Best practices for integrated solutions | Cities, Developers, Non-profit organizations | Open Q&A session on developing sustainable city districts

L 2.2 / Wed, Nov 19 / 11.00-12.30

The world's greenest buildings & districts



Welcome to the present future: how sustainable buildings can already be | The world's most innovative eco-buildings | Case studies: developing modern eco-buildings in North America

L 2.3 / Wed, Nov 19 / 14.00-15.45

Buildings & infrastructure for sustainability



Smart buildings require smart grids | Integrating smart buildings into urban infrastructure | Innovation at work: case study on the City of Salzburg

L 2.4 / Wed, Nov 19 / 16.15-18.00

Connected living



The next big thing: internet of things | Connected living: state of the art solutions, challenges and market demand | How new technology will impact the way cities work | How technology will impact the way we live

Speakers

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Sahin Albayrak

Connected Living Innovation Centre (Germany)



Alan AtKisson

Sustainability expert & CEO of AtKisson Group (UK)



Jürgen Bruns-Berentelg

CEO, HafenCity Hamburg (Germany)



Victor Callister

Assistant Director of Environmental Enhancement & City Transportation, City of London (UK)



Martin Haas

Member of the Board at DGNB, German Sustainable Building Society (Germany)



Brad Kahn

CEO of Groundwork Strategies (USA)



Rainer Kallenbach

CEO of Bosch Software Innovations (Germany)



Kurt Vandenberghe

Director of Climate Action & Resource Efficiency, EU Commission, DG Research (Belgium)



Terri Wills

Director Global Initiatives, C40 Cities Climate Leadership Group (UK)



Smart Resources: Energy

Smart Resources: Energy Keynotes

R 1.1 | Tue, Nov 18 | 11.00-12.30

Official Opening - Keynotes

Florian Haslauer



Head of Energy Economics Group at
AT Kearney (Austria)

„World energy consumption & energy outlook“

Dr. Florian Haslauer is energy expert and a partner of A.T. Kearney. From 2006 to 2010, Mr Haslauer was the head of the Central European Energy Economics Group, responsible for the EMEA region since 2010 and globally responsible since 2014. Mr Haslauer's consulting services focus on the areas of strategy development, business model and organisational design, and optimisation of the value chain, with particular emphasis on sustainable safeguarding of the competitiveness and innovative capability, efficiency and profitability.

Benjamin Sovacool



Danish Center for
Energy Technology (Denmark)

„Putting into perspective: Energy & Cities“

Dr. Benjamin K. Sovacool is Director of the Danish Center for Energy Technology at AU-Herning and a Professor of Business and Social Sciences at Aarhus University in Denmark. He works as a researcher and consultant on issues pertaining to renewable energy and energy efficiency, the politics of large-scale energy infrastructure, designing public policy to improve energy security and access to electricity, and building adaptive capacity to the consequences of climate change.

Humberto Delgado Rosa



Director for Low Carbon Technology, EU Commission,
DG Climate Action (Portugal)

„What do I care about climate change?“

Humberto Delgado Rosa was appointed Director of Directorate C 'Mainstreaming Adaptation and Low Carbon Technology' in DG Climate Action of the European Commission, in 2012. Mr. Delgado Rosa has substantial experience in European and international environmental policy, particularly in climate change issues. He served as Secretary of State for the Environment of the Portuguese Government from March 2005 to June 2011 and during the Portuguese Presidency of the EU in 2007, he acted as EU lead negotiator for the UN Climate Change Conference.

Smart Ressources: Energy Sessions

R 1.2 / Tue, Nov 18 / 14.00-15.45

Energy strategy



Energy visions for cities | How cities can take their energy fate into their own hands | Strategic decisions cities can make when it comes to energy | Scale and time horizon for energy decisions | Q&A session with top consultants on strategic energy options for cities

R 1.3 / Tue, Nov 18 / 16.15-18.00

Renewable energy production for cities



Nordic Energy Leadership and Implications for Europe | Urban energy concept for city districts: case study on the Graz-Reininghaus district | Switching from fossil to renewables

R 2.1 / Wed, Nov 19 / 9.00-10.30

Energy saving for cities



How smart energy consumption guide smart cities | Analyzing Twelve Metropolitan Carbon Footprints: Insights for City Planners | The human factor in saving energy | Most successful saving initiatives | What cities can do to promote saving energy | Case study: energy masterplan for the Canadian City of Guelph

R 2.2 / Wed, Nov 19 / 11.00-12.30

Smart Metering



How smart metering can change our (energy) life | Smart metering case studies: what it already does for cities | Q&A session on the future and prospects of smart metering in cities | Data protection concerns with smart metering

R 2.3 / Wed, Nov 19 / 14.00-15.45

Energy optimization systems for existing buildings



Powered by ICLEI

The biggest challenge: transforming existing structures | Transformation live: cities and their solutions | No simple solution: upgrading existing structures | Case studies on making existing buildings energy efficient

R 2.4 / Wed, Nov 19 / 16.15-18.00

Transformation: how to become smart energy cities



Powered by AIT

Embarking on a journey: 6 cities to become energy smart | Involving stakeholders in the transformation | Lessons learned: mistakes you should avoid | Q&A Session with speakers from several European cities

Speakers

The *URBAN FUTURE Global Conference* presents more than 140 speakers from around the world. Among them are industry leaders, key thinkers, market experts and visionaries from the field of *RESOURCES: ENERGY*. Below is a small selection of speakers: for a full list and more details please visit www.urban-future.at



Jens Bartholmes

New Energy Technologies - Smart Cities and Communities, EU Commission, DG Energy (Belgium)



Roman Mendle

Sustainable Infrastructure at ICLEI (Germany)



Gernot Stöglehner

Vienna University of Natural Resources and Life Sciences (Austria)



Oliver Baumann

CEO of Baumann Engineering (USA)



Hans-Günther Schwarz

Energy- and Green technologies, Austrian Ministry for Transport, Innovation and Technology (Austria)



Andreas Umbach

CEO of Landis + Gyr (Switzerland)



Peter Garforth

City of Guelph (Canada)



Rian van Staden

Intelligent Renewable Energy (Netherlands)



Ronald van Warmerdam

City of Amsterdam (Netherlands)



Smart Communication

Smart Communications Keynotes

C 1.1 / Wed, Nov 19 / 9.30-10.30

Official Opening - Keynotes



Nick Tennant

Head of Communications at London
Tideway Tunnels (UK)

„Communicating controversial infrastructure projects“



Nick is Communications Manager for the London Tideway Tunnels, a high-profile Thames Water projects required to help tackle the discharge of untreated sewage into the tidal River Thames. He leads a 14-strong Communications team, embedded within multi-discipline project teams.



Terri Wills

Director Global Initiatives, C40 Cities
Climate Leadership Group (UK)

„City collaboration changes international diplomacy“



Terri Wills is the Director of Global Initiatives for C40 – the climate leadership group of cities, and is responsible for the development and delivery of C40's initiatives and networks. Previously, Terri served as the organisation's London City Director, working closely with the Mayor of London's office on climate change mitigation programmes. Before joining the organisation, Terri was a Senior Policy Advisor for the Ontario Government in Canada, supporting the administration of a large-scale cleantech demonstration fund. Terri has also worked as a consultant advising on the economic development of creative industries, and was a Head of Strategy at the BBC in London. Terri holds an MSc from the London School of Economics and a BAH in Political Studies from Queen's University, Canada.



Stephanie Bock

Urban Communications expert, DIFU
(Germany)

„Public participation in urban decision-making“



Stephanie Bock is scientist and project leader at the German Institute of Urban Affairs, Berlin (DIFU) with a particular focus on urban and regional development, governance and citizen participation. The communications expert is advising cities and organizations on how to engage and interact with the public.

Smart Communications Sessions

C 1.2 / Wed, Nov 19 / 11.00-12.30

Communicating controversial projects



How cities should communicate potentially controversial projects | Urban infrastructure projects & engaging citizens | Timeline for communicating projects | International case studies from large-scale infrastructure projects | Q&A session with responsible communications managers

C 1.3 / Wed, Nov 19 / 14.00-15.45

Impact of (Big) data on Smart Cities



Powered by AIT

Potential of Big Data in the urban mobility domain | The European perspective on Big Data in smart cities | Big Data: new concepts vs. data protection concerns | How national data strategies can help guide smart cities | Q&A session with experts: How Big Data can help cities to become smarter

C 1.4 / Wed, Nov 19 / 16.15-18.00

How cities are re-inventing international diplomacy



Powered by C40

How collaborating cities shift up gears in making the world more sustainable | Case studies on the Climate Positive initiative: Stockholm & San Francisco | Lessons learned from collaborating to reduce CO₂ emissions | How cities can benefit from sharing knowhow

C 2.1 / Tue, Nov 18 / 14:00-15:45 & 16:15-18:00

Democratic decision making in cities: torn between conflicting interests



Powered by Karl-Franzens University Graz

Dynamics of democratic decision-making in cities | Balancing conflicting interests in urban projects | Greater good for all vs. being re-elected | Why citizens want to get involved in key decisions | Challenges of greater transparency in urban decision-making | The role of NGOs in urban decision-making

C 2.2 / Wed, Nov 19 / 09:00-10:30 & 11:00-12:30

Experiences from consensus-based decision making



Powered by University of Graz

Is consensus the ultimate goal when communicating urban projects? | Mediation as a tool to de-escalate conflicts with citizen groups | Advantages and challenges of consensus-based decision making | International case studies on difficult urban decision-making processes

C 2.3 / Wed, Nov 19 / 14:00-15:45

Public participation in urban decision making



Powered by DIFU

Public participation models in use | When cities should engage the public, and when not | Is citizen participation a good thing? | Case studies from several German-speaking cities, including Potsdam, Heidelberg, Saarbrücken and Graz

Speakers

The *URBAN FUTURE Global Conference* presents more than 140 speakers from around the world. Among them are industry leaders, key thinkers, market experts and visionaries from the field of COMMUNICATIONS. Below is a small selection of speakers: for a full list and more details please visit www.urban-future.at



Nadja Alexander

Dispute resolution expert and mediator (Hong Kong)



Joachim Hahn

City planning, City of Heidelberg (Germany)



Sascha Haselmayer

CEO of Citymart.com (Spain)



Nils Jonas

Public participation office, City of Potsdam (Germany)



Michael Kamps

Partner, CMS Hasche Sigle (Germany)



Martin Köhler

Key Researcher, AIT Austrian Institute of Technology (Austria)



Wolf Lindner

University of Berne (Switzerland)



Cornelia Maier

Umweltdachverband (Austria)



Sabine Volgger

Communications expert at WikopreventK (Austria)

Speakers

The *URBAN FUTURE Global Conference* presents more than 140 speakers from around the world. Among them are industry leaders, key thinkers, some of the most renowned experts on sustainability, international political leaders, corporate CEOs as well as mayors from key cities around the world and high-profile scientists. For more details on the speaker line-up please visit www.urban-future.at

Håkan Agnevall	President Volvo Bus Corporation
Alois Aigner	Head of Development ARE Development
Sahin Albayrak	Director DAI-Laboratory at the TU Berlin
Nadja Alexander	Mediator
Alan AtKisson	Sustainability Expert and CEO AtKisson Group
Benjamin R. Barber	Political theorist & best-seller author
Jens Bartholmes	New Energy Technologies - Smart Cities and Communities EU Commission, DG Energy
Peter Bauer	CEO Werkraum Wien Ingenieure ZT-GmbH
Oliver Baumann	CEO Baumann Engineering
Ramesh Biswas	Architect & CEO Ramesh Kumar Bismas Architects
Stephanie Bock	Urban Communications expert German Institute of Urban Affairs (DIFU)
Eric Britton	CEO EcoPlan
Jürgen Bruns-Berentelg	CEO HafenCity Hamburg
Raoul Bunschoten	Professor Technical University Berlin

Victor Callister	Assistant Director, Department of Built Environment City of London
Christoph Chorherr	Member of the city council City of Vienna
Wulf Daseking	City planning expert University of Freiburg
Humberto Delgado Rosa	Director Directorate C - Mainstreaming Adaptation & Low Carbon Technology
Gabriele Domschitz	Member of the board Wiener Stadtwerke
Jürgen Dumpelnik	CEO SZS
Ulrich Eberl	Head of innovation publications Siemens AG
Martin Fellendorf	Institute of Technology and Testing of Building Materials Technical University Graz
Sascha Ferz	Center for Social Competence University of Graz
Erik Figenbaum	Senior Research Engineer Institute of Transport Economics
Daphne Frankl-Templ	Coordinator for Electric Mobility and IP-Strategy bmvit - Federal Ministry for Transport, Innovation and Technology
Harald Frey	Research Center of Transport Planning and Traffic Engineering Technical University Vienna
Christian Friis Bach	Executive Secretary UNECE
Peter Garforth	Energy strategy advisor City of Guelph
Christian Gärtner	CEO Stylepark
Harry Gatterer	CEO Zukunftsinstitut
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Martin Haas	Member of the board Deutsche Gesellschaft für Nachhaltiges Bauen
Joachim Hahn	Director of City Planning City of Heidelberg
Stephen A. Hammer	Lead Urban Specialist The World Bank
Sascha Haselmayer	CEO Citymart.com
Florian Haslauer	Head of worldwide Energy Economics Group A.T.Kearney
Manfred Hegger	CEO HHS Architects
Uli Hellweg	CEO IBA Hamburg
Eckhart Hertzsch	Deputy leader of Morgenstadt-Initiative Fraunhofer Institute
Dan Hill	Executive Director Future Cities Catapult
Andreas Hofer	Partner Archipel architects
Anneli Hulthén	Executive Mayor City of Gothenburg
Marius Jennings	Project Manager Bristol Future
Nils Jonas	Büro für Bürgerbeteiligung City of Potsdam
Florian Judex	Department of Energy AIT - Austrian Institute of Technology
Frank Junker	CEO ABG Frankfurt Holding
Brad Kahn	CEO Groundwork Strategies
Rainer Kallenbach	CEO Bosch Software Innovations
Michael Kamps	Partner CMS Hasche Sigle
Georg Kapsch	President Federation of Austrian Industries
Uwe Kärsten	Office for public participation City of Potsdam

Stefan Kessen	CEO Mediator GmbH
Gerald Killmann	Vice President R&D Toyota Motor Europe
Andreas Knie	CEO InnoZ
Wolf-Timo Köhler	Head of Public participation programs City of Graz
Ursula König	Partner Topikpro
Magda Kopczynska	Director Directorate C - Innovative & sustainable mobility
Christian Krainer	CEO ÖWGS
Monika Kunz	Head of city planning City of Saarbrücken
Kent Larson	Director MIT Living Lab
Wolfgang Leindecker	Vice President Public Transport & Machine Networks Kapsch CarrierCom AG
Wolf Linder	Institute of Political Science University of Bern
Helmut List	CEO AVL List GmbH
Ken Livingstone	Former Mayor City of London
Wolfgang Loibl	Energy in Cities AIT - Austrian Institute of Technology
Thomas Madreiter	Director of Urban Planning City of Vienna
Cornelia Maier	Expert on EU environmental law Umweltdachverband
Riccardo Marini	Senior Consultant Gehl Architects
Roman Mendle	Smart Urban Infrastructure Team ICLEI
Lukas Meyer	Department of Philosophy University of Graz
Daniel Moser	Mobility & Transport Expert Greenpeace
Siegfried Nagl	Mayor City of Graz
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Alexander Pongratz	CEO of Pongratz Bau Vice President of FIEC - European Construction Industry Federation
Peter Preuss	Innovation Expert on Urban Mobility Here
Thomas Pucher	Architect and city planning expert Pucher Architects
Elizabeth Rapoport	Department of Science, Technology, Engineering and Public Policy University College London
Jure Ratej	Head of Research Etrell
Thomas Rau	CEO turntoo
Martin Rein-Cano	Architect Topotek 1
Thomas Reznicek	Head of Area Management Austria & Switzerland Kapsch Traffic Com
Jeremy Rifkin	President Foundation on Economic Trends
Franz-Georg Rips	President German Association of tenants

Wolfram Sacherer	CEO Siedlungsgenossenschaft Ennstal
Oliver Schmerold	CEO ÖAMTC
Hans-Günther Schwarz	Energy- and Green technology Austrian Ministry for Transport, Innovation and Technology
Patrick Sefzik	Sales Manager Stadler Rail
Ian Short	CEO Institute for Sustainability
Tanja Sippola-Alho	Political Advisor Minister of the Environment, Finland
Mahshid Sotoudeh	Senior Researcher Institut für Technikfolgenabschätzung
Benjamin Sovacool	Director Danish Center for Energy Technology
Barbara Steenbergen	Head of EU liaison office International Union of Tenants
Alex Steffen	Sustainability expert
Karin Stieldorf	Winner of the Solar Decathlon 2013 Department of Architecture, Technical University Vienna
Alois Stöger	Federal Minister bmvit - Federal Ministry for Transport, Innovation and Technology
Gernot Stöglehner	Vienna University of Natural Resources and Life Sciences
Stefan Storr	Institute of Public Law and Political Science University of Graz
Karl-Friedrich Stracke	President MAGNA STEYR Fahrzeugtechnik & Engineering
Nick Tennant	Director of Communications Thames Tideway Tunnel
Andreas Umbach	CEO Landis+Gyr
Peter Umundum	Member of the board Österreichische Post AG
Floris van de Klashorst	Vice President Connected Car Here
Jeroen van der Heijden	Assistant Professor Australian National University
Rian van Staden	Principal Consultant Intelligent Renewable Energy
Ronald van Warmerdam	Senior Project Manager City of Amsterdam
Kurt Vandenberghe	Director Directorate I - Climate Action & Resource Efficiency
Erich Visotschnig	Director SK Prinzip
Theresia Vogel	Managing Director Climate and Energy Fund
Sabine Volgger	Communication Strategist wikopreventk
Gerald Vones	Head of energy technology and innovation department bmvit - Federal Ministry for Transport, Innovation and Technology
Karl Wagner	Director of external relations Club of Rome
Martin Walker	Senior Director Global Business Policy Council
Thomas Waltert	City development North Bau- und Verkehrsdepartement des Kantons Basel-Stadt
Bertram Werle	Head of Building Authority City of Graz
Terri Wills	Director of Global Initiatives C40
Friedrich Zimmermann	Institute of Geography and Regional Sciences University of Graz

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