



**DIGITALIZATION:
INTELLIGENT PATHWAYS**

Monday 2nd & Tuesday 3rd, October
2017

Winnipeg, Canada

Fairmont Winnipeg Hotel

 **EVOLVING PROGRAM**

Global Forum 2017 Organizers



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The program is constantly evolving in order to accommodate the interests of Global Forum 2017 speakers and participants, as well as to take into account the rapidly changing dynamics of the information technologies market.

25/04/2017– Topics Program V19– 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 of the most powerful means to address the challenges of poor 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 & Evolutions: Stakes & Trends [11:15 am – 12:45 pm]

Infrastructure is one of 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, Software 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
- Fundamental Components: Satellite, submarine...)
- Connectivity the user's experiences

Lunch [12:45 pm – 2:00 pm]

Keynote Session: [2:00 pm – 2:40 pm]

Our societies become inexorably more complex over time. The rate of increase in societal complexity is accelerating. As is the rate of urbanisation. As is the size of our cities. The satisfaction of our imperative to society depends upon our ability to store, process and communicate information. We rely upon tools and machines to enable our critical relationships with information. Computers and AI are the latest manifestations of these tools. Our societies will collapse if we do not fully enable and embrace the development of ever more capable tools to transform, enhance and enrich our relationships with information.

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

- Strategic Cyber Risk Governance
- Trust & Confidence: Different Visions & Perspectives
- Resilient Networks
- Standard issues
- Cyber Across the Spectrum of National and Cultural Diversity
- Current Investments in Cybersecurity & Digital Criminality: Impacts on Competitiveness
- Mobile, Sensors, Connect Object, 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: Artificial Intelligence & Data [4:30 pm – 6:00 pm]

- Business Intelligence and Analytics
- AI & Big Data interrelationships
- AI Key Challenges: Safety, Machine Learning, Deep Learning, Reliability...
- AI & Robots
- AI Applications in (Agriculture, Financial Industry, Games & Interactive Digital Entertainment Energy & Environment, Empowering Citizenry...)
- Algorithmic Governance: Who is Responsible for the Decisions Taken by AI

S4: Reevaluating Policies & Regulation [4:30 pm – 6:00 pm]

- Identity and Privacy in a Hyper-connected World (Multiplayers / Multisector)
- Internet Governance? Models for Regulation, engaging at different levels
- 5G Issues
- Standardization
- Regulatory for Modernisation in the Digital Ecosystem All Across the World.
- Open Internet and Data Prioritization
- Data Privacy

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]

- Physical Computing for Education & Research
- eSkills

S5: Innovation for Sustainable Development [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 in the open innovation ecosystems are 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 organi(C)sations.

- Open Innovation 2.0 - Paradigm for Digital Innovation
- Open Innovation Ecosystems as a service
- Engagement Platforms and Environments
- Jobs & Qualification
- City as a living lab
- Disruptive & Sustainable Innovation
- Adapting Regulation & Standards vs Regulating Pain Points Only
- New Professions for Innovation

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

- Intelligent City & Region for Sustainable Growth
- Urban Sustainability & Connected Technology
- Intelligent Rural Area
- Rethinking Urban Mobility
- Cognitive Cities & Regions
- Towards Megacities?
- Energy: Rethinking Power Supply with Smart Grids
- Contemporary and Future Climate Changes Challenges: Role of Technology To Minimize its Impact
- Nature-based-Solution & 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
- Securing Welfare with Digitalization: patient monitoring via mobile devices for cost savings
- Mobile Health & Telemedicine
- Big Data, Health Data, Virtual Reality, Cloud Computing
- Securing Data and Systems
- e-Patients : Wearables for predictive and monitoring
- Connected Health
- Intelligent Healthcare

S8: Industry 4.0 & New Business Models [11:45 am – 1:15 pm]

- Facts and New Reality in Industry 4.0: Impact of Digitalization on Organization, on Work, On Skills Planning
- Cyber Factory
- Circular Economy
- Internet & Technology Connecting Micro-Enterprises to the Global Economy
- Global Supply Chains
- Digitalization Transforming the Manufacturing Sector: New Production Modes, Collaborative Specialization VS Full Automation; What About Co-Development of the Product & of its value chain?
- Smart Factory: Business Strategy & Digital Transformation vs Business Strategy & Native Digitalization
- Value Chain Disruption = New Business Models
- Procurement 4.0 — Sourcing on Demand
- Digital Human

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
- 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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Cancellation conditions: Cancellation must occur before September 18th 2017 after this date participants will be liable for the entire registration fee. Registration fees cover admission to all meetings, lunches and cocktail receptions, and certain special events.

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