



**DIGITALIZATION:
INTELLIGENT PATHWAYS**

Monday 2nd & Tuesday 3rd, October
2017

Winnipeg, Canada

Fairmont Winnipeg Hotel

 **EVOLVING PROGRAM**

Global Forum 2017 Organizers



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21/06/2017– Topics Program V30– Global Forum 2017 – ITEMS International

Sunday October 1st 2017

Welcome Event 6:00 pm

Monday October 2nd MORNING 8:45 am-12:45 pm

Welcome Addresses [8:45 am – 9:15 am]

Opening Session: Future Vision [9:15 am – 11:00 am]

Digitalization & a flourishing digital economy is widely recognized by market experts as one the most powerful means to address the challenges of innovation, low growth and durable high unemployment all over the world. It is also recognized that a holistic approach encompassing all issues and their interplay is needed. The digital economy will only flourish if there is focus on the whole of its eco-system – the most important ones being e-infrastructure, e-skills/e-literacy, e-security/e-privacy and e-content.

Throughout its sessions Global Forum 2017 will touch upon recent developments within this eco-system and discuss new opportunities and challenges.

Coffee Break [11:00 am – 11:15 am]

S1: Agile Infrastructures; Evolution of Connectivity: The Future of Networks & the Cloud [11:15 am – 12:45 pm]

Networks and Cloud are the main pillars of the eco-system of the digital economy and an essential prerequisite for the provision of applications and services. This session will discuss recent developments and what is to be expected in the near future.

- Next-generation Networks (Internet of Things, Wireless Networks, Satellite, Software Defined Networks ...)
- 5G: Switching to Ubiquitous Networks
- High-Speed Internet Everywhere for Everyone: Bridging the Gap
- IPV6
- Cloud Computing: Software Defined Network vs Automation, and Hybrid
- New Drivers of Network Traffic
- Connectivity the user's experiences

Lunch [12:45 pm – 2:00 pm]

Our societies become inexorably more complex over time. The rate of increase in societal complexity is accelerating. Digital technologies are providing more and more tools to empower users and businesses. And yet, many consumers are increasingly frustrated when those tools do not live up to their potential. Some are too hard to use. Others are unreliable or constantly in need of updating and patching. Too often, different programs or software do not interoperate properly. Worse, users and businesses cannot be sure that the data they input into their smartphones and computers is probably protected. The growth of the Cloud offers solutions to some of these problems--but only if IT companies and Internet providers can better address the challenges of security, privacy, reliability, and ease-of-use.

Keynote Session: [2:00 pm – 2:40 pm]

S2: Safety, Security & Privacy in an Hyperconnected Society & Economy [2:45 pm – 4:15 pm]

Digital technology has created our complex society. On the other hand, the increasing number of successful attacks on our social institutions should be a source of concern for every citizen of the world. So, the challenge is to develop effective methods and technologies to ensure the safety and security of our interconnected way of life. This session will present a broad survey of the innovative ideas and approaches to the security of business and private data; in all of its forms, and in all circumstances.

- Strategic Cyber Risk Governance
- Trust & Confidence: Different Visions & Perspectives
- Resilient Networks
- Cyber Across the Spectrum of National and Cultural Diversity
- Current Investments in Cybersecurity & Digital Criminality: Impacts on Competitiveness
- Mobile, Sensors, IoT, Blockchain...: Reimagining Security & Privacy concerns?
- Risk Management: Insurance Products & Services of Tomorrow

Coffee Break [4:15 pm – 4:30 pm]

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Monday October 2nd AFTERNOON (Follow-up)

S3: Future Trends in Artificial Intelligence & Data [4:30 pm – 6:00 pm]

- Business Intelligence and Analytics
- New developments in Cognitive Computing Machine Learning, Deep Learning ...
- Robotics
- AI Applications in (Commerce, Agriculture, Financial Industry, Games & Interactive Digital Entertainment Energy & Environment, Empowering Citizenry...)
- Algorithmic Governance

S4: Public Policy & Regulation [4:30 pm – 6:00 pm]

- Identity and Privacy in an Hyper-connected World (Multiplayers / Multisector)
- Internet Governance
- Standardizations / Self-Regulation
- Spectrum Issues (5G, IOT...)
- Open Internet and Network Neutrality
- Privacy issues

GALA DINNER 7:30 pm to 11:00 pm

Tuesday October 3rd MORNING 9:00 am – 11:30 am

Keynote Opening Session Day 2 [9:00 am – 10:00 am]

A person's world is defined by what they know. Hence, coordinated programs of education are traditionally the engines for social change. The digital age is infinitely fast-moving. Its citizenry is inundated by daily floods of information and hazards lurk everywhere in cyberspace. The challenge is to ensure sufficient digital literacy to enable the world's citizens to make informed choices about things that are critical to their well-being. That task requires innovative ideas, and concepts to underwrite global education, training and awareness requirements. This session will consider.

- Keeping up with the digital revolution; ensuring digital literacy
- Ensuring trust in digital sources: learning how to filter good information from the spurious
- Ensuring trust in global interaction: learning how to be safe and secure in cyberspace
- Ensuring an appropriately skilled workforce; leave no worker behind
- The impacts and hazards of digital technology; ensuring safety and security
- Innovating for social change in the digital world; thinking outside the box

S5: Innovation for Society [10:00am- 11:30 am]

Innovation is more than ever the driving force for addressing our most pressing problems relating to climate, environment, economy as well as society. It is no longer a linear process in which a clever management of science, engineering and entrepreneurship leads to success, but rather a living laboratory in which the whole society is dynamically involved. The drivers of innovation have changed from the past, and we must not only understand them but also harness them for economic and societal sustainability. This session will discuss how to "innovate innovation" for responding to change and enhance prosperity for people and organizations.

- Open Innovation Ecosystems
- Engagement Platforms and Environments
- Jobs, Education & Training
- City & Communities as living labs
- Disruptive & Sustainable Innovation
- Adapting Regulation & Standards
- New Professions for Innovation

S6: Intelligent Cities, Regions & Communities [10:00 am – 11:30 am]

- Intelligent City & Region for Sustainable Growth (Clusters, Megacities...)
- Urban Sustainability & Connected Technology
- Empowering Rural Areas
- Rethinking Urban Mobility
- Energy: Rethinking Power Supply with Smart Grids
- Intelligent Buildings

Coffee Break [11:30 am – 11:45 am]

Tuesday October 3rd (Follow-up)

S7: Digitalization in Healthcare [11:45 am – 1:15 pm]

- Healthcare & Social Services (including Robotisation, Artificial Intelligence & Virtual Reality)
- Personalization of Healthcare
- Privacy issues
- Trusted Data
- Securing Welfare with Digitalization: patient monitoring via mobile devices for cost savings
- Mobile Health & Telemedicine
- Big Data, Health Data, Virtual Reality, Augmented Reality (VR/AR) Cloud Computing
- Securing Data and Systems
- e-Patients : Wearables for predictive and monitoring
- Connected Health
- Intelligent Healthcare

S8: Industry 4.0 [11:45 am – 1:15 pm]

- Facts and New Reality in Industry 4.0: Impact of Digitalization on Organization, on Work, On Skills Planning
- Circular Economy
- Internet & Technology Connecting Micro-Enterprises to the Global Economy
- Global Supply Chains
- Digitalization Transforming the Manufacturing Sector The New Production Modes
- Evolving Smart Factories (Cobotic)
- Value Chain Disruption = New Business Models
- Procurement 4.0

Lunch [1:15 pm – 2:15 pm]

Tuesday October 3rd Afternoon

S9: Digitalization Mobility & Transportation [2:35 pm – 4:00 pm]

- User-centric Approach
- Mobility for a Connected World
- Mobility 4.0: Integrated & Intelligent Transport
- Sustainable Transport Ecosystem
- Smart & Green Mobility
- Urban Mobility
- Physical Internet
- New Business Models, Usages & Mindset (Uber)
- Automation, Opportunities & Safety Issues; Liability & Insurance

S10: Digital Agri-Business Ecosystem [2:35 pm – 4:00 pm]

Digital agriculture is a reality. There are more and more electronic components on farms. Smartphones and tablets are used daily by farmers to help them make decisions. Consumers learn more about the origin and quality of food, and the citizen feels more and more concerned with respect for the environment. Public policies and research work on the major global challenges: the impacts of climate change, potentialities in renewable energy production, food security at the worldwide level ..., to improve prevention models and to better anticipate the protection of populations. All these subjects which are very close with agriculture represent an important potential for innovation and growth, and this is no longer conceivable without the contributions and promises of digital technology.

- Innovation Requested: 9 Billions Human Beings to Feed Tomorrow
- Agribusiness key figures
- Climate Digital Tools for Agribusiness
- Green & Responsible Agriculture; Environmental Protection
- Artificial intelligence for Agriculture
- Connecting Brands and Retailers Through Smarter Data; Security, Tracking & Traceability
- Big data : Role of Public organizations for a Proper Use of Agricultural Data
- Develop a Value-Creating Ecosystem and Start-up Incubators

Registration Form

Please complete one Registration Form per participant

Registration fees cover admission to all meetings and events

MONDAY 2nd & TUESDAY 3rd OCTOBER 2017, WINNIPEG, CANADA

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