

SESSIONS

DAY 1 - DIGITISING CITY LIFE, FOR THE PEOPLE, WITH THE PEOPLE -
17/05/2017

Smart to Future Cities & Urban IoT
2017

16-18 May 2017
Millennium Gloucester Hotel
London

Chairperson's Opening Remarks

08:50 - 09:00
Keynotes

An introduction and overview from our chairperson

Participants

Chris Pennell - Lead Analyst, Government Ovum

Smart Cities – Where are we now? A look at the Development of the Smart City Idea from 2010 to Now

09:00 - 09:20
Keynotes

- A look back at the initial smart city concept and initial projects
- What was the original aim of a smart city – how has that definition/end game changed?
- Fast forward – how do we think things will continue to evolve over the next 5 years?

Participants

Karl-Filip Coenegrachts - Chief Strategy Officer, City of Ghent

What Does a Successful Smart City Business Model Look Like?

09:20 - 09:40
Keynotes

- Who covers the costs of implementation and installation of smart ICT infrastructure?
- How do identify and prove revenue generation from smart city investments
- Who receives the revenues and how are these shared across the value chain?
- How do you ensure business models are durable and scalable?

Participants

Eldar Tuzmukhamedov - Head of Smart City Lab, City of Moscow

Who pays for Smart Cities? Addressing Funding Issues Beyond Pilots

09:40 - 10:00
Keynotes

- What options are available for smart city funding?
- The need for private & public sector partnerships to finance smart cities
- How do you scale up funding to widen the roll out of pilot projects

Panel Discussion: Creating a Truly Smart City - Bringing together Silo'd Smart solutions

10:00 - 10:30
Keynotes

- Is it a city with lots of isolated pilot projects really smart?
- Implementing smart infrastructure to underpin multiple initiatives
- What different parties need to work together to ensure successful centralization of solutions?

Participants

Moderator: Matthew Evans - Executive Director – Smarter UK & Internet of Things Programme, TechUK

Panelist: Liz O'Driscoll - Head of Innovation, Exeter City Futures

Break & Speed Networking

10:30 - 11:30
Main agenda

A Governance First Approach to Smart Cities

11:30 - 11:50
Standards, Governance & Interoperability

- New technology alone won't solve city problems – how does local authority make the change come from within
- Outlining a clear and realistic long term vision and execution plan for smart cities
- What are the advantages of consistent management responsibility?

Participants

David Ludlow - Associate Professor, European Smart Cities, Bristol UWE

Standards & Conformance to make Cities Smarter

11:50 - 12:10
Standards, Governance & Interoperability

- Why do we need standards... and for what? Looking beyond technology at strategy & practice
- What standards do we have now – what are their shortcomings
- Who are the key stakeholders involved with setting and policing city standards?

Participants

Michael Mulquin - Principal Architect Smart Cities Maturity Model,, TM Forum

Panel discussion: Standards & Metrics to Measure a City's 'smartness'

12:10 - 13:10
Standards, Governance & Interoperability

- How do you identify parameters and metrics that relate to the context of the city?
- How are objectives and KPI's set? Who are the stakeholders involved in this?
- Is it possible to build an evaluating model?

Are international Smart City Standards a Possibility?

12:40 - 13:00
Standards, Governance & Interoperability

- How can cities across the world collaborate on a shared vision?
- Is it really possible to identify universal parameters to measure something that is context subjective?
- What benefits could cities experience – both for infrastructure and citizens- if international smart cities were a reality?

Participants

John Devaney - Standards Publishing Manager, British Standards Institute

Lunch

13:00 - 14:00
Main agenda

Building a Citizen Innovation Culture that Drives Smart City Progress or Encouraging Participation Through Co-Creation - Giving Citizens a Seat at the Table.

14:00 - 14:20
Cities for the Citizen

-Discussion approaches of City as a Platform or Living Lab for civic participation

-Why smart city development has to engage citizens?

-Examples of citizen participation models and methods in smart city development

-Examples of Smart Kalasatama agile experimentation program to engage citizens to co-create smart services

-Towards cities for smart citizens

Participants

Veera Mustonen - Head of Smart Kalasatama, Smart Kalasatama, City of Helsinki

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Panel Discussion: Smart Technologies for Smart Service Delivery

14:20 - 14:50
Cities for the Citizen

- How digital technology can enable deliver agile, easy-to-use, consumerised services at lower cost
- What technology platforms can be utilized to improve service delivery?
- Ensuring technology is built into the design of service updates
- The implications of technology on benefit delivery, waste disposal, emergency services, etc.

Participants

Panelist: Paul Copping - Chief Innovation Officer, Digital Greenwich

Panelist: Sean Green - Director, IT, City of London Corporation and City of London Police

Tech facilitating the Citizen to City Relationship - Using Apps and Smartphones to Engage the End-User: Case Study Dormangen

14:50 - 15:50
Cities for the Citizen

- The city of Dormangen in Germany has been enhancing civic e-participation with satnav Since 2011 which allows citizens to report faulty public equipment via an app
- Using GPS software, by simply taking a photo citizens can report damaged equipment
- How this has encouraged citizen participation, trust and also reduced maintenance costs in the Municipality

Participants

Gerhard Heeke - Product Manager - IT Systems, Municipality of Dormagen

Grazia Fiore - Research and project coordinator, Eurisy

Digital Access to Culture in Smart City Concept

15:10 - 15:30
Cities for the Citizen

The use of digital media in the cultural sector – entitled as “eCulture” or “digital culture” will change the cultural sector – the only questions remaining are concerning speed, its conceptual direction and structure. The Internet and digitisation of cultural content offer new opportunities for cultural education and participation which is an integral part of the mission of public cultural institutions. It will offer also new opportunities in marketing and academic use of culture. The question on how culture will be offered in a digital format will be a central task of cultural policy. Quality standards of the traditional cultural sector have to be maintained, at the same time new opportunities and requirements of the net community have to be addressed.”

Participants

Dr. Petrat Dirk - Director General, Ministry of Culture, City of Hamburg

Informing Data Infrastructures development with Business Strategy

14:00 - 14:30
Big Data in the Big City

The systems that operate the infrastructure of cities have evolved in a fragmented fashion across several generations of technology, causing city utilities and services to operate sub-optimally and limiting the creation of new value-added services and restrict opportunities for cost-saving. The development of data infrastructures offers a new wave of opportunities to mitigate some of these impacts. Despite the considerable potential of data, current smart cities initiatives have mainly addressed the problem of data management from a technology perspective, have treated it as a single and disjoint ICT development project, and have disregarded stakeholders and data needs. As a consequence, such initiatives are susceptible to failure from inadequate stakeholder input, requirements neglecting, and information fragmentation and overload. This talk will cover the design steps of large and highly interconnected data infrastructures which are provided and supported by multiple stakeholders. We will discuss a framework that can be used to model, elicit and reason about the requirements of the service, technology, organization, value, and governance aspects of smart cities throughout its lifecycle (R&D, Procurement, Roll-Out and Market stages). We demonstrate how this approach can handle the holistic design of a data infrastructure and informs the decision making process by examining a series of exemplary scenarios.

Participants

Dr. Larissa Romualdo Suzuki - Senior Project Manager, Greater London Authority

Panel Discussion: Sharing Open Data to Spur Public Innovation

14:30 - 15:00
Big Data in the Big City

- Methods to engage the public with the innovative use of data in services to improve city life
- Using Open Data to break down silo's in smart cities
- Public acceptance of collecting and sharing personal data
- The benefits of sharing data for all

Participants

Panelist: Raj Mack - Head of Digital Birmingham, Digital Birmingham, Birmingham City Council

Urban Data Planning & IoT for City Growth

15:00 - 15:20
Big Data in the Big City

- Using the variety of sensors now available to collect data and learn new things about the city
- What relevant data can be gleaned from housing, transport & employment systems to help us plan the city of tomorrow
- How data providing a new view can, and will change the way we design our future cities

Panel Discussion: Artificially Smart? AI's role in Making a City Smarter

15:20 - 15:40
Big Data in the Big City

- Different industries are adopting AI to cut costs, improve efficiencies and streamline services, but how can these be used in the public sector?
- How can AI be used now? Transport, utility management, citizen interaction
- What are the possibilities for AI in future smart cities?

Participants

Ajit Joaker - Director at AI for Smart cities lab, UPM Madrid

Break

15:40 - 16:10
Main agenda

Developing a Smart Security Strategy

16:10 - 16:30
Securing the Smart City

- Cyber security attacks to public infrastructure could be disastrous – but what risks need to be protected from?
- Identifying which services and groups are most at risk
- Learning from lessons of the past, and anticipating attack routes of the future

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Panel Discussion: Developing a Harmonised Cyber Security Framework

16:30 - 17:00
Securing the Smart City

- Integrating Systems for a Stronger, Smarter City
- Ensuring systems and sensors across a vast disconnected network are equally protected
- Governments and key stakeholders working together to ensure security solutions are harmonized

Blockchain – the secure information exchange platform of the future?

17:00 - 17:20
Securing the Smart City

- Beyond bitcoin - What is blockchain, and why are people talking about it?
- Examples of how digital ledger technology can be used for digital payments
- How can blockchain be used to build citizen trust?

City Alerts – Using Smart City Data to Improve Emergency Response and Save Lives

16:10 - 16:30
Safe City, Healthy People

Adequate information exchange of relevant information (personal and non-personal) between emergency services during emergency incidents. In such a way that rescuers have all relevant information available at a glance.

Participants

Ron Van Der Lans - Program manager Open & Big Data, City of Amsterdam

Don't be Afraid of the Dark – The Benefits of Smart Street Lighting

16:30 - 16:50
Safe City, Healthy People

- Evolving the role of the humble lamp post from pedestrian lighting to critical infrastructure
- Using street lights to measure & support environment, traffic and parking
- The street light as a revenue stream - using lampposts to host ads

IoT Supporting the Aging Population

16:50 - 17:10
Safe City, Healthy People

- Addressing & understanding the needs of the elderly in housing, healthcare, support and community to make cities more friendly environments
- Creating solutions & using technology platforms that are suitable for the end-user
- How can technology be the bridge between the elderly and smart cities

Participants

Raj Mack - Head of Digital Birmingham, Digital Birmingham, Birmingham City Council

Panel Discussion: Connected Technology as the Gateway to Improved Health Services

17:10 - 17:40
Safe City, Healthy People

- How to innovate healthcare in smart cities
- Targeted health, well-being & social care services using citizen owned-devices
- Using digital technology and data to minimize demand on healthcare systems

Networking Drinks

17:15 - 18:15
Main agenda

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08:00				08:50 - Chairperson's Opening Remarks			
09:00				09:00 - Smart Cities – Where are we now? A look at the Development of the Smart City Idea from 2010 to Now 09:20 - What Does a Successful Smart City Business Model Look Like? 09:40 - Who pays for Smart Cities? Addressing Funding Issues Beyond Pilots			
10:00	10:30 - Break & Speed Networking			10:00 - Panel Discussion: Creating a Truly Smart City - Bringing together Silo'd Smart solutions			
11:00							11:30 - A Governance First Approach to Smart Cities 11:50 - Standards & Conformance to make Cities Smarter

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12:00							<p>12:10 - Panel discussion: Standards & Metrics to Measure a City's 'smartness'</p> <p>12:40 - Are international Smart City Standards a Possibility?</p>
13:00	13:00 - Lunch						
14:00		<p>14:00 - Informing Data Infrastructures development with Business Strategy</p> <p>14:30 - Panel Discussion: Sharing Open Data to Spur Public Innovation</p>	<p>14:00 - Building a Citizen Innovation Culture that Drives Smart City Progress or Encouraging Participation Through Co-Creation - Giving Citizens a Seat at the Table.</p> <p>14:20 - Panel Discussion: Smart Technologies for Smart Service Delivery</p> <p>14:50 - Tech facilitating the Citizen to City Relationship - Using Apps and Smartphones to Engage the End-User: Case Study Dormangen</p>				

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15:00	15:40 - Break	15:00 - Urban Data Planning & IoT for City Growth 15:20 - Panel Discussion: Artificially Smart? AI's role in Making a City Smarter	15:10 - Digital Access to Culture in Smart City Concept				
16:00					16:10 - City Alerts – Using Smart City Data to Improve Emergency Response and Save Lives 16:30 - Don't be Afraid of the Dark – The Benefits of Smart Street Lighting 16:50 - IoT Supporting the Aging Population	16:10 - Developing a Smart Security Strategy 16:30 - Panel Discussion: Developing a Harmonised Cyber Security Framework	
17:00	17:15 - Networking Drinks				17:10 - Panel Discussion: Connected Technology as the Gateway to Improved Health Services	17:00 - Blockchain – the secure information exchange platform of the future?	

Smart Cities to Smart Regions – Connecting the Dots in Small and Medium-Size Cities

09:00 - 09:20

Keynotes

- What smart city initiatives can be deployed in less urbanized areas to improve quality of life and help development of new businesses
- How can 'smart region' ideas be hindered by connectivity issues? Is this a problem that can be seen in inner-city areas too?
- Are we going from a digital divide to a smart divide? And if so, what can be done to facilitate Smart Region developments?

Participants

Daniel Marco - Director, Smart Catalonia, Government of Catalonia

From Legacy Hardware to Network Virtualisation

09:20 - 09:40

Keynotes

- Repositioning and updating existing hardware to be able to facilitate digital technology
- Creating a partner ecosystem to enable evolution of systems and move away from outdated hardware
- Updating technology within financial limits – planning and strategizing a long term network virtualization plan

Connecting the City for the Citizens

09:40 - 10:00

Keynotes

- A smart city built on connected solutions is an amazing thing – but it is nothing without the connectivity needed to support it
- What existing city infrastructure can be used to help facilitate broader connectivity?
- What will the transition of 4 to 5G mean for cities? How will issues be addressed in rural areas?
- The benefits and cost implications of bringing Wi-Fi to public spaces

Participants

David Wilde - Chief Information Officer, Essex County Council

Stephen Canning - Cabinet Member - Digital Innovation, Essex County Council

Smart Cities Supported by Smart Infrastructure

10:00 - 10:30

Keynotes

- Weaving technology into the fabric of the city
- Making buildings 'smart'
- Ensuring technology is part of the future city blueprints

Break

10:30 - 11:00

Main agenda

Panel Discussion: Supporting Start Ups in Smart Cities

11:00 - 11:30

Innovation Spotlight

- The pivotal role of startups to drive forward Smart Cities
- Encouraging disruption
- How can public sector support new ideas and achievable growth?
- The role of accelerators and incubators

Participants

Panelist: Liz O'Driscoll - Head of Innovation, Exeter City Futures

Panelist: Raph Crouan - Managing Director & Founder, StartupBootcamp

Panelist: Raph Crouan - Managing Director & Founder, StartupBootcamp

Building a Citizen Innovation Culture that Drives Smart City Progress

11:30 - 11:50

Innovation Spotlight

- Examples from Tel-Aviv on how they have built and maintained an innovation culture that drives smart city progress
- How does the city continue to attract innovators?
- Transferring innovation – how Tel-Aviv is sharing its knowledge with the Czech Republic to help the ignition of a similar culture there

Participants

Rinat Guy - Chief Innovation Officer, Tel-Aviv Municipality

Project Kairos Start Up Showcase

11:50 - 12:30

Innovation Spotlight

International start-ups will take to the stage to demonstrate their innovative products, solutions and technologies which can help support smart cities.

Start Ups from different backgrounds will demonstrate solutions for verticals such as;

- Traffic management
- Parking
- Tourism Applications
- Mapping & public transport
- Waste management
- Health and wellness

Quick fire presentations will be followed by audience Q&A.

Panel Discussion: The Road to Tomorrow: Convergence of Electric, Smart, Connected & Autonomous Vehicles – Moving Towards a Future Mobility

11:00 - 11:20

Mobility & Transport

- What does the future of mobility look like?
- The rise of M-a-a-S and how its shaping the way we move in cities
- Charged up: The impact of electric cars on infrastructure
- How can cities facilitate, and benefit from V2i technology?

From Intelligent Transport Systems to Integrated Transport Services

11:20 - 11:40

Mobility & Transport

- Strategies to optimize public transport systems
- Integrating public transport systems and reinforcing with technology to give a better, smooth service for citizens
- Using data from roads, trains, buses (and planes!) to improve services city wide

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Easing Congestion and Improving Journeys with IoT Solutions

11:40 - 12:00
Mobility & Transport

- Using IoT solutions to monitor traffic and congestion to get a more accurate picture of road systems
- Detecting, and reacting to, incidents earlier for safer roads and smoother traffic flow
- Data to understand urban traffic patterns to support short and long term planning

Participants

Jorge Ordas Alonso - Head of Telematics Department for Mobility, Directorate General for Traffic, Government of Spain

Prioritising People Over Vehicles to Create Harmonised, Varied Transport Systems

12:10 - 12:30
Mobility & Transport

- Developing alternative transport systems to reduce strain on traffic systems
- Re-allocating street space to permit different forms of transport
- The future of mobility pods – what role will these take in a smart city? Will they enable a new demographic of mobile citizens?

Lunch

12:30 - 13:30
Main agenda

The Gigabit Society – What is it and why is it important to Cities?

13:30 - 13:50
Gigabit Society

- What is the definition of the Gigabit society
- How will it support the future connectivity aims of smart cities?
- The role of local government, regulators and investors in Gigabit initiatives
- Including the Gigabit agenda into policy making to secure investment and accelerate roll out

Participants

Ritchie Somerville - Innovation & Futures Manager, City of Edinburgh

Panel Discussion: Identifying the Business Case for High-Speed Fibre & Mobile Networks – Identifying Network Ownership and Operational Models

13:50 - 14:10
Gigabit Society

- How can ROI of Gigabit investment be proved?
- Why Europe cannot afford to continue to invest in technologies of the past
- Assessing the different investment models

The Role of High-Speed Fibre in Underpinning Gigabit Society

14:20 - 14:40
Gigabit Society

- What are the issues with current copper networks? Why should we move away from upgrading these?
- The advantages of Fiber or FTTH hardware to deliver consistent, widespread coverage
- South Korea, Japan & Singapore already have FTTH infrastructure – what can we learn from overseas and avoid falling behind

Panel Discussion: Positive Impact & Benefits of Next-Gen City Fibre Networks

14:40 - 15:40
Gigabit Society

- The Gigabit Society powering innovation and digitalization within industries
- What does this mean for both large and small businesses? Which sectors will benefit most?
- Long term implications for both the public and private sector

Panel Discussion: Developing a Smart City/ Smart Energy Strategy that increases efficiency and reduces costs

13:30 - 14:00
Sustainability, Energy & Resilience

- Building green into the agenda – ensuring that sustainability challenges are a priority
- Identifying long and short term benefits & business case of sustainability initiatives
- Public and private sector collaboration - What is the role of energy and utility companies in supporting this strategy?
- Empowering citizens with the knowledge of their own consumption

Energy City Frederikshavn - masterplan for renewable energy 2030

14:00 - 14:20
Sustainability, Energy & Resilience

This plan was decided by the local council in December 2014 – all the members voted yes. The transformation to 100 % green energy is private financed in a commercial way, and not funded by the municipality. The budget is 1 billion Euro and will create many new local jobs. The green transformation is based on a broad way of different actions, e.g district heating including surplus heat, biogas, wind power and energy reduction in buildings. There is a follow up every year. We are moving forward – but is it fast enough?

Participants

Poul Rask Nielsen - Project Director Energycity Frederikshavn, The Municipality of Frederikshavn

Tread Softly: Reducing Cities Carbon Footprints

14:20 - 15:20
Sustainability, Energy & Resilience

- Cities produce 60%+ of the world CO2 gases – a frank a look at what happens if this doesn't change
- The shift to renewable resources – what can cities begin to do to reduce their reliance on carbon
- Lessons learnt from around the world – who is leading the way in carbon reduction

Participants

Angela Murphy - Sustainability Strategy Team Leader, London Borough of Camden

IRL Fairytale – How a small municipality won the Smart City innovation award in Denmark.

14:40 - 15:00
Sustainability, Energy & Resilience

- The storyteller Hans Christian Anderson could not have written the story better. The chapters in the story from the municipality of Middelfart are:
 - How politicians can drive Innovation and Smart City projects.
 - What was the award winning "Smart Energy @ Home" project.
 - What are the perspectives for market up-take in the project.

Participants

Morten Westergaard - Head of Climate and Energy, Municipality of Middelfart, Denmark

Break

15:10 - 15:40
Main agenda

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The Future of Smart Cities – How do we Maintain Progress?

15:40 - 16:40

Keynotes

- The Smart City movement has serious momentum, but how is this maintained?
- Removing competitiveness between cities for funding and encouraging a more collaborative intercity/international culture
- Ensuring the scalability of projects – proving their worth beyond localized trials
- Increasing citizen engagement across the board – moving towards citizen centric design
- Other key considerations for continued, consistent progress

Closing Panel: Takeaways from Across the 2 Days

16:00 - 16:30

Keynotes

Headline speakers discuss key points and issues from the conference in an interactive discussion that includes panelists and the audience. An open and frank debate which pulls apart issues from across the 2 days.

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09:00				<p>09:00 - Smart Cities to Smart Regions – Connecting the Dots in Small and Medium-Size Cities</p> <p>09:20 - From Legacy Hardware to Network Virtualisation</p> <p>09:40 - Connecting the City for the Citizens</p>		
10:00	10:30 - Break			<p>10:00 - Smart Cities Supported by Smart Infrastructure</p>		
11:00			<p>11:00 - Panel Discussion: Supporting Start Ups in Smart Cities</p> <p>11:30 - Building a Citizen Innovation Culture that Drives Smart City Progress</p> <p>11:50 - Project Kairos Start Up Showcase</p>		<p>11:00 - Panel Discussion: The Road to Tomorrow: Convergence of Electric, Smart, Connected & Autonomous Vehicles – Moving Towards a Future Mobility</p> <p>11:20 - From Intelligent Transport Systems to Integrated Transport Services</p> <p>11:40 - Easing Congestion and Improving Journeys with IoT Solutions</p>	
12:00	12:30 - Lunch				<p>12:10 - Prioritising People Over Vehicles to Create Harmonised, Varied Transport Systems</p>	

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14:00		<p>14:20 - The Role of High-Speed Fibre in Underpinning Gigabit Society</p> <p>14:40 - Panel Discussion: Positive Impact & Benefits of Next-Gen City Fibre Networks</p>				<p>14:00 - Energy City Frederikshavn - masterplan for renewable energy 2030</p> <p>14:20 - Tread Softly: Reducing Cities Carbon Footprints</p> <p>14:40 - IRL Fairytale – How a small municipality won the Smart City innovation award in Denmark.</p>
15:00	15:10 - Break			15:40 - The Future of Smart Cities – How do we Maintain Progress?		
16:00				16:00 - Closing Panel: Takeaways from Across the 2 Days		