FINAL REPORT
Meeting of the Minds 2013

SPOTLIGHTING INNOVATIONS IN urban sustainability & connected technology

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An initiative of Urban Age Institute
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Since it was founded in 1999, Urban Age Institute (UAI) has been dedicated to a singular proposition: bring together a carefully chosen set of urban sustainability and technology stakeholders and gather them around a common platform in ways that help build lasting alliances. UAI believes that such a platform is a vital ingredient for smart, sustainable and equitable urban (re)development strategies.

Urban Age Magazine was founded inside the World Bank in 1991, and spun off in 1999 as an independent non-profit organization. UAI’s glossy print magazine, published in five languages, was focused on the many dimensions of city-scale innovation: economics, politics, governance, and culture. It’s notable that all of this was being published well before ‘smart cities’ and ‘sustainable development’ became part of the metropolitan lexicon.

UAI launched Meeting of the Minds in 2007 to extend the Institute’s mission, to connect disparate leaders from different worlds, to spotlight innovators working in near-isolation. In 2012, Meeting of the Minds took it to the next level by launching its blog at CityMinded.org. A new communications strategy quickly took shape, with monthly webinars; the Meeting of the Minds Magazine; monthly meet-ups; and other direct outreach activities. Each activity aims to leverage the thought leadership that crystallizes during each Meeting -- and that open conversation continues during the months that follow.

As a lead in to each Meeting of the Minds, the UAI team seeks out the most promising ideas and innovations. Some of UAI’s own research – on city-to-city knowledge exchange, for instance – was sponsored by The Gordon and Betty Moore Foundation. Tim Campbell’s book, “Beyond Smart Cities”, brought attention to the underground knowledge economy connecting city leaders across continents. Contracts and grants have been received by UAI from Rockefeller Brother’s Fund, Teijin Ltd. (Tokyo), CityNet, World Health Organization, United Nations Habitat, the Government of Canada, Daimler, the German Government’s GTZ, and many others.
MEETING HISTORY

2013
TORONTO
September 9-11

2012
SAN FRANCISCO
October 9-11

2011
BOULDER
September 21-23

2010
OMAHA
June 16-18

2009
NEW YORK CITY
June 2-3

2008
PORTLAND
July 30-31

2007
OAKLAND
September 13-14
MEETING OF THE MINDS DELEGATES

375 DELEGATES

Including:

87 SPEAKERS

11 SCHOLARSHIP RECIPIENTS

22 MEDIA

35% FEMALE

65% MALE

INDUSTRY

Private sector: 47%
Public sector: 33%
NGO/Academic: 13%
Media: 7%

SENIORITY

Vice president or higher: 93%
Other: 7%
DELEGATE GEOGRAPHY

- **Canada**: 58%
- **USA**: 34%
- **Great Britain**: 2%
- **The Netherlands**: 2%
- **Sweden**: 1%
- **Australia, Brazil, Saudi Arabia, 10 Others**: 3%
People are the driving force behind innovation. And when smart, inquisitive people from disparate experiences come together to tackle the toughest problems facing cities and regions, quantum progress is possible.

MarySue Barrett, Metropolitan Planning Council Blog

Good mix of business, gov, NGOs & academics exchanging ideas @ meetoftheminds on how to prepare city-regions for future #motm2013

Neptis Foundation, @neptisregions

Judging mega projects thru narrow ‘on time on budget’ criteria is wrong and misguided leading to mistaken assessment of success #motm2013

Christian Wolmar, @ChristianWolmar

There’s no doubt that IoE, today just in its infancy and opening a universe of opportunities, will also raise huge concerns about privacy. But it doesn’t necessarily mean Big Brother watching one, says Elfrink: It can facilitate the opposite – “citizens watching Big Brother.” It may be the biggest look, wonder, wait and discover phenomenon of our time.

Neal Peirce, citiwire.net

Judging mega projects thru narrow ‘on time on budget’ criteria is wrong and misguided leading to mistaken assessment of success #motm2013

Christian Wolmar, @ChristianWolmar

The purpose of this meeting is to “enable innovation.” That’s my mandate as Premier of Ontario as well. #motm2013

Kathleen Wynne, @Kathleen_Wynne

Recurring theme during #motm2013 of encouraging engagement and breaking down silos to enable success of... almost everything!

Annalise Czerny, @aczerny
DELEGATE DISCUSSION

"Redfield’s Detroit’s strengths in supporting entrepreneurs: 1) connectivity 2) intentionality 3) both/and - hi tech & community orgs #motm2013"

Living Cities, @Living_Cities

"Each year, the conference deals with the problems -- and fresh solutions -- of cities: creaky infrastructure (and government structures and processes that are obsolete, too), sustainability, technology, and providing ever more services to urban dwellers with shrinking natural resources and shrinking city budgets."

Jana Schilder, Huffington Post

"Ben Kennedy of @kresgfdn explains that Detroit’s innovation muscle atrophied. Complacency is death in smart cities. #motm2013"

Kristin McBride, @KMarieMcBride

"New phenomenon: “I want to cycle but I don’t want to be a cyclist”. People rejecting labels. Driver, pedestrian, cyclist, rider #motm2013"

Antoine Belaieff, @abelaie

"We don’t need more data. We are drowning in #bigdata -- we need big analysis!"

Jim Harris, @JimHarris

"Innovation is a watchword at Meeting of the Minds and the conference invites leading thinkers in design, academia, government and industry to put their heads together to work out the means to stimulate, encourage, support and take advantage of innovation to solve city challenges."

Mary Allen, InsightaaS.com
CityMinded.org TRAFFIC

UNIQUE VISITORS

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<th>Year</th>
<th>Number</th>
<th>Percentage Increase</th>
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<td>2011</td>
<td>3,963</td>
<td></td>
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<tr>
<td>2012</td>
<td>12,605</td>
<td>+1,360% 2011-2013</td>
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<tr>
<td>2013</td>
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REACH

- 5,542 CITIES
- 168 COUNTRIES
WEBCAST VIEWERS

2011: 530
2012: 685
2013: 1,356

+156% 2011-2013

75 COUNTRIES

webCAst Viewers

2011-2013
The CityMinded.org Blog launched in October of 2012 in order to extend the reach and breadth of the Meeting of the Minds dialogue. By the time of the Toronto Meeting, 90 bloggers had written 100+ articles and attracted nearly 48,000 readers.

Some of the most popular articles from the 2012-2013 season:

- **How Will Driverless Cars Affect our Cities**  
  Issi Romem

- **12 Innovative Urban Transportation Apps**  
  Antoine Belaieff

- **Greenhouses Grow Possibilities for Urban Building Owners**  
  Mohamed Hage

- **Restoring Cities as Engines of Opportunity**  
  Ben Hecht & Abhi Nemani

- **What is a city, and how does it get smarter?**  
  Shane Mitchell

- **7 Standout Trends in Future Urban Mobility**  
  Steve Raney

- **Standardized Indicators for Informed Cities**  
  Patricia McCarney

### BLOGGER BREAKDOWN

- **21% Female**
- **79% Male**

- **83% North American**
- **14% European**
- **3% Asian**
MONTHLY WEBINARS

In preparation for Meeting of the Minds 2013, Urban Age Institute organized a series of six monthly webinars focused on the topics and themes that were presented at the event.

MARCH

✧ Making Smart Cities a Reality – Today

APRIL

✧ Equity, Demography and the Future of the American Economy

MAY

✧ Chaos in Urbanism – Harnessing Uncertainty for Successful Cities

JUNE

✧ Creative Repurposing — Unlocking the Past for Our Sustainable Future

JULY

✧ Insights in Motion

AUGUST

✧ The Convergence and Impact of Telecommunications and Energy for Smarter Cities

ATTENDANCE
TWITTER

_Traction & Interaction_
In 2013 we focused on increasing our web presence both through our website and through social media. We focused our efforts on Twitter and were able to increase our Twitter followers by over 480% in the last 12 months. Moreover, usage of the event hashtag (#motm2013) nearly doubled this year.

GENDER OF FOLLOWERS

- **29% Female**
- **71% Male**

LOCATION OF FOLLOWERS

- **53% USA**
- **11% CA**
- **8% UK**
- **28% Other**
TWITTER

NUMBER OF FOLLOWERS

<table>
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<td>2012</td>
<td>481</td>
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<td>2013</td>
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+482% 2012-2013

#HASHTAG USAGE

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<th>Number</th>
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<td>2012</td>
<td>1000</td>
</tr>
<tr>
<td>2013</td>
<td>1900</td>
</tr>
</tbody>
</table>

+90%
2013 MEDIA COVERAGE

UNITED STATES

🔗 Will Cities be Smart Enough to Master the Wired World?
Mary Newsom
Citiwire.net

🔗 Should Cities Fear or Welcome an Era of Driverless Cars?
Neal Peirce
Seattle Times

🔗 Are Mega-Projects Really As Bad As Everyone Says?
Anthony Flint
Atlantic Cities

🔗 International Leaders Summit Coming to Detroit
Issi Bendall
dbusiness.com

🔗 How smart is your city, really?
Mary Newsom
PlanCharlotte.org

🔗 For Detroit, Humility and Hope
Anthony Flint
Lincoln Institute of Land Policy Blog

🔗 MPC in Toronto: Meeting of the Minds 2013
MarySue Barrett
Metropolitan Planning Council Blog

🔗 Detroit’s Road to Revitalization
Mary Dugan
ICIC.org Blog

CANADA

🔗 Cisco’s citywide wi-fi solution looks to incorporate key stakeholders
Christopher Rogers
WRLWND

🔗 Social norms will hold back autonomous vehicle adoption
Christopher Rogers
WRLWND

🔗 Meeting of the Minds 2013 recaps government play in Smart Cities agenda
Mary Allen
InsightaaS.com

🔗 #CiscoSmartTO continues at Meeting of the Minds
Dr. Rick Huijbregts
Industry Transformation

🔗 Autonomous cars and the future of cities
Nora Young
CBC Radio

🔗 Looking at transit success and failure
Oliver Moore
The Globe and Mail

🔗 The innovation landscape in Ontario
Christopher Rogers
WRLWND

🔗 Cisco architecture to help cities build Wi-Fi
Howard Solomon
IT World Canada
2013 MEDIA COVERAGE

CANADA

 Cinderella State - CCW: to build smart - You need to connect
 Robert M. Showalter
 Sweco Blog

 Q&A: Charbel Aoun, Senior Vice President, Smart Cities, Schneider Electric
 Christopher Rogers
 WRLWND

 Spotted at Meeting of the Minds: CareConnectHere
 Christopher Rogers
 WRLWND

 Cisco releases ‘city-wide’ Wi-Fi offering
 CNS Magazine

 NETHERLANDS

 Cisco lanceert ultieme stadsnetwerk ‘Smart+Connected City Wi-Fi’
 Johan Voets
 Numrush.nl

 SWEDEN

 To Build Smart—You Need to Connect
 Andreas Gyllenhammar
 Sweco Blog

 MEDIA PARTNERSHIPS

 GOVERNING

 THE GLOBE AND MAIL

 InsightaaS.com

 CANADA

 ReNew
SESSIONS
Successful cities and regions constantly reinvent themselves. Patterns of living and working change so transportation networks must be retrofitted. Employers need to attract and retain top talent and must be part of the solution. The economy is a whole new ball game. Governments need to learn how to retool how they are organized and reconfigure how to pay for what our cities need to thrive. Chicago is an ideal example of a city that is constantly reinventing itself. We don’t have all the answers but a few projects are promising, including a new investment in Bus Rapid Transit and the Chicago Infrastructure Trust.
3-D PRINTING AND FABRICATION LABS—REVITALIZATION STRATEGIES FOR SUSTAINABLE CITIES

Rogier van der Heide
Vice President and Chief Design Officer, Philips Lighting

3D-printing is not just the future of manufacturing. It means that we can bring back a maker’s economy to inner cities. Being able to make, create, hack, and design is at the center of a new economy. Fabrication Labs (FabLabs) will soon pop up all over cities and be fuelled by imaginative design. Together this will represent substantial economical value for cities seeking sustainable ways to revitalize. Certain cities may not be able to compete on labor costs but they can create tremendous value when design is more closely linked with the process of 3-D printing. Many examples of the makers economy already exist but one particularly exciting example in the lighting industry captures the spirit of this trend. Rogier will share a detailed model of how a 3D-printing based delivery model for luminaires would not only liberate consumers and enable their own creativity, but also boost a local and clean makers economy in cities through jobs, income, and a new urban future.
Agent-based simulation (ABS) is a technique that allows decision makers to test what-if scenarios for a variety of complex problems. Agent-based simulation replicates in software the behavior of individuals and their interactions with the environment, to reveal how overall system behavior emerges from these interactions. In collaboration with Evergreen, Cisco and Schneider Electric, Icosystem has developed BEES (Building Energy Efficiency Simulator), an agent-based simulation that shows how building occupants interact with energy-saving technologies to influence overall energy consumption. A demo of BEES was available to the public during Meeting of the Minds, and also on the Evergreen and Icosystem websites. This presentation provided background information on agent-based simulation, described BEES, and outlined the potential for further applications of this approach in the design and management of building energy systems.
These are complex times with growing populations, aging demographics and changing weather patterns. Government can and must play a positive role in finding the best way forward—as both a facilitator and convenor. Ontario is a hub for sustainable growth and innovation and will continue to be a place where ideas come to life, but sustainable design and innovation is not just an urban priority. It is crucial to engage Ontario’s rural communities in order to nurture progress throughout the entire province. The province is now suffering from decades of underinvestment in public transit and investment in infrastructure needs to happen right away. Several strategies could make a big impact: $100 million fund to help small municipalities to address aging infrastructure, Places to Grow Initiative, the gas tax, and a new cycling strategy.
ONTARIO’S INNOVATION LANDSCAPE THROUGH THE LENS OF TECH, POLICY, SOCIAL AND HIGHER EDUCATION INNOVATION

Moderator: Nick Parker, Chairman, Cleantech Group
Sara Diamond, President, OCAD University
Ilse Treurnich, CEO, MaRS Discovery District
Bill Mantel, Assistant Deputy Minister of Research, Commercialization and Entrepreneurship Division, Ontario Ministry of Research and Innovation

Ontario has become a major hub for cutting-edge innovation, much of it fueled by progressive legislation such as the Green Energy and Green Economy Act. The culture of innovation which has taken afoot is diverse — from social to digital to cleantech and from higher education to private initiatives. The Ontario Government is playing a major role in fostering this culture through the “innovation infrastructure” it provides, such as the Ontario Network of Excellence to support research and commercialization. Yet Ontario faces real bottlenecks, such as a lack of access to risk capital and a relatively small regional market size – both challenges to the scaling-up of breakthrough innovations. This diverse multi-sectoral panel shared their experiences and insights into the state of innovation in Ontario.
One stream of mobility innovation is already bringing advanced technology to our roads. Autonomous driving means much more than robotic cars who know your name and your designation. A long list of ‘intelligent transport systems’ are maturing and converging — and they’re bringing to drivers a menu of new options that help to reduce city congestion, increase safety and facilitate vehicle flows. What does it all mean for the future of cities as we know them?
The ‘smart city’ is both a nascent concept and an emerging reality. However, a major gap still exists: the space between city administrations and industry. Smart city technology is available — but new models are needed to make city-wide transformation. City leaders are beginning to look at urban systems in more holistic ways. These new models require sharing information across departments, breaking down silos, involving cities’ own network of best-in-class local providers and stakeholders, as well as best-in class global industrial leaders. This is allowing for city services and systems to integrate more comprehensively, taking advantage of sometimes hidden synergies and interconnections. What cities have been successful at implementing these new approaches? What are they discovering in the process of adopting these new models?

See related blog post: How Does a Smart City Happen? by Charbel Aoun

See related webinar: Making Smart Cities a Reality — Today.
Jared Blumenfeld
Administrator for US Environmental Protection Agency’s Pacific Southwest Region (Region 9)

Greening any economy means more than just shifting auto traffic to cleaner fuels, reducing Vehicle Miles Traveled, or making buildings more energy efficient — however worthy those goals might be. It means re-inventing commerce as we know it, pivoting from a consumption model to something more sustainable. But exactly what is that something? Can we find hints from some of the early successes resulting from some scattered US initiatives? Where? Who? And how applicable are those results to other global regions?
09 ORGANIZATIONAL STRATEGIES FOR CLIMATE CHANGE RESILIENCY

**Moderator:** Sean Capstick, *Principal, Golder Associates*
**Dr. Ron Dembo,** *Founder and CEO, Zerofootprint Inc.*
**Cecile Tuil,** *Vice President of Influence Strategy, Schneider-Electric*
**Sandra Odendahl,** *Director of Corporate Sustainability, Royal Bank of Canada*

Unlocking sustainability in cities requires making transformation practical. This workshop featured the unique perspectives of four leading organizations: a start-up; a global engineering/consulting firm; Canada’s leading bank; an EU-based multinational. What is each organization’s longer-term (15+ years) approach and plan to address climate change in the urban context? In some cases the focus will be internal (e.g. on the initiatives underway within each organization) and in others it will be external (with customers and partners). With a focus on the details, how are these four proactively planning for climate change?
THE ECONOMIC DEVELOPMENT CASE FOR URBAN SOCIAL EQUITY

Moderator: Charles Rutheiser, Senior Associate, Annie E. Casey Foundation
Angela Glover Blackwell, Founder and CEO, PolicyLink
Dr. Manuel Pastor, Professor of Sociology and American Studies & Ethnicity, University of Southern California
Ted Howard, Co-Founder of The Democracy Collaborative and Steven Minter Fellow for Social Justice, The Cleveland Foundation

Advancing equity – just and fair inclusion into a society in which everyone can participate and prosper – has often been viewed separate from, or even opposed to, efforts to foster economic competitiveness and efficiencies in the marketplace. This panel made the case that in light of the nation’s demographic transformation, pursuing strategies that create more inclusion are no longer only moral imperatives—they are economic ones. Presenters shared the latest on the demographic shifts changing the country, outlined emerging research that makes the case that equity-driven growth and business development are fundamental to the nation’s economic future, and provided concrete examples of how universities, hospitals, and other anchor institutions can catalyze inclusive economic development.

See related blogging event: How is technology impacting social and economic divisions in cities?
See related webinar: Equity, Demography and the Future of the American Economy
CREATIVE FUNDING MECHANISMS FOR REVITALIZING CITIES

Moderator: Harry Verhaar, Head of Public & Government Affairs, Philips Lighting
Rick Huijbregts, Vice President, Industry and Business Transformation; General Manager, Smart + Connected Communities, Cisco Canada
Stephanie Miller, Director, Climate Business Department, International Finance Corporation
Karen Clarke-Whistler, Chief Environment Officer, TD Bank

Even when the demand is strong within cities for greater environmental, economic, and social sustainability, certain financing barriers still exist. How do city governments and entrepreneurs stay competitive and innovative in a risk averse environment? How can companies and banks attract more green consumers? These are just a few of the financing obstacles standing in the way of harnessing new solutions and deploying new technology, green products, and smart infrastructure. New solutions are being harnessed that are blending private and public capital to unleash innovative projects. Who, and what, can provide a better basis for partnership between government, private banks and suppliers, especially those private companies that stand ready to provide the solution-as-a-service? What new business models are being developed and deployed?

See related blog post: Creative Financing for Revitalizing Cities by Harry Verhaar
WHAT CAN CITIES LEARN? LESSONS FROM 30+ MEGA URBAN TRANSPORT INFRASTRUCTURE PROJECTS

Moderator: Anthony Flint, Fellow and Director of Public Affairs, Lincoln Institute of Land Policy
Harry T. Dimitriou, Bartlett Professor of Planning Studies, University College London
Heather Allen, Programme Director, Sustainable Transport, Transport Research Laboratory
Fred Salvucci, Senior Lecturer and Research Associate, Civil and Environmental Engineering, MIT
Phil Wright, Research Fellow, OMEGA Centre, University College London

The London-based OMEGA Centre at the Bartlett at University College London completed a 5-year project aimed at enhancing decision-making for Mega Urban Transport Projects (MUTPs). The focus of this session was on lessons drawn from 30+ case studies of MUTPs in US, Europe, Asia, Australia. Lessons were be in the spotlight from the planning, appraisal and delivery of MUTPs. What constitutes a successful, robust, adaptable MUTP that is sensitive to sustainable development concerns. The aim is to get beyond the “iron triangle” of traditional project management concerns: completing projects on time, within budget and to specification. The material derived from case studies provides important generic and context-specific insights. This session shared lessons at all three levels, drawing on interviews and narratives about the case studies with 300+ key project stakeholders. These leaders were asked to go over and above the insights provided in public domain materials. In the light of 21st century urban development challenges, what constitutes a successful MUTP?

See related blog post: Judging the Success of Megaprojects by Christian Wolmar
More than ever before, people are fearful that the world is unwinding under the assault of an array of financial, social, cultural and environmental dangers. This session explored and provided insight into cities that experience high uncertainty on a daily basis; surviving and thriving in conditions many would consider untenable to supporting civilized life. Lessons learned focused on the means for preparing our communities to possess an agile, robust capability of accepting and assimilating seriously significant change as well as designing to embrace and harness chaos.

See related webinar: Chaos in Urbanism—Harnessing Uncertainty for Successful Cities
14 GLOBALLY STANDARDIZED INDICATORS FOR RESILIENT CITIES

Moderator: Senator Art Eggleton, Senator, Canada and Former Mayor of Toronto
Patricia McCarney, Professor and Director, Global City Indicators Facility, University of Toronto
Nico Tillie, Landscape Architect, City of Rotterdam, The Netherlands
Mayor Maurizio Bevilacqua, City of Vaughan, Canada
Michinaga Kohno, Senior Chief Engineer, Smart City Project Division, Hitachi, Ltd.

How are performance measurement standards helping some of the smartest urban leaders build resilient cities? A common set of indicators that are globally standardized within the ISO framework will generate learning across cities globally. More informed cities can lead to transformative decision-making; the adoption of strategic technology and innovations; cost-effective solutions for infrastructure investments; and, smarter, healthier futures for citizens. This session revealed some of the lessons-learned in different cities, drawn from the Global City Indicators Facility 250+ member cities, as they embrace indicators to accelerate the transition.

See related blog post: Standardized Indicators for Informed Cities by Patricia McCarney
The world’s cities are under intense pressure to address accelerating urbanization and find better ways of developing. To address this challenge we need to rethink the way we design, build and move about our cities to achieve greater resiliency and more efficient use of limited global resources. New tools and ways of thinking are needed to make major leaps and avoid failure. How can foresight thinking better prepare us for an uncertain future? What role can Big Data play to increase understanding of our current and future patterns of infrastructure use through an engineering and human lens?
ACCELERATING TRANSIT: MULTI-MODAL, RESILIENT AND AFFORDABLE

Moderator: Oliver Moore, Urban Transportation Reporter, The Globe and Mail
Tom Wright, Executive Director, Regional Plan Association
Mary Skelton Roberts, Senior Program Officer, The Barr Foundation
Lew Gaskell, Transportation Leader, Worldwide Smarter Cities, IBM Corporation

Most metro regions are ill prepared for the transportation infrastructure pressures of the 21st century. The current era of constrained resources has produced questions that are critical to our transportation future. How has the public debate changed around transit? Are there community engagement strategies that facilitate faster track approval and implementation of large transit infrastructure projects? In this workshop we heard from a cross section of stakeholders involved in building the projects and shaping the public debate on a variety of multimodal transit options from around the globe. Case studies included Sao Paolo, London, New York City, Boston and Toronto. The workshop featured projects in light rail, transit stations, bike share and multi-modal options. This session took advantage of different perspectives but a common set of concerns – how to build public transit more quickly and affordably.
CREATIVE REPURPOSING—HERITAGE DISTRICTS AS URBAN SUSTAINABLE COMMUNITIES

Moderator: David Waverman, Senior Heritage Landscape Architect, Golder Associates
Dan Mathieson, Mayor, Stratford, Ontario
Don Loucks, Senior Associate, Architecture, Urban Design, Heritage Planning, IBI Group
Jill Taylor, Principal, Taylor Hazell Architects

This session explored strategies for moving beyond the concept of heritage resources managed just for the conservation of their historical attributes. This workshop sought to expand the definition of heritage districts and explore how they might offer a new model for sustainable communities. Participants explored how heritage sites could be retrofitted into model energy districts and offer communities various environmental benefits including micro-climatic outcomes such as improving the health of mature urban forests and canopies. A focus on accessibility issues in heritage settings offered participants a chance to see how nodal centers draw communities towards healthy transit options.

See related blog post: Heritage neighborhoods: what is the value of a tree-lined boulevard? by David Waverman and Jeannette Southwood

See related webinar: Creative Repurposing — Unlocking the Past for Our Sustainable Future
SMART DEVICES AND EMBEDDED SENSING TECHNOLOGY – IMPACTS ON WATER AND ENERGY

**Moderator:** Stephen Johnston, Vice President of Corporate Development, Itron  
Nicola Villa, Managing Director, Big Data & Analytics, Cisco Consulting Services  
Jim Anderson, Vice President, Smart Cities North America, Schneider Electric  
Markus Breitbach, Vice President Global Sales and Marketing, M2M Competence Center, Deutsche Telekom

Digital technology and intelligent infrastructure form the technical foundation for smart cities. Innovative technologies enable data to be delivered by and through connected devices. How is it actually empowering cities, utilities, businesses and consumers to better manage their energy and water? How, in real practice, is the untapped power of smart devices harnessed to make cities more efficient and conserve resources? What’s driving the rapid adoption of emerging technologies? How are these technologies promoting sustainable economic growth?
New technological innovations are enabling the ‘smart city’ concept to come to fruition through the integration of once isolated and separate functions. Developments in smart grid DC technology are now enabling the electric vehicle revolution. The vehicle is now seen as a battery storage and energy resiliency mechanism for homes. And buildings are increasingly efficient with the advent of energy management software. How are all of these assets communicating with each other? How do these assets work in tandem and can they work alone? Are we seeing the emergence of a new economy around these assets that promises to make our cities more efficient?

See related blog post: Using Smart Technology to Combat Power Failure by Dan Probst
CONNECTED BOOMERS WILL CHANGE MOBILITY—ARE WE READY?

Moderator: Mary Proc, Vice President, Customer Service, GO Transit, Metrolinx
Tiffany Fishman, Manager, Public Sector Industry Practice, Deloitte
Dr. Steve Cassidy, Managing Director of the UK office, MMM Group
Emily Munroe, Director of Partnerships and Programs, 8-80 Cities

How would your life change if you could no longer drive? Baby boomers are an influential generation and significant segment of the population. They will be the first cohort of seniors to be tech savvy; they are also largely car dependent, living in communities with poor access to driving alternatives. How will we move this aging population when our transportation system is catered to commuters in denser communities? Senior mobility may seem an insurmountable challenge, but the sheer force and influence of this generation could turn it into a tremendous opportunity. This session reimagined a transportation system that leverages technology and creates seamless networks, enabling a mobile future for seniors.

Related blog post: Happily Mobile, Year after Year by Antoine Belaieff
It is estimated that 300 million rural Chinese residents will move to cities between 2010 and 2025. This urbanization trend will provide both opportunities and challenges for China with global implications. China’s central and local governments are actively exploring various strategies and experimenting with new ideas, technologies and innovations in order to drive healthy economic growth while also reducing China’s dependency on fossil fuels and environmentally destructive industries. This presentation discussed a few major urban sustainable development strategies and experiments in pilot cities, including the low-carbon programs in Changsha-Zhuzhou-Xiangtan mega-region and Guangdong province.
Young people (ages 15 to 24) have been at the forefront of the rapid developments in the use of mobile platforms, and the impact of youthful ingenuity is just beginning to be felt. Three quarters of the world’s population have access to a mobile phone, with the developing world more “mobile” than the developed world. The majority of these users are young people, and they have been innovative in overcoming limitations of not having broadband access. “Narrowband” mobile communications applications—such as text messaging and scaled-down social networking—have been tailored by young users in developing countries with striking impact on participatory engagement in local government. Present and prospective uses will spread far wider and have as lasting impact as the Arab Spring and recent upheavals in Brazil. Present and future generations will have unprecedented leverage with youth “voice” in such areas as mobilization of demand, improvement of services, participatory engagement and accountability in local government.

See related blog post: Youth Bulge, Mobile Miracle, and Cities by Tim Campbell & Daniella Ben-Attar
Big Data for Innovative Transportation and Growth Planning

Glen Murray
Minister of Transportation & Minister of Infrastructure, Ontario

A new government team is developing big data solutions to address transportation and growth planning challenges of the future.
INTEGRATING ENTREPRENEURSHIP AND INNOVATION INTO A UNIVERSITY—CHANGING POST-SECONDARY EDUCATION AROUND THE WORLD

Sheldon Levy
President & Vice Chancellor, Ryerson University

On July 29, 2013 Ryerson University signed an agreement with the Bombay Stock Exchange Institute to develop an entrepreneurial education model based on the success of the Ryerson Digital Media Zone. Since launching in 2010, the DMZ has incubated 92 startups, created 700 jobs and hosted 650 tours for visitors from around the world. A natural educational evolution, the idea arose out of a desire by Ryerson students to make an impact and apply their studies to real-world projects. They were seeking a new kind of learning and research space. DMZ entrepreneurs work on topics ranging from the environment, transportation, biomedical technology, global culture and economics, creative industries, empowering public opinion, and more. The Zone model is now a strategic university priority across academic clusters and disciplines, recognizing the leadership of young innovators in defining our global future.
THE INTERNET OF EVERYTHING—
CONNECTING THE UNCONNECTED

Wim Elfrink
Executive Vice President, Industry Solutions & Chief Globalisation Officer, Cisco Systems

The next wave of dramatic change will come through the confluence of people, process, data, and things. The Internet of Everything makes networked connections more relevant and valuable than ever before — turning information into actions that create new capabilities, richer experiences, and unprecedented economic opportunity for businesses, individuals, and countries. Cisco estimates that 99.4 percent of physical objects in the world are still unconnected. With only about 10 billion of the 1.5 trillion things currently connected globally, there is vast potential to connect the unconnected via the IoE. Between 2013 and 2022, $14.4 trillion of value (net profit) will be “up for grabs” for private-sector companies and industries globally — driven by IoE. The IoE Economy is about enabling people to be more productive and effective, make better decisions, and enjoy a better quality of life.
TRANSFORMING THE LANDSCAPE OF E-MOBILITY

André Thibault
Head of Product Management, Bombardier Transportation North America

Across the world, major cities are faced with ongoing pressure to meet the challenges of population growth, congestion and pollution. That is why the demand for more efficient, more accessible and more environmentally-friendly mobility solutions has never been greater. The route to success relies on electrification, but one that integrates seamlessly into the urban core. As a global leader in passenger rail transportation, Bombardier has developed expertise and technology that can now be expanded to support and sustain the electrification of major transportation sectors and can help growing and dynamic cities transform the landscape of e-mobility.
POTENTIAL USES OF ICTS FOR A GREENER CANADA

David Miller
President & CEO, World Wildlife Fund, Canada; Former Mayor of Toronto, 2003-2010

Mr. Miller was appointed last year as Chair of the Council of Canadian Academies’ Expert Panel on the Potential for New and Innovative Uses of Information and Communications Technologies (ICTs) for Greening Canada. With the Expert Panel’s final report expected to be publicly released in the spring of 2014, Mr. Miller presented the audience with a glimpse into the Council’s Expert Panel process and discuss the Panel’s approach and key challenges in assessing the evidence used in response to its charge.
THREE NEXT GEN LEADERS—INVENTING THE URBAN DIGITAL FUTURE

Dr. Hossein Rahnama, Founder, Flybits
Mauricio Meza, Co-founder, Komodo OpenLab Inc.
Brennan McEachrane, Founder, Hitsuend

Ryerson University’s Digital Media Zone is producing young entrepreneurs that are bridging the divide between the University and the private sector. These three young entrepreneurs pitched their latest companies to the Meeting of the Minds delegate audience:

- Flybit’s core middleware platform, FARE (Flybits Activity Recognition Engine), enables enterprises to benefit globally from Ubiquitous RelevanceTM, which allows customers, employees and suppliers to receive timely and tailored information when needed.
- HitSend’s first product, SoapBox, is a community crowdsourcing tool that is integrated into existing online communities for gathering, prioritizing and executing ideas.
- Komodo OpenLab develops inclusive technologies that facilitate the daily lives of people with disabilities.
SMATER CITIES CHALLENGE: A CONVERSATION WITH CITY LEADERS

Moderator: Stan Litow, Vice President, Corporate Citizenship & Corporate Affairs and President, IBM International Foundation
Mayor Brenda Halloran, Mayor, The City of Waterloo
Councillor Bruce Hayne, Councillor, The City of Surrey

With an estimated one million people worldwide moving into cities each week, experts predict the global urban population to double by 2050 to 6.4 billion—making up 70% of the total world population. IBM’s Smarter Cities Challenge (SCC) grants to 100 cities around the world are enabling cities to make transformational changes which have resulted in many new insights. Meeting delegates heard directly from a panel of city leaders whose cities have won SCC grants. These city leaders discussed what they learned in their own urban laboratories and the changes and improvements they are making as a result of their projects.
DETROIT’S ROAD TO REVITALIZATION: HOW CAN ONE CITY MOVE FASTER AND SMARTER?

Moderator: Gregory K. Ingram, President & CEO, Lincoln Institute of Land Policy
Don Chen, Senior Program Officer, Ford Foundation
Jean Redfield, President & CEO, NextEnergy
Benjamin Kennedy, Senior Program Officer, Community Development, Kresge Foundation
Arthur Burris, Director, Public Sector Innovation, Living Cities

Detroit is at a tipping point and in the midst of a revival and renaissance. Once a boom-town, it has had to redefine and re-imagine its identity, business models and even some of its values. The city offers a creative platform for discussion. How do cities redefine themselves? How do they create new industry clusters? How do they retrain their workforce and attract talent? How do they revitalize their downtowns and suburbs? What new technologies, policies and financing mechanisms are now available that can be scaled to provide a higher quality of life? This panel discussed the latest initiatives and strategies that are making one of the greatest American cities great again.
SPURRING THE NEW MOBILITY ENTERPRISE SPACE

Susan Zielinski
Managing Director, SMART, University of Michigan

Aniela Kuzon
Sector Lead, New Mobility, NextEnergy

A special announcement was made regarding Mobi-Prize, Platform 2014 and Mobi-Prize Detroit.
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Overall, how would you rate Meeting of the Minds 2013?

- **EXCELLENT**: 27%
- **VERY GOOD**: 49%
- **FAIRLY GOOD**: 24%

How likely are you to recommend Meeting of the Minds to a friend?

- **EXTREMELY LIKELY**: 21%
- **VERY LIKELY**: 51%
- **MODERATELY LIKELY**: 28%

How unique was Meeting of the Minds 2013?

- **EXTREMELY UNIQUE**: 9%
- **VERY UNIQUE**: 47%
- **FAIRLY UNIQUE**: 40%

How useful was the information presented at Meeting of the Minds 2013?

- **EXTREMELY USEFUL**: 8%
- **VERY USEFUL**: 42%
- **SOMewhat USEFUL**: 42%
Was the length of the event too long, too short or about right?

- TOO LONG: 11%
- JUST RIGHT: 74%
- TOO SHORT: 15%

How organized was Meeting of the Minds 2013?

- EXTREMELY ORGANIZED: 39%
- VERY ORGANIZED: 49%
- SOMewhat ORGANIZED: 12%

How easy is the online registration process for Meeting of the Minds 2013?

- EXTREMELY EASY: 56%
- QUITE EASY: 41%
- MODERATELY EASY: 3%

How easy is it to find the information you are looking for on CityMinded.org?

- EXTREMELY EASY: 20%
- QUITE EASY: 69%
- MODERATELY GOOD: 11%