

2018 TECH Smart Cities Innovation Accelerator Dublin, Ireland

February 12–14, 2018



www.theinnovatorsforum.org

Convened by the Technology and Entrepreneurship Center at Harvard



About the Innovation Accelerators and Summits

The Strategic Innovation Accelerator and Summit series was created by Dr. Ricketts and the Technology and Entrepreneurship Center to enable multi-disciplinary discussions between senior leaders on relevant topics of the year. Unlike conventional, discipline-specific conferences, where topical content is narrow and participants are generally from the same discipline, the Accelerators and Summits bring together people from many sectors. These include government, business, education, non-profit, and the arts and sciences.

The goal is to create and stimulate conversation that would normally not take place elsewhere, between senior leaders on topics related to innovation and society.

The Accelerators and Summits provide three important benefits to participants:

1. **Education:** As experts in their fields, participants learn from one another through interactive sessions and dedicated talks. These aim to educate, raise important questions, and present the latest data on trends and the current state of the Accelerator/Summit topic.
2. **Multi-Disciplinary Engagement:** The Accelerators and Summits are sized so that even during the main session, a conversation can occur amongst all participants. Questions and answers are not only between the speakers but also the participants. Facilitators and moderators from HBS, TECH, and other centers are brought in to ensure engagement and to be a catalyst for the conversation.
3. **Action:** The ultimate goal of the Accelerators and Summits is impact. For this to happen, action is a critical component. The programs dedicate 25-50 percent of the time to action sessions with the participants. That format drives the discussion and ideas presented into an action set for both the participants and the broader community.

Attendance is by application only, and senior leaders from any discipline that is relevant to the topic are encouraged to apply. Summits are generally convened on the campus of Harvard University; however, off-campus Accelerators and Summits do occur when the topic and location enhance the opportunity for conversation and engagement of the participants.

Topics are proposed by participants, senior leaders in industry and government, and the Fellows in TECH. Topics are chosen based upon relevance and potential for impact in a broad sense, particularly those that include economic, societal, and environmental benefits.

For more information about the Strategic Innovation Accelerator and Summit series, please contact the Program Chair, Dr. David S. Ricketts (ricketts@seas.harvard.edu).



2018 Smart Cities Innovation Accelerator

*Join us in Dublin, Ireland
to move your city forward
with an actionable plan
developed with your peers.*

Technology has been the driving force of economies worldwide – but what about cities? Cities have to develop efficient operational models to provide services and infrastructure for their citizens; however, most services and infrastructure are built on a mixture of technologies that can span decades. Moreover, the rate at which cities have adopted new technologies has been historically slow, frequently with investments that are far out of balance with other important community needs.

Elected leaders are increasingly being asked about technology in the community such as residential broadband, how to welcome driverless cars, and how to embrace citizen-empowering health technologies. Citizens have come to expect rapid development and adoption of technology in their daily lives and in their businesses; they don't wish to see lines drawn between the enterprise and the community. For residents and visitors, the expectation is for the city to meet ever-escalating demands. How do cities innovate and leverage technology to not only provide the services citizens need but also to build a model that supports the rapid growth required to attract and sustain highly successful inhabitants?



The **2018 Smart Cities Innovation Accelerator** will help city strategic urban planners, chief innovation officers, technology officers, and economic development leaders establish strategies and an actionable digital plan. The 3-day program (Monday, Tuesday, and Wednesday) is a hands-on, immersion accelerator for your city's future where you will work alongside fellow city leaders, industrial experts, Harvard Fellows and researchers. Each day will focus on a specific level of your strategic plan.

The **2018 Smart Cities Innovation Accelerator** is co-developed by the Fellows from the Technology and Entrepreneurship Center at Harvard along with city leaders and industrial experts. We are excited that this Accelerator is co-hosted by the Smart Dublin Lead in Dublin City Council, and his team in the great city of Dublin. During the event, you will engage in informative case studies, peer-to-peer problem-solving sessions, and topical workshops designed to help you evaluate your current state and develop a plan to make your community an innovation leader for the future.

To ensure the learning and strategy translates directly into action, we invite two to three members from each city's strategic planning and technology team. This allows for the maximal transfer of knowledge, which will ensure that all aspects of your plan are considered. Our goal is to send each city home with a specific, actionable strategic digital plan for the future.

The **2018 Smart Cities Innovation Accelerator** is an application-only program for senior-most executives in the public sector, technology, start-up communities, and higher education. It will be held at the offices of Google, Accenture, and Facebook. Acceptance to the Accelerator is based on the proposed team and a nomination letter by the senior-elected official for that city.

Learn more about the Accelerator at:
<http://theinnovatorsforum.org>

Monday, February 12

16:00 – 18:00

Optional tours

- Tour of EPIC Ireland museum and Dogpatch Labs / Google for entrepreneurs

The CHQ Building, Custom House Quay, Dublin 1

18:30 – 20:30

Networking reception

Tuesday, February 13

08:00 – 09:00

Coffee & Registration

09:00 – 10:00

Smart Districts – a key enabler to a smart city?

10:00 – 10:30

Connectivity and IoT in smart districts

10:30 – 10:50

BREAK and move into working groups

10:50 – 11:40

Peer working group

We will work in small groups of 6-8 on four key questions that were posed in the two AM sessions.

11:40 – 12:00

Insight reporting

12:00 – 13:00

LUNCH - Collaborative Discussion in Small Groups

13:00 – 13:30	Microsoft/Accenture frameworks
13:30 – 14:30	The emerging data economy and city as a platform
14:30 – 15:00	Presentation on public safety and technology
15:00 – 16:00	BREAK and tour of smart police vehicles
16:15 – 17:00	Peer collaboration on public safety and technology
17:00 – 17:45	Best idea contest
17:45 – 18:30	Collaborative discussions
19:00 –	<i>Dinner at MV Cill Airne with Keynote</i>

Wednesday, February 14

08:00 – 09:00 *Coffee & Registration*

09:00 – 09:30 **Searching for insight – how to decode the value for our citizens**

09:30 – 10:30 **How to develop use cases and scale them**

10:30 – 10:50 **BREAK**

10:50 – 11:30 **Innovation programs: what works and what doesn't**

11:30 – 12:00 **Insight sharing: innovation programs and scaling**

12:00 – 13:00 **LUNCH** - Collaborative discussion in small groups

13:00 – 13:15 **Scaling globally: a global perspective on igniting innovation**

13:15 – 14:00 **Dublin declaration: a roadmap for success**

14:00 – 16:30 **City protocol meeting**
Private meeting

14:00 – 17:00

Site visit

- Microsoft Data Centre

17:00 – 19:00

Collaborative discussions

19:00 –

Dinner at The Boxty House (Optional)

ADJOURN



Accelerator Chair

Dr. David S. Ricketts Innovation Fellow, Technology and Entrepreneurship Center at Harvard

Dr. David S. Ricketts is an Innovation Fellow for the Technology and Entrepreneurship Center at Harvard. He received his PhD from Harvard University and has held appointments at Carnegie Mellon University, Harvard University, MIT and North Carolina State University. For the past decade, Dr. Ricketts has helped shape the Innovation in Science and Technology courses in the School of Engineering and Applied Sciences, in addition to his research on innovation and technology. In 2015, he started the Strategic Innovation Accelerator and Summit series to engage industry, non-profit, government, and other sectors regarding the role of entrepreneurship and innovation in business growth and their impact on society. He teaches and speaks regularly on innovation and business strategy. Dr. Ricketts' focus is on the role of the individual innovator, and he works with senior leaders to develop new innovators and systemic innovation in their companies.

In addition to Dr. Ricketts' innovation research, he is an award-winning scientist and engineer whose innovations have been featured by Popular Science, Smithsonian, NBC News, CBS News, Fox News, ESPN, and many other science news outlets. He is the recipient of the National Science Foundation CAREER Award and the U.S. Defense Advanced Projects Agency (DARPA) Young Investigator Award. His work has appeared twice in Nature, and he has numerous IEEE publications, including a feature article in the Proceedings of the IEEE.



Minouche Cramer Startup Officer/Programme Manager, City of Amsterdam

Startup Officer and Innovation Programme Manager. Responsible for collaboration between startups (new technologies) and the City, contact person for startups. Researching new forms of collaboration and cocreation, also in the field of innovative procurement (new procurement models).



Ayse Er Advisor, Municipality of Amsterdam

Legal Counsel at Municipality of Amsterdam and specifically 'Startup in Residence'. Guiding and providing legal advice on public procurement procedures. Experience in providing and executing policy advice on building and maintaining a startup-ecosystem in Amsterdam.

<https://startupinresidence.com/>



Frans-Anton Vermast Strategy Advisor and Smart City Ambassador, Amsterdam Smart City

Since 2008 Frans-Anton Vermast MBA (1969) is Senior Strategy Advisor & Smart City Ambassador bij Amsterdam Smart City. He is an expert in searching for the opportunities of novel appliances and services that make cities a more habitable place for its citizens to live, work and play pleasantly. Furthermore, he specialises in developing Smart Cities as open and user centric innovative platforms as well as holistic and cross silo approaches through collaborative bottom up approaches and citizens engagement. Apart from best and next practises Mr Vermast is not afraid to share some failures and lessons learned to prevent other cities making the same mistakes. Mr Vermast has extensive Dutch, European and global knowledge and experience in facilitating the participation of local governments, municipalities and communities in these initiatives. From this role Mr Vermast is active in several roles within CityProtocol.org.

www.amsterdamsmartcity.com



Kirk Talbott Deputy CIO/ Executive Director Smart City Program, City of Atlanta

Deputy CIO for the City of Atlanta, Georgia. Responsible for all technology and information strategy, planning, implementation, integration and support for the citizen facing departments of the City. Service lines include Department of Public Works, Department of Parks and Recreation, Department of Planning and Community Development, 311 and multiple divisions within the Mayor's Office. Developed first generation data strategy for the city to include Open Data, Data Privacy, Smart City Data Management and Analytics. Merged IT operations from 19 disparate city departments and offices into a streamlined shared service model provided by the centralized IT department. Created a proactive demand funnel process for system enhancements and technology acquisitions across 19 lines of business for the city. Heavy emphasis placed on security improvements and digitalization of city services to constituents of the city. Stabilized and hardened significant portions of the city's application portfolio while realizing a 13% reduction in the annual technology budget.

<https://www.linkedin.com/in/kirktalbott/>

Belfast - Bristol



Deborah Colville Innovation and Smart Cities Portfolio Manager, Belfast City Council

Deborah has lead on the development of the Belfast Smart City Framework to support urban innovation and help deliver the Vision for Belfast. She is currently implementing a wide range of initiatives to foster the conditions for greater collaborative innovation between public, private, academic and community organisations. She is overseeing a diverse range of innovation programmes and projects working with Private sector, Public Sector and Universities using technology and data analytics to bring about improvements to the working, living and visitor experience in Belfast. In partnership with the Dept. for the Economy in NI, Deborah established a new immersive tech innovation lab to support the NI Digital Catapult programme. With 35 years' experience in local government she has extensive experience managing the implementation and support of ICT systems across council departments within both BCC and a range of public sector bodies. As a member of the senior management team she was previously responsible for the development of digital strategies for Belfast City Council departments and the delivery of service transformation programmes enabled by cutting edge technologies.



Mark McCann Business Research and Development Manager, Belfast City Council

Business research and development manager at Belfast City Council working on the development and implementation of the Smart Belfast programme. Background in urban regeneration, area planning, community development and post-conflict planning.

www.belfastcity.gov.uk/smartbelfast



Craig Cheney Deputy Mayor - Including City Innovation, Bristol City Council

Craig was elected ward councillor for the Hillfields area of Bristol in May 2015 and was appointed by Mayor Marvin Rees to the Cabinet in May 2016. He was created Deputy Mayor in 2017 and leads on Finance, Governance and Performance and Bristol's City Innovation Programme. Craig is a director of the Bristol Museums Development Trust and has over fifteen years experience working in the Financial Services industry.

www.bristol.gov.uk



Alex Minshull City Innovation and Sustainability Manager, Bristol City Council

Alex leads Bristol City Council's City Innovation and Sustainability Service. He is passionate about how technology can improve the lives of citizens and create a more sustainable city.

www.bristol.gov.uk



Heather Saxton Programme Manager, City Innovation, Bristol City Council

Heather Saxton is City Innovation Programme Manager at Bristol City Council. She leads project delivery and oversees the strategic management of a number of large, multi-partner technology innovation projects, delivered often in partnership with the public sector, private sector and community partners. Work focusses on exploring how we can improve Bristol's future by piloting and testing new technology which can help to achieve the needs of the city and its citizens - including future transport, energy, open data, digital connectivity and digital skills.

<http://www.connectingbristol.org/>



Ivan Monforte Chief of Staff - Secretary of Telecommunications, Cybersecurity and Digital Society, Government of Catalonia

Chief of Staff of the Secretary of Telecommunications, Cybersecurity and Digital Society of the Government of Catalonia since 2015. Previously at Directorate General of Telecommunications and Information Society since 2012.



Jordi Puigneró Secretary of Telecommunications, Cybersecurity and Digital Society, Government of Catalonia

He has a degree and master in Information Systems Engineering from the University of Surrey (England). He began his professional career in the IT Department of Deutsche Bank in Frankfurt, where he worked as an analyst-programmer from 1997 to 2000, before moving to IBM in Barcelona, where he worked as a senior consultant and head of IT projects and new technologies from 2000 to 2003. In 2003 he joined Sant Cugat del Vall's Town Council as chief of staff to the mayor, becoming later vice-mayor for Technology and Innovation of the local government up to 2013 when he was appointed IT Director General of the Catalan Government. He is currently the Secretary of Telecommunications, Cybersecurity and Digital Society of the Government of Catalonia.



Jamie Cudden Smart City Program Manager, Dublin City Council

Jamie leads Dublin City Council's Smart City programme and rollout of the "Smart Dublin" initiative. His work cuts across the public and private sectors where he builds out new opportunities to deploy smart city solutions and demonstrators. He represents Dublin on leading global industry and smart city alliances and is the current President of the City Protocol Society. Jamie holds a science degree from Trinity College Dublin and a Masters in Geographic Information Science (GIS) from University College London. He previously worked in analyst and GIS roles with the Home Office, Met Police and Jill Dando Institute of Crime Science. He is the current Chairman with ECO-UNESCO, a leading Irish environmental education charity that works with young people across Ireland.

www.smartdublin.ie

Dublin



Chris Garde Smart City Planner, Smart Dublin, Dublin City Council

Chris Garde, Smart City Planner, Smart Dublin, Dublin City Council. Chris has a passion for evidence based planning. He brings traditional City Planning, GIS and Data Analytics closer together through Smart Dublin's championing of real-world projects. Smart Dublin provides a platform to test-bed innovative and pragmatic solutions to planning related issues facing Dublin's city region inter alia; housing, drainage, waste management, transport and connectivity.

<https://www.linkedin.com/in/chrisgarde/>



Michael Guerin Project Manager, Smart Docklands

Michael is Project Manager of Dublin's Smart City Testbed - Smart Docklands - a new initiative of Smart Dublin which aims to make Dublin's Docklands the most connected district in the world. He is also a Project Manager for Pervasive Nation - Ireland's IoT Testbed - which is based on Low Power Wide Area (LPWA) networking technology.



Taja Naidoo Design Strategist, Smart Dublin

Taja is Lead Design Strategist on the Smart Dublin Team, having joined the team in January 2018. Prior to that, she worked with Innovation Hangar in San Francisco for two years on several projects including building a Start-Up Incubator and collaborating with Verizon, PG&E and the City of San Francisco on Public Smart Cities exhibitions. Taja's background is in Project Management, Service Design and Social Innovation, and she brings a wealth of experience in Community Engagement and 'Design Thinking' to tackling the problems of cities. As an example of this, in 2015 Taja was the Lead Design Coordinator for the Irish Architecture Foundation on a Public Realm project in Ballyfermot, Dublin, which involved the creation of an extensive Participatory Design process involving multiple stakeholders. This project has been recognized as a 'best practice' example of Community Engagement by the University of Limerick and The European Research Council.

<http://smartdublin.ie>



Zaira Rivera Smart Dublin Regional Coordinator, Smart Dublin

Zaira is the Regional Coordinator for Smart Dublin. She manages and supports a portfolio of smart city projects and also manages Smart Dublin's promotion. She has a diverse experience in local government having worked in international relations, corporate communications, and also The Studio, the first innovation hub in Dublin City Council. She holds a BA in Media and Communications, a MSc in Sustainable Development and a MSc in Marketing.

www.smartdublin.ie



Olha Bondarenko Strategic Advisor, Municipality of Eindhoven

Strategic advisor to the CIO, municipality of Eindhoven, the Netherlands.



Ran Haase City of Eindhoven

Living and working in Eindhoven, center of the Brainport Region. I work for the Eindhoven municipality on smart society projects. Legal background with special interest in platforms, data and innovation.



Niels Wiersma Senior Business Consultant, Municipality of Eindhoven

Niels Wiersma is an experienced Senior Business Consultant with a demonstrated history of working in the Public Sector. He is skilled in innovating the Public Sector, Information Management, Data Governance and Smart City Strategy. Strong consulting professional with a Master of Science (MSc) in Business Process Management and IT. Preparing the administration of the Smartest Region of Europe to lead adoption of IoT, blockchain, big, open and linked data and AI in the public sector.



Tom Broeks Ghent Living Lab Coordinator, City of Ghent

Tom started working for the City of Ghent 5 years ago as a deputy to the Strategic Coordinator. He is now working with the Strategic Coordinator on the City of People project, creating a different kind of “smart city” for Ghent, and he is coordinating Ghent Living Lab. Under his coordination, Ghent Living Lab is moving from the original “digital” orientation to a urban living lab with focus on societal challenges and the social or technological innovations to solve them. Ghent Living Lab brings together the quadruple helix partners to co-create these solutions. The main areas covered are mobility, living and livability, health and climate neutrality.

<https://stad.gent/international>

Ghent - Greenwich



Karl-Filip Coenegrachts Chief Strategy Officer, City of Ghent

Karl-Filip Coenegrachts is Master of Laws, specialized in European Law. From 1997 to 2000 he worked for the Belgian Ministry of Justice as co-ordinator for the European Union and Schengen. In 2001 he started in Ghent as advisor to the Vice Mayor responsible for personnel and IT. In that capacity he co-founded Digipolis, the intermunicipal organisation for ICT for the cities of Ghent and Antwerp, and Gentinfo, the first local citizen service centre in Europe. In 2004 he became head of Department of Strategy and International Relations of the City of Ghent and Chief Strategy Officer in 2015. His responsibilities include the long term strategy of Ghent including the implementation of horizontal policies, smart city/citizen strategy, data and information management, international relations, policy participation and European funding programmes. He is currently also Ghent representative and President of the Executive Committee of Eurocities.

<http://stad.gent>



Gert Pauwels Deputy to the CSO, City of Ghent

Gert Pauwels is deputy to the chief strategy officer of the city of Ghent, currently driving a program preparing the city for the challenges in 2040. Gert is also responsible for managing the cities' strategic project portfolio. Prior to joining the city of Ghent, Gert worked as an advisory manager for Ernst & Young, leading innovation projects for a Belgian railroad company to improve the company's service design and delivery. Gert holds a master degree in law from the Ghent University.

<https://stad.gent/ghent-international>



Paul Copping Chief Innovation Officer, Digital Greenwich

Paul Copping is Chief Innovation Officer at Digital Greenwich, serving the Royal Borough of Greenwich, population 270,000. His role is to engage with industrial partners to deploy integrated technology solutions that will result in more innovative, agile and cheaper services for Greenwich citizens. Paul is currently working on connected and autonomous vehicles; 5G wireless; and a collaborative smart city procurement framework. Paul has an MBA in Marketing from Cass Business School and an MA in Spanish and French from the University of Cambridge. His earlier career background is in telecoms (Nortel, BT) and mobility (Transport Research Laboratory) with a focus on corporate development and innovation management. He is a Director of the City Protocol Society and the Chairman of "City Digital Profile" a new Industry Specification Group at the European Telecommunications Standards Institute.

www.digitalgreenwich.com



John Davies Senior Cities Advisor, Digital Greenwich Cities Limited

An experienced professional with expertise in delivering success and growth for large corporates and SME's alike. An in depth understanding of the business start-up and scale-up scene, from idea, through incubation to go to market strategies, relishing the challenges associated with both mature and entrepreneurial businesses across global markets using both analytical as well as intuitive skills combined with sound commercial judgement. Undertaken a unique mix of strategic and operational roles with placements in the USA, Europe and Asia, gaining a thorough understanding of how to achieve profitable growth and successfully manage across cultural and national borders. My current private sector work is helping business start-ups and scale-ups in the UK and internationally develop business, source technology and find global partners as well as provide due diligence in areas of M&A and funding needs.

<http://www.digitalgreenwich.com/dg-cities/>



Steve Hunt Senior Advisor, Digital Greenwich

Senior Advisor with Digital Greenwich Steve is a public policy expert with 20 years experience in the field of Sustainability and Smart Cities. He has a particular interest in the socio-economic impacts and applications of next generation telecoms. He has worked at all levels of Government in the UK - in Whitehall for the Department of Digital, Culture, Media and Sport; He also led Edinburgh's SMART Super-Connected City Programme. Steve also has a background in Strategic Environmental Assessment (where he served as Scottish national lead on assessment of public strategies from 2005-2007). He acted as environmental advisor for Scottish European Structural Funds, led Scotland's Sustainable Tourism Strategy and had a stint as Officer responsible for management of the River Tweed. He holds a Masters in Public Policy and Postgraduate diplomas in Public Commissioning and Environmental Assessment.



Brian Benjamin Head of Smart The Hague, Municipality of The Hague

My assignment as Program Manager Smart City The Hague is threefold. 1. It starts with the monitoring of new developments and getting them on the city agenda. 2. Seek and enter alliances with parties outside the municipality that help drive our Smart City Agenda 3. Develop programs that ensure that innovation really takes shape and finds a place in the city Brian has held different positions in his professional career including, Councilman of the City Amsterdam where he was Responsible for ICT, Sport & Healthcare and Chairman of the City Council Committee Spatial Planning, Building & Housing and Climate. Brian also has a solid (IT) background based on 15 years of experience gained in various Sales positions held at IBM, Oracle and Microsoft.

<https://futureproofthehague.com>



Hedwig Miessen Program Manager, City of The Hague

Program Manager Urban Data Center, CIO Office, City of The Hague ISO37120 for development of sustainable communities. Sustainable Development Goals.

<http://www.dataforcities.org/>



Eline Van Staalduinen Policy Advisor, City of The Hague

Policy advisor for the public space at the city of The Hague and involved with the program for the Central Innovation District. MSc in Architecture, urbanism and building sciences from TU Delft. MSc City management and development from Erasmus university Rotterdam. Architect, LEED AP en CNU-A, active in the United States until 2015.

Ireland - Leeds - Limerick



Stephen Brennan Chief Digital Advisor, Government of Ireland

Dr. Stephen Brennan is the Chief Digital Advisor to the Irish Government. He is the author of Ireland's National Digital Strategy. His passion is the application of digital technology and data to drive innovation and solve big challenges. He is the member of the Irish Governments retail forum and the EU commission member states board on digital entrepreneurship.



Stephen Blackburn Data and Innovation Manager, Leeds City Council

Stephen has worked for the council for over 13 years in a variety of information governance roles and been in his current role for over 4 years. Heading up Leeds Data Mill from its inception and overseeing the re-brand to Data Mill North, Stephen has led the way in promoting open data across the council and with external partners across the city. He also leads on the council's Innovation Labs where developers and other stakeholders come together to re-use open data to create new and innovative services. Stephen's role has recently broadened to include other smart city work.

www.datamillnorth.org



Jack Rigby Leeds City Council

Working as part of Leeds City Council's Smart Cities Team I've worked across sectors to deliver products using open data. As an IT Business Partner I work closely with our directorates to identify solutions that better enable connected, smart services.

datamillnorth.org



Mihai Bilauca Head of Digital Strategy & EU Programmes, Limerick City & County Council

Dr. Mihai Bilauca is leading the development of Limerick's Digital Strategy which aims to lay the foundation for a Sustainable Smart Limerick City Region and Communities. Having worked for Limerick for over 15 years Mihai is now heading the Digital Strategy and EU Programmes departments in Limerick City & County Council. Mihai worked in various roles in the ICT Management for UPC Romania, Head of ICT and the Senior Change Management Team with Limerick City & County Council. Mihai received a Master of Science (M.Sc.) and Doctor of Philosophy (Ph.D.) from University of Limerick, Ireland and the software engineering degree from Stefan cel Mare University of Suceava, Romania.

<https://www.limerick.ie/>

Liverpool - Milton Keynes - Moscow



Paul Morrissey Chairman, Smart Liverpool Limited

Paul is the Global Ambassador for the Forum with responsibility for Big Data Analytics and Customer Experience Management he is also currently the Head of the Data Analytics & Cx Group at TM Forum he also sits on the 'Smart Cities', 'IoT' and '5G' working groups for TM Forum. Paul is also helping to construct the Global Data Analytics standard for Smart Cities at TM Forum. In 2010 he was awarded a Professorship by the School of Mathematics and Computing at Liverpool John Moores University in the UK for work surrounding University technology spin-out companies in the Big Data Environment. He is a Fellow of the Institute of Engineering and Technology (IET UK) and a sought after Global speaker on the International conference circuit.



James Noakes Assistant Mayor for Energy and Smart City, Liverpool City Council

Cllr James Noakes is the Assistant Mayor for Energy and Smart City on Liverpool City Council. He leads politically and works directly to the Mayor of Liverpool on encouraging investment in low carbon and renewable energy and developing a networked city; creating a Liverpool which is an exciting place for current and next-generation businesses and residents to invest, locate and live in, including addressing social issues with smart solutions. James' professional life is an environmental consultant working on energy, environmental impact, sustainable food and climate change issues, with over 16 years experience in the field. His work then focused on broader climate change and environmental issues and policy development as well as Environmental Impact Assessment, Strategic Environmental Assessment and Sustainability Appraisal. James is a Practitioner Member of the Institute of Environmental Management and Assessment and is currently completing an MSc.

www.liverpool.gov.uk



Brian Matthews Head of Transport Innovation, Milton Keynes Council

Brian is Head of Transport Innovation at Milton Keynes Council. In this role Brian leads on smart city transport applications for the city and has developed and implemented a number of projects including the self-driving vehicle demonstration, including city centre autonomous PODs within Central MK. Introduction of city scale EV charging infrastructure and Smart data Hubs to disseminate data to influence different forms of travel behaviour. Shaping the demonstrations/programmes to address real city challenges is a key focus for MK, and understanding how they support the wider smart city ambition Milton Keynes an important facet of current activity.

www.Milton-Keynes.gov.uk/



Andrey Belozarov Strategy and Innovations Advisor to CIO of Moscow, IT Department Moscow City Government

Andrey is a lifelong technology executive with deep expertise in delivering innovations in both governmental and commercial sectors.

<https://www.linkedin.com/in/andrey-belozarov/>

Moscow - Paris



Eldar Tuzmukhametov Head of Smart City Lab, IT Department Moscow City Government

Eldar is responsible for search and implementation of innovative technologies and smart management practices in Russia's capital city.

<https://www.linkedin.com/in/tuzmukhametov/>



Faustine Bidaud Climate & Innovation Manager, International Relations Department, City of Paris

Faustine Bidaud, a major in international affairs and geopolitics from Science Po Institute, joined the International Relations Department (DGRI) of the City of Paris in 2016. She previously worked for several NGOs in the field of human rights and sustainable development, always focusing on advocacy and international affairs. In November 2016, she was a staff member involved in the organization of the "Cities for Life" summit, an international event held in Paris which gathered Mayors, CEOs, start-ups, international networks to discuss inclusive, innovative and resilient cities. She is now in charge of climate and innovation at the DGRI.



Pierre Musseau Advisor, City of Paris

I work in the staff of the Deputy Mayor of Paris in charge of urban planning, architecture, attractiveness and the Greater Paris projects. I advise the Deputy Mayor on smart and sustainable city topics, especially on smart grids, connected mobility, circular economy. I worked previously in the French agency for energy efficiency and environment.



Sabine Romon Chief Smart City Officer, City of Paris

After having been director of experimentation at Paris & Co, the Paris Innovation and Attractiveness Agency, she is Chief Smart City Officer at the General Secretariat of the City of Paris, the role of the smart city mission is to accompany the city's management and elected representatives in the implementation of the strategic plan "Intelligent and Sustainable Paris."



Rob Lloyd CIO, City of San Jose

Rob Lloyd is CIO for the City of San Jose, California, directing the diverse civic technology portfolio for the nation's tenth largest municipality. The City organization consists of 6,600 employees and carries a \$3.5 billion total budget, all serving over one million residents in the heart of Silicon Valley. The City's quest: To be as innovative as the community we serve. Over two decades, Rob has held C-level roles in the technology, government, and utilities sectors in California, Arizona, Oregon, and Colorado. His teams have earned over 20 national awards for customer engagement, attaining operational excellence through technology, and for innovative programs.

<http://www.sanjoseca.gov>



Adi Barel Director of Global Economic Development, Tel Aviv Global- Mayor's Office



Shana Krakowski Director of the Platform, Tel Aviv Global- Mayor's Office

Shana Krakowski is the Director of the "the Platform" an Urban Innovation center run by the Municipality of Tel Aviv aimed at solving Urban challenges for the city. The center connects entrepreneurs to city officials in order to implement smart city solutions to social challenges. Shana holds a BA in Social Work from Bar Ilan University and a Masters in Public Policy from Tel Aviv University. Shana was most recently the CEO of Microfy a microfinance organization aimed developing entrepreneurship among Refugees and underprivileged populations in Israel. Previously Shana served as the Director of recruitment and employment for the Israel Brain Gain Program in the Ministry of Economy and has worked in various roles in the field of employment for governmental and non-governmental organizations.



Kari Aina Eik Secretary General, OiER

Kari Aina Eik is the Secretary General, of the Organization for International Economic Relations – OiER with headquarter in Vienna, Austria. She is the Coordinator of the USC (United Smart Cities) program www.unitedsmartcities.org and the Co-Chair of U4SSC, United for Smart Sustainable Cities, and the leader of its new finance group, a global integrated UN initiative on Smart Sustainable Cities. Previously, she has been working 20 years for various UN agencies.

www.oier.pro

Zaragoza



Daniel Sarasa Urban Innovation Planner, Zaragoza City Council

Daniel Sarasa is co-editor at openyourcity.com and Urban Innovation Program Mgr at Zaragoza City Council, where he has planned and deployed projects such as the municipal wireless networks, or the ecosystem of public start-up incubators. Daniel is one of the core team members that launched “Etopia. Center for Arts and Technology” in 2013, where he nowadays leads its Open Urban Lab, the co-creation lab of the Smart City. He co-authored “Zaragoza’s Open Government Strategy 2012-2015. Towards a Smart Citizenship” (Zaragoza’s digital agenda). Daniel holds a Master in Telecommunications Engineering and a Master in City Sciences.

www.openyourcity.com/author/daniel



Michael Burns Smart Campus Development Manager, University of Glasgow

Project Manager for the design, development and deployment of smart infrastructure as part of Glasgow University's campus development programme - creating a new urban district in a historic city quarter.

www.glasgow.ac.uk



Caroline Creamer Facilitator, All Ireland Smart Cities Forum

Ms. Caroline Creamer is Facilitator of the All Ireland Smart Cities Forum and a Research Fellow with the National Institute for Regional and Spatial Analysis (NIRSA) at Maynooth University Social Sciences Institute. A qualified town planner, Caroline has for the past 18 years worked in a research and management capacity on a number of EU funded projects in the areas of urban regeneration, spatial planning and multi-level governance. Caroline's research interests include spatial planning practice and policy, citizen engagement, place-making practices and processes of collaborative networking.

<http://www.smartcitiesireland.org/>



Brian Donnellan Vice President, Maynooth University

Brian Donnellan is Vice President, Dean of International Affairs in the Maynooth University and Professor of Management Information Systems in the university's business school. He is Co-Principal Investigator at the Irish Software Research Centre and Funded Investigator in other national research centres. He is currently Chairman of the All-Ireland Smart Cities Forum. He is an expert evaluator for the European Commission and has been guest and associate editor of several leading IS journals including Journal of IT, Journal of Strategic Information Systems and MIS Quarterly. Prior to becoming an academic he spent 20 years working in the IT industry, specializing in Information Systems for Innovation and New Product Development.



Alan Fletcher Deputy Director - CityLabs, Knowledge Media Institute, The Open University

Alan Fletcher is a member of the MK:Smart executive and the Deputy Director of CityLabs. Both of these Milton Keynes based projects focus on innovation through the collaboration of research and industry and place data at the heart of smart city strategy. Alan has represented MK at global conferences and is active in a number of initiatives that consider the development of Smart Regions. Alan is working with the IIRC technology lead to investigate the potential impact of Integrated Reporting in smart regions.

mksmart.org.uk

Academia & Non-Profit



Ken Finnegan CTO, IDA

Ken Finnegan is Chief Technologist with Ireland's state agency (IDA Ireland, Technology) for foreign direct investment and economic industrial development. Areas of focus include: Smart Cities, IoT, Data, A.I. Microelectronics, Cloud and more.

www.idaireland.com.html

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Solomon Salinas Managing Director, Global Smart Cities Lead, Accenture

Sol Salinas is the Global Leader of Accenture's Smart Cities practice and a North America Sustainability Practice Leader. He is responsible for the development and maintenance of a global Smart Cities offering and alliances with global Internet of Things (IoT) providers. He is involved with and often directly oversees the work of multi-disciplinary teams supporting Accenture's work in smart cities and campuses across North America and throughout the world..



Miguel Sossa Industry X.0 Business Director of Accenture's Innovation Center, Accenture

Miguel is the Director of Industry X.0 at Accenture's Innovation Center, The Dock. He has 15+ years of experience enabling positive social impact across industries. He is currently a leader in Accenture Digital's Smart City and IoT (Internet of Things) practice. In this role, he works closely with Fortune 100 clients and public officials worldwide, leading teams to develop innovative solutions to challenging problems..

<https://www.youtube.com/watch?v=nq3CFFcaCnw>



Frazier McKimm Director of Sales & Marketing, Dense Air Ireland

Worked in the telecommunications industry for over 25 years and with Dense Air's founding company, Airspan, since 1998.

www.airspan.com



Paul Senior CEO, Dense Air Ireland

CEO of Dense Air Ireland - new 3.5 GHz spectrum owner targeting Neutral Host 4G and 5G networks for mobile operators and other service providers.

www.denseair.net

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Emily Keller Technical Program Manager, Google

Emily Keller is a Technical Program Manager in Google Cloud's Geo team. She's worked with some of the world's largest ride-sharing, tourism, and telecom companies, helping them to incorporate location awareness to transform their businesses. She's now focusing on Google's effort to help cities make data-backed mobility decisions; improving infrastructure, optimizing budgets, and giving citizens safer and faster travel experiences.



Andrew Hawkins Senior Director, Local & Regional Government, EMEA Region, Microsoft Corporation

Dr. Andrew Hawkins is responsible for Microsoft's EMEA Local & Regional Government business. He is based in Manchester, UK, reporting into the Worldwide Industry Group. Prior to this, he was based at Microsoft's Corporate HQ in Redmond, USA where he held the position of interim General Manager for the Worldwide Public Safety and National Security Group. Over the past twenty-five years, Hawkins has held senior and management sales, product, research and marketing roles within Microsoft, at UK, Europe, EMEA and Worldwide Levels. Hawkins has three decades public-sector expertise, having spent significant time working internationally with supranational, national, regional and local governmental organisations around the world. Hawkins currently has a voluntary advisory board role on Caring London, as well as being an advisory board member of EENA. Furthermore, he worked on various European Union and United Nations special assignments in relation to combating cross-border crime, digital cities, e-government, social inclusion and humanitarian aid. He holds a PhD in Marketing (Knowledge Circulation) and has an honorary teaching fellowship at Lancaster University.

<https://enterprise.microsoft.com/en-us/industries/citynext/>



Kieran McCorry National Technology Officer, Microsoft Ireland

Kieran has over 26 years' experience in the technology industry and is the National Technology Officer for Microsoft Ireland, where his role is to help the Public Sector pursue their national priorities by engendering trust, technology vision, strategic alignment, business model, business practices, and policy guidance. Prior to this he was WW Director of Technology Programs at DXC Technology and Hewlett Packard Enterprise. Previously, Kieran worked with Hewlett Packard, Compaq, and Digital Equipment Corporation where he worked with many of the world's largest companies across almost every vertical industry. He has a broad range of technical interest including collaboration, social media, analytics, mobility, privacy, and the Internet of Things. He is a frequent speaker at worldwide conferences and has been a regular contributor to various industry publications. All in all, he has presented at over 100 international conferences and has authored more than 50 papers for journals and magazines. He is author of four books on messaging technology and has over 10 patents pending. Kieran holds two undergraduate degrees, one in Computer Science and one in Law, as well as an LLM in Corporate Governance Law.



Trudy Norris-Grey MD, Business Development, Microsoft

Global leader for Microsoft CityNext where we are keen to delight customers with our added value offers today and in the future, and to partner with them - and thereby deliver against their stated and desired outcomes - over both the short- and longer-term.



Kirsten Walker Global Partner Development Manager, Microsoft

Kirsten Walker is a Global Alliance Manager with Microsoft. She is responsible for the business relationship with Accenture and Avanade, primarily focusing on joint technology initiatives that utilize IoT, Artificial Intelligence, Data Analytics and Blockchain solutions, across all industries. Kirsten is based in the Washington DC region.

Expert Partners Arup- Fraunhofer IAO - Lero



Lean Doody Associate Director, Smart Cities Leader, Arup

Lean Doody leads Arup's consulting work on smart cities. Her clients include city and national governments, industry and urban developments. Recent project work includes strategy and policy work for the British, Danish and Singaporean governments, the Greater London Authority, Sydney, Canberra and major masterplanning projects in Dubai and Qatar. She was a member of the advisory board for the British Standards Institute key smart cities standards. Current projects include acting as an advisor to the Cambridge University Centre for Smart Infrastructure and Construction on establishing a programme on Digital Cities for Change, as well as advising the Greater London Authority on the scope and feasibility of a London Office for Technology and Innovation.

<https://www.arup.com/expertise/industry/cities>



Petr Suska Senior Project Manager, Fraunhofer IAO

Currently working at the Fraunhofer IAO in a role of a senior project manager. My background is in economics and political science. I currently manage projects with a variety of cities with a focus on the holistic value of urban data.



Alanus von Radecki Head of Urban Governance Innovation, Fraunhofer IAO

As head of Urban Governance Innovation at Fraunhofer IAO Alanus coordinates the Fraunhofer Morgenstadt / City of the Future Initiative and supports more than 30 cities across Europe in governing Smart City investments and innovation projects. Alanus is also co-founder of the Smart City marketplace BABLE at www.bable-smartcities.eu.

www.morgenstadt.de/en



Niall Connolly Research Fellow, Lero

Niall is a research fellow with Lero, the Irish Software Research Centre. Niall's work is centred on how technology can be sustainably implemented, particularly in urban settings. This includes strategic alignment with city goals; how complex technology enabled services should be governed; and what are appropriate business models for such systems. Niall is currently working with the cities in Ireland, supporting their effort to implement digital strategies.

www.lero.ie



Mark Stileman Thought Leadership Manager, Ordnance Survey

Mark's background is Geography and GIS, which has led him through previous lives in consulting engineering and mapping Bermuda (someone had to do it) before arriving at Ordnance Survey 18 ago, where he has held a variety of roles. He is currently responsible for thought leadership within OS's Smart Practice.

<https://www.ordnancesurvey.co.uk/business-and-government/smart>



Julie Alexander Director of Urban Development & Smart Cities, Siemens

Julie is a Director for Urban Development and leads on the Smart Cities sector for Siemens. With her global remit working with cities around the world, she is responsible for engaging with cities to showcase the role of infrastructure and integrated technological solutions in urban development. Her recent book *Smart Cities: Cities in the Digital Age*, illustrates the importance of digitalization in the field of critical infrastructure. Her latest research on *The Business Case for Smart Cities: Infrastructure Investment* has drawn global attention with its unique methodology on business case development for cities. Particular areas of specialism include the financing and funding of urban infrastructure through the use of innovate mechanisms and value capture. On this topic, Julie co-authored the report - "Investor Ready Cities" in conjunction with PwC and BLP Law. Julie also specialises in urban masterplanning, and digital enablement. Julie is a member of the Smart London Board, Institute for Future Cities Board and Urban Living Partnership Advisory Board. She also supports Innovate UK in the review process for the Future Cities Catapult.

<https://www.siemens.com/global/en/home.html>



Stan Schultes Innovation Architect, Spark Growth

Stan Schultes is co-founder of Spark Growth global growth consultants, and an expert in Strategic Doing, an agile and action-centric protocol for rapid development and implementation of strategies across organizations and sectors. His current development work is focused on Smart Cities initiatives and building Innovation Districts in cool places. Stan has a passion for creating community engagement between entrepreneurs, investors, and educational resources, and helping early stage companies grow. He is co-founder of the Spark Growth Leader Exchange, which annually convenes thought leaders from around the world, and he works actively across a broad range of community and civic groups where he lives in Florida. Stan is certified by InBIA in Business Incubator Management, internationally recognized as a technology expert, and has earned the coveted Microsoft MVP award since 2004. As an entrepreneur and professional technologist, he has led teams from the Fortune 200 to stewardship of several startups.

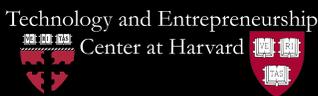
<http://sparkgrowth.net>



Lorcan Burke Chairperson, Thinksmarter

Lorcan has started and run small and large companies in technology and worked for large corporations over 25 years. Formerly Global CTO for Mobility in Cisco, he is now part of the founding team for Thinksmarter, who are driving transformation in smart spaces like Dublin and Barcelona with big data and footfall and flow analysis.

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The Technology and Entrepreneurship Center at Harvard (TECH)

hosts the 2018 Smart Cities Innovation Accelerator. TECH, part of the Harvard School of Engineering and Applied Sciences, is both a real and virtual space for students, faculty, alumni, and industry leaders to learn together, collaborate, and innovate. TECH enables this holistic exploration by sponsoring and supporting opportunities for the innovation community to gather and exchange knowledge via courses, study groups, mentorship relationships, innovation programs and special events. Find more information at www.tech.seas.harvard.edu

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www.theinnovatorsforum.org