

THE INTERNATIONAL THINK-TANK  
ON THE DIGITAL FUTURE



# THE DIGITAL TRANSFORMATION IN THE BROADER ECOSYSTEM

*Designing New Practices for  
Innovation, Growth & Social  
Prosperity in a Secure Environment*

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Monday 5th & Tuesday 6th,  
November 2018  
Copenhagen, Denmark

# Global Forum 2018 Organizer



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28/06/2018- Topics Program V17- Global Forum 2018 - ITEMS International

**Sunday 4<sup>th</sup> November 2018**  
Welcome Event [6:00 pm to 9:00 pm]

**Monday 5<sup>th</sup> November 8:45 am - 4:00 pm**

**Welcome Addresses [8:45 am – 9:15 am]**

**Opening Session: Future Visions [9:15 am – 10:45 am]**

*Combining pressure for new economy and constraints of a secured and trustful world*

*Coffee Break [10:45 am – 11:00 am]*

**S1: Transformative Infrastructures to Support Digital Transformation  
[11:00 am – 12:30 pm]**

*5G & Other Innovations to Drive Future Platforms*

- New Uses Driving Transformation
  - IOT / Cloud Infrastructures and Services
  - Self-Driving / Autonomous Vehicles
  - Connected Health, Agriculture, Transport & other Sectors ...
  - Blockchain
- Agile Infrastructure Reshaping Industry & Business
  - Actors (Operators / Traditional Networks; Satellite Networks; Internet Providers; Industry Companies as Emerging Players...)
  - Spectrum Issues (5G, IOT, Radio Infrastructures ...)
  - Public & Private Investment for High-Speed Broadband
  - Strategy & Policy Options for Network Development

**Lunch [12:30 pm – 2:00 pm]**

**Keynote Session: [2:00 pm – 2:30 pm]**

*Role of Public Policy in Fake News & Manipulation of Social Media Data*

**S2: Safety & Security in an Interconnected Society [2:30 pm – 4:00 pm]**

*Safeguarding Networks & Data: Different Visions & Perspectives*

- New Understanding of “Security”: Going from Prevention to Detection and Response
- Global Cyber Security Views and Approaches
- The Evolving World of Mobile / IoT / Sensors / AI & Big Data ...
- Governance Models to Address Risks & Opportunities
- Power & Control : Changing Balance Between State/Companies
- Resilient Networks & Dynamic Encryption
- Mitigating Cyber Crime Risks
- Managing Data Vault
- Cyber Across the Spectrum of National and Cultural Diversity
- Investments in Cybersecurity & Digital Criminality: Impacts on Competitiveness

*Coffee Break [4:00 pm – 4:15 pm]*

## Monday 5<sup>th</sup> November 4:15 pm- 5:45 pm

### **S3: Role of Artificial Intelligences & Data [4:15 pm – 5:45 pm]**

*Finding the Balance Between Sharing and Protecting Data*

- Disruptive Impacts of AI (Society / Business...)
- Developing Policies for Managing AI
- Data Access and Reuse
- Agency Autonomy, Transparency & Accountability
- New Developments (Cognitive Computing Machine Learning, Deep Learning...)
- Data Collection (IoT, Sensors, Social Networks...)
- AI Applications in (Commerce, Industry, Health, Finance, Games & Interactive Digital Entertainment, Energy & Environment, Empowering Citizenship...)

### **S4: 21<sup>st</sup> Century Regulatory Framework [4:15 pm – 5:45 pm]**

*Harmonizing and balancing policies & regulatory approaches for converging industries in society interest*

*The digital transformation and the development of new business models challenges existing regulation in various industries and could impede the opportunities of businesses to exploit new technologies and business models. One of the key challenges is that technologies advance at a rapid pace and legislation is always in danger of lagging behind. Furthermore the policy-makers have been working in silos instead of applying a “whole-of-government” approach when addressing the challenges. How can we avoid that digital transformation leads to fragmentation? What is the right regulatory answer to the digital transformation that balances the interests of companies with those of consumers and society? And how alternative governance measures can be used for agile regulation of industries across the board?*

- Rethinking Regulatory Frameworks and Policy Tools
- GDPR - General Data Protection Regulation (EU) & International Impacts
- Social Media and its Impact
- Too Big to Fail / Too Big to Regulate?
- Internet Governance
- Technology Impacting Regulation (Blockchain; Cryptomoney ...)
- Data Ethics - The New Competitive Advantage
- Cross-Border Data Flow / Data Localization
- Governing in the Speed of Market
  - The Public Needs for Standardization of Data as a Generator for Larger Markets for Private Companies, Standardizations / Self-Regulation
  - New Ways to Regulate: Real-time Through IoT, Satellites and 5G

## **GALA DINNER [7:00 pm to 10:00 pm]**

## Tuesday 6<sup>th</sup> November 9:00 am – 11:30 am

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

- Needs and Expectations of Citizens in the Digital Society: Digital Hub Denmark Example

### S5: Understanding the Value of Innovation [10:00 am - 11:30 am]

*This session will discuss how to "innovate innovation" for responding to change and enhance prosperity for people and organizations.*

*Technologies like Artificial Intelligence, Blockchain, Big Data and Internet of Things are evolving quickly these years. Private companies and talents are – among other things – drawn by an attractive digital growth environment, where new and value-creating solutions are developed and where new digital start-ups can emerge and succeed. How can businesses and governments support & benefit from digital growth environments and facilitate matchmaking between private companies, researchers, tech-entrepreneurs, and students? How do you facilitate the development of new digital products, services, and business models?*

- Converting Connectivity into Community Value
- Public/Private Contributions
- Measuring Innovation / Metrics for Success & Societal Impacts
- Skills for Innovation / Jobs, Education & Training
- Collaborative Platforms / Open Innovation Ecosystems
- Incubating Disruptive & Sustainable Innovation
- Digital Social Innovation / Technology for Good, Development & Humanitarian Aid
- Intrapreneurship for Supporting Corporate Digital Transformation

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

*Towns, cities and regions around the world are leveraging digital technologies to meet enormous challenges ranging from mobility and energy to climate change, as well as challenges to their citizen's health, security, economies and culture. These communities, whether large or small, urban or rural, are taking conscious steps to create an economy and ecosystems capable of prospering in it, and in the process, transforming them into Smart Cities and Intelligent Communities.*

*But, how will our brick and mortar cities with legacy copper wired technology be able to embrace cognitive computing and AI? Will autonomous cars survive our cobblestones roads or vice-versa and how can our historical buildings become intelligent? How can cities learn from and help each other regarding the digitization of public services and infrastructures?*

- Visioning Cities of the Future / Broader Perspectives, Engagement, Partnerships
- Metrics and the Evolving Definition
- Empowering Rural Areas
- Data and Knowledge Sharing Issues / Interoperability (Public Data and Open Source)
- Employment Changes in Communities / The Future of Jobs, Training and Self Worth
- Disruptions to Society and the Economic Implications for Cities
- Growth and Migration to Cities
- Smart Metropolitan Area
  - Digital & Regional Urban Trends & Policy
  - Favoring Co-creation With Citizens
- Nature Based Solutions for Urban Development
- Good Practices for Mobility, Smart Energy, & Intelligent Buildings...

*Coffee Break [11:30 am – 11:45 am]*

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**Tuesday 6<sup>th</sup> November 11:45 am – 4:00 pm**

**S7: Digitalization in Healthcare [11:45 am – 1:00 pm]**

- Healthcare & Social Services (including Robotisation, Artificial Intelligence & Virtual Reality)
- Personalization of Healthcare
- Trusted and Secured Data / Privacy Issues
- 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 / Benefits of Sharing & Interoperability
- Intelligent Healthcare
- Incorporating Social Determinants of Health

**S8: Industry 4.0 [11:45 am – 1:00 pm]**

- Becoming Digital Industrial / Transforming the Manufacturing Sector
- Digital Transformation & Global Business Opportunities
- Global Supply Chains Investing in IoT and Blockchain Technology/ Balancing Global Sourcing with National Security
- Mass Customization at the Local Level – 3D Printing and Beyond
- Facts and New Reality in Industry 4.0: Best Practices in Working
- The Changing Face of Work – The Human Element
- Virtual Reality, Augmented Reality (VR/AR)
- Evolving Smart Factories (Cobotic)
- Automation, Opportunities & Safety Issues; Liability & Insurance
- Value Chain Disruption = New Business Models
- Procurement 4.0

**Lunch [1:00 pm – 2:30 pm]**

**S9: Digital Systems in Support of Environment & Agriculture [2:30 pm – 4:00 pm]**

- Innovation for Sustainable Development
- Virtual Reality, Augmented Reality (VR/AR)
- Big data for Environmental Protection
- Digital Farming
- Big Data Governance and Policy
- Develop a Value-Creating Ecosystem and Start-up Incubators

**S10: Women in Digital Services [2:30 pm – 4:00 pm]**

*A panel of international women executives discusses success trends for raising female profiles and accomplishment rates across information technology digital services practices.*

- Attracting Women in STEM
- Mentorship
- Changing Angles in Curriculum
- Defining the Needs of Industry 4.0
- Emerging Skills in the Digital Economy
- Gender Equality at Work & Me Too

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## Registration Form

Please complete one Registration Form per participant

*Registration fees cover admission to all meetings and events*

**MONDAY 5<sup>th</sup> & TUESDAY 6<sup>th</sup> NOVEMBER 2018**

**FAX TO:**  
ITEMS International  
GLOBAL FORUM 2018  
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orMAIL TO:

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I WILL ATTEND THIS FORUM       I cannot attend this year, but here is my current information:

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FEE* Taxes not included	IF PAID <u>BEFORE</u> September 28 <sup>th</sup>	IF PAID <u>AFTER</u> September 29 <sup>th</sup>
FIRST REGISTRANT	<input type="checkbox"/> Euro 1400	<input type="checkbox"/> Euro 1800
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### Cancellation conditions

*If received before Monday, October 8<sup>th</sup>, 2018, a cancellation fee of 100€ will be applied*

*If received after Monday, October 8<sup>th</sup>, 2018, a cancellation fee of 50% of the registration fee will be applied.*

*After Monday, October 29<sup>th</sup> 2018, no refund will be given and the claim for the full payment of all registration fees remains, respectively All registration changes and cancellations must be communicated in written form, i.e. via email to [globalforum@items-int.eu](mailto:globalforum@items-int.eu)*

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