Global Forum
Shaping the future 2015

ITEMS INTERNATIONAL

Oulu Capital of Northern Scandinavia

European Commission

In cooperation with POHJOIS-POHJANMAA Council of Oulu Region

EVOLVING PROGRAM

DIGITALIZATION

TRANSFORMING LIFE AND BUSINESSES

Monday 28th & Tuesday 29th September 2015
Oulu, Finland
Oulu City Theater

THE INTERNATIONAL THINK-TANK ON THE DIGITAL FUTURE

Sunday September 27th 2015

Welcome Event 6:00 pm at Restaurant Uusi Seurahuone

The Global Forum 2015 will provide much needed strategic direction and tactical guidance for those involved in dealing with the challenges of the Digital Age.

Monday September 28th AM 8:45 am-12:45 pm

Welcome Addresses [8:45 am – 9:15 am]

Opening Session [9:15 am – 11:00 am]

The Digital Strategy Visions in a Disruptive Landscape

from EU, Americas, Asia, BRICS & Africa

DIGITAL EUROPE

We depend upon Digitalization which forms a new view of the Digital Age and Digital World. The twenty first century Society are more complex and connected.. Huge improvements in connectivity and access to knowledge and the considerable benefits associated with the digitalization of human activities are compounded with major challenges to privacy, digital literacy and employment. With the great promises of Cyber come the great challenges of disruption and transformation. As governments, businesses and citizens, how can we grasp the implications of those transformations? The formation of new strategies, policies, laws and even new social codes requires a new, inter-disciplinary approach. The Global Forum 2015 will provide strategic direction and tactical guidance for those involved in dealing with the challenges of the Digital Age.

11:15 am – 12:45 pm

S1: Challenges for Innovative Infrastructure

Today's digital landscape is being shaped by "anytime, anywhere, on any device". We need to think out of the box to find cost-effective ways to deliver an affordable & quality experience to the users. This session will discuss perspectives from different industry players on the challenges & drivers of today's HyperConnected Society .

- Investment in Next-generation Networks, a Priority
- Communications Ecosystem
- Alternative Technologies & Players
- Global Vs Local Content Hosting
- Position of Cable Companies and Satellites in the Ecosystem
- New Needs for the World of Internet of Things (Health, Home, Businesses ..)
- Spectrum
- Standards
- Drivers for Innovative Infrastructures
  - ✓ Mobility (4G / 5G What is 5G? Defining the Promise of 5G)
  - ✓ Cloud
  - ✓ Sensors for Life
  - ✓ Smart Cities Infrastructures/ Smart Grids
  - ✓ New Devices and Applications

Lunch [12:45 pm – 2:00 pm]

Monday September 28th PM 2:00 PM - 4:15 PM

2:00 pm – 2:40 pm

Keynote Session

This keynote sets the stage for the afternoon parallel sessions. We are in an unprecedented time of transformation, full of opportunities and disruptions

- Technology, Knowledge and Innovation: Keys for Human and Economic Developments
- Internet, a Common Good
- Social Media Impacts
- Social & Societal Challenges

PARALLEL SESSION
2:45 pm – 4:15 pm

S2: Cybersecurity versus Data Protection and Privacy: New Challenges in a Global Context

Cybersecurity is one of the key priorities today and for the future. Major cyber attacks hit the headlines regularly and public awareness has greatly progressed. Public sector has for a long time been on the frontline, Now, private sector, cybersecurity is a challenge to tackle, How to balance Privacy & Data protection.

- Major Issues for the Internet's Personal and Business Users in Managing Privacy and Cybersecurity Risks
- National, International, Political, Consumer & Business Cybersecurity Interest
- “Paradox” Between Opening up Everything (Open Data) and Need to Have the Right Cybersecurity and Personal Privacy Balance
- Cybersecurity & Mobility: Mobile, Sensors, Connect Object, IoT…: Alternative Actors & National Policies: Critical Infrastructure Protection
- Homeland Security & Cybersecurity
- Looking for Innovative Ideas & Solutions
- Crucial Investment

PARALLEL SESSION
2:45 pm – 4:15 pm

S3: Connected Health

Connected Health is a revolutionizing sector with growing and growing applications with personalized guidance at every step.

- Exponential Medicine/Health
- Smart Healthcare and Wellbeing: Revolutionizing a Sector
- Wearable Technology, Wellness & Health
- Privacy & Access of Health Data
- 3D Printing Technologies in the Medical World / Bioprinting
- Legal and Ethical Issues Around 3D Bioprinting
- Big/Open Data & Health

Lunch [12:45 pm – 2:00 pm]

Monday September 29th PM 4:30 pm – 6:00 pm

PARALLEL SESSION
4:30 pm – 6:00 pm

S4: Regulatory Evolution

From different perspectives the panel will debate whether we have the regulatory models to effectively and efficiently deal with the challenges and harness the opportunities of the Digitalized Age. Do we have policymaking mechanisms that allow for both flexibility and accountability? How the "business of regulation« should evolute? How can responsible experimentation in regulation look? How can regulation and policy create conditions for investment?

- Policy, Regulation and Governance
- Internet Governance: The Next Level / ICANN/ rest of the world
- Net Neutrality
- Competition and Societal Challenges
- Regulating the Cloud and the Data access
- Fostering Investments & Innovation
- Open Internet
- Governance of Internet of Things

PARALLEL SESSION
4:30 pm – 6:00 pm

S5: Big Data, Fuel of the Digital Society

In today's age of information, data is supremely important. We generate and store more data today than any other time in history. In today's world, open & big data leverage by networks is the fuel that powers important decisions at each level of society—from government, to business, to community, to households—but it is also a product of our every activity at every level of our existence.

- Global Evolution of Big Data
- Data Monetization
- IoT : Impact of the Huge Amount and Flow of Data
- Hyperconnectivity Concept
- Platforms Development
- The Economics of Data
- Applications in Different Sectors
  - ✓ Agriculture
  - ✓ Environment & Energy
  - ✓ The Future of Crossborder eCommerce
  - ✓ Cities & regions
  - ✓ Cars
  - ✓ Insurance…
- Impact on Society and Organizations

GALA DINNER 7:30 pm to 11:00 pm
City Hall of Oulu

Tuesday September 29th AM 8:00 am - 1:00 pm

8:30 am – 9:30 am

Gender Issues & Digital Development Community

The session will examine the way in which women are impacting and contributing to the development of the digital future of society and business in Europe and emerging economies.

- Women Inclusion in ICT-led Innovation, in ICT ventures
- Women Entrepreneurs in ICTs Data to Drive Economic Growth and Business Innovation

9:30 am – 11:15 am

S6: Innovation in a Disruptive Environment

Innovation is a key driver to boost the economy. How can we support innovation from different perspectives.

- Innovation, a Key to Boost the Economy
- Public Policy for Innovation (Horizon 2020)
- PPPs to support innovation
- Disruptive Technologies in Organisations (Artificial Intelligence, Bionix, Augmented Reality, Robotics, Synthetic Biology, Nanotechnologies, Sensors, 3D Printers Technology, Energy…)
- Open Data to Drive Economic Growth and Business Innovation
- Crossborder & Sector Approach
- Transformation Labs (Living Labs, Open Labs …),
- Crowdsourcing
- Education & Innovation/ Supporting Creative Minds
- Innovation and Lifecycle Management (ILM)

PARALLEL SESSION
11:30 am – 1:15 pm

S7: Smart Cities & Regions / Collaboration & Creativity

How Smart Cities & Regions are using the ICT to contribute to prosperous economies, and tackle social & societal problems.

- User Centric Visions
- Public Private Partnership
- Mobile Citizens
- Citizens in collaborative processes
- Multi-Dimensional Challenges:
  - ✓ Environmental Sustainability, Smart Energy and Utilities
  - ✓ Smart Transportation – The Cornerstone of Smart City Development
  - ✓ Traffic Management/M2M Traffic
  - ✓ Smart Building and Smart Homes
  - ✓ Smart Grid Divide
  - ✓ Social Innovation
  - ✓ Social Network & Smarter Government
- Urban and Rural Planning

PARALLEL SESSION
11:30 am – 1:15 pm

S8 IoT: The Digital Transformation

The Internet of Things (IoT) is becoming reality. Gartner estimates 30 billion connected things by 2020. These things are made up of a physical object; embedded processing, actuators, sensors; and connectivity. As processing gets cheaper and data communication pervasive, almost any device could be as powerful as the most powerful computer. Together, this is transforming the product into a conduit to services with value shifting from the product to the service(s) the product represents. It is a shift towards an “Everything-as-a-Service” world, where products are service avatars and treated as upgradeable computers. These developments rewire the commerce value chain into intricate ecosystems with multiple stakeholders where power can be asserted through power over standards, technology, networks and code.

This session will discuss how the IoT drives the next evolution of Business: can we already identify a "new normal" in the marketplace, is value being fairly distributed, are conflicts solved through power struggles, etc.? Topics that will be debated include:

- Ownership in the IoT: Will Code and Remote Control Trump Property Rights?
- Automation of Processes and Value Creation
- When “You Are Your Information": Issues of Access, Control and Protection of Data
- The Role of the Consumer-citizen in a Marketplace of Connected Things
- Consumer Empowerment or "the Internet of Someone Else's Things«
- Reconciling interests in the ecosystems

Tuesday September 29th PM 2:30 pm – 4:00 pm

PARALLEL SESSION
2:30 pm – 4:00 pm

S9: ICT: The Arctic Region Perspective in a Global Context of Collaboration and Creativity

With the Cooperation of Arctic Council

- ICT infrastructure: Satellite/Wireless/Wired: Including Fiber and cable / Services VoIP, IP-based audio and video / Emerging Technologies
- The Impact of ICT in:
  - ✓ Rural Areas & Remote Regions in a Climatic and Geographic Extremes
  - ✓ Energy & Environment
  - ✓ Connected Schools
  - ✓ Connected Health
  - ✓ Connected Homes
  - ✓ Human Dimension: Cultural and Language Issues & Training and Education
  - ✓ Transportation and Rescue Development
- Economic Opportunities
  - ✓ Tourism and Adventure Industry
  - ✓ Experience and Entertainment Industries
- Stakeholder Collaboration

INTERNATIONAL STEERING COMMITTEE

EUROPE & MIDDLE EAST

Ingrid Andersson, Senior Executive Advisor, Patient Certificate Ltd, Sweden; **Aharon Aviram,** Chair, Center for Futurism in Education Department of Education, Ben-Gurion University, Israel; **Jean-Pierre Chamoux**, Professor, University Paris Descartes, France; **Bruno Chazal,** Head of Core Market Telecommunications Programs, CNES - French Space Agency, France**; Isabella de Michelis di Slonghello**, Vice-President, Public Policy & Government Affairs, EMEA, Qualcomm Technologies, Inc. (QTI), Italy; **Ann-Mari Fineman,** Head of Department, IT Applications and Services, VINNOVA-Swedish Governmental Agency for Innovation Systems, Sweden; **Julia Glidden,** Managing Director, 21C United-Kingdom; **John Giusti,** Head of Spectrum, GSMA, the United-Kingdom; **Stéphane Grumbach**, Senior Scientist, INRIA; Deputy director IXXI, Complex Systems Institute, ENS Lyon, France; **Hugo Kerschot**, Founder, IS- Practice, Belgium; **Latif Ladid,** President IPv6 Forum, Luxembourg; **Eric Legale**, Managing Director Issy Media, City of Issy-les-Moulineaux, France; **Karim Lesina**, Executive Director, International External Affairs EU, Caribbean, Central and Latin America, AT&T, Belgium; **Suvi Linden**, Special Envoy, UN´s Broadband Commission, Finland **Hanne Melin Olbe,** Policy Strategy Counsel, eBay Inc.Public Policy Lab EMEA, Belgium; **Jeremy Millard,** Senior Consultant**,** Danish Technological Institute, Denmark**; Mario Po'**, Executive Director, Azienda Ulss Venezia, Italy**; Pascal Poitevin**, Head of Department, Secretary of the Strategie Committee of InformationSystems, Institut de l'Elevage, France; **Gérard Pogorel,** Professor of Economics and Management-Emeritus, Telecom ParisTech, France; **Bent Poulsen**, Chief Auditor, VP Securities, Denmark; **Andrew Robinson,** Chairman ECCO – European Commercial and Consular Office**,** United-Kingdom; **Alfredo M. Ronchi,** Secretary EC Medici Framework, Politecnico di Milano, Italy; **Outi Rouru,** Senior Advisor, International Affairs, Development Department City of Oulu, Finland; **Jean-François Soupizet,** Principal Advisor, Close the Gap, France**; Véronique-Ines Thouvenot**, Co-founder & Scientific Director, Millennia 2025 Foundation, France; **Colin Williams,** Director SBL, United-Kingdom

ASIA & OCEANIA

Nitya Karmakar, Macquarie City Campus, Macquarie University, Sydney, Australia; **Thomas Hart**, Regulatory Expert, EU-China Information Society Project, China; **Rajkumar Prasad,** CEO Commonwealth Centre for e-Governance India; Founder President Institute for Electronic Governance & Development, India; **Yoshio Tanaka,** Professor Tokyo University of Science, Japan; **Makoto Yokozawa,** Professor of Joint Research Unit; Kyoto University, Japan; **Sarah Zhao,** Partner Perkins Coie LLP, China

NORTH AMERICA

Kathryn Brown, CEO, Internet Society; **Rosa Bruno-Jofré**, Professor and Former Dean of Education Queen's University, Canada; **Patricia Cooper**, President, Satellite Industry Association - SIA, USA; **Timothy C. Finton,** Senior Counsellor for International Communications and Information Policy, US Department of State, USA; **Angela E. Giancarlo,** Partner Mayer Brown LLP, USA; **Jay E. Gillette,** Secretary Digital Policy Institute, Professor, Center for Information and Communication Sciences, Ball State University; **David Gross,** Partner & Attorney at Law Wiley Rein LLP, USA; **Ellwood Kerkeslager,** CEO Information Futures L.L.C., USA; **Andrew D. Lipman**, Partner and Head of Telecom Group at Bingham McCutchen, USA; **Willie Lu,** Co-Founder, Technaut Intellectual Ventures, USA; Chief Inventor and "Father", Open Wireless & Mobile Cloud Platforms for Mobile Devices, USA; **Jane Mago**, Senior Vice President and General Counsel Legal & Regulatory Affairs, NAB, USA; **Gabrielle McLaughlin,** Senior Research Fellow GWU George Washington University, USA; **Samia Melhem**, Lead ICT Policy Specialist, Chair eDevelopment Group, Information and Communication Technologies Sector Unit, World Bank Group; **Kevin O'Malley**, President TechTalk/Studio; Chairman, Business and Leadership Forum, Commonwealth Club of California, USA;**Brent Olson**, Vice President - Public Policy, AT&T, USA; **Thomas J. Rosch,** Counsel Antitrust & Competition Practice, Latham & Watkins LLP, USA; **Jacquelynn Ruff,** Vice-President, International Public Policy & Regulatory Affairs Verizon, USA; **Alan Shark,** Executive Director, PTI – Public Technologies Institute; Associate Professor of Practice, Rutgers University School of Public Affairs & Administration, USA; **Dan Shoemaker**, Director and Senior Research Scientist, International Cyber Security Education Coalition – ICSEC, Contracted to the US Department of Defense, USA; **Michaël Stankosky**, Research Professor, George Washington University, USA; **Theresa Swinehart,** Senior Advisor to the President on Global Strategy, ICANN - Internet Corporation for Assigned Names and Numbers; **Paul Wormeli**, Executive Director Emeritus Integrated Justice Information Systems (IJIS) Institute, USA

AFRICA

Amadou Daffé, CEO & Co-Founder, Coders4Africa Inc, USA; **Effat El Shooky,** Technical Director, WBDC & Founder, CKI&SE Initiative, Egypt ; **Dorothy K. Gordon**, Director-General, Ghana-India Kofi Annan Centre of Excellence in ICT; **Anne-Rachel Inné**, Chief Operations Officer, AFRINIC- African Network Information Center, Mauritius; **Lumko Mtimde, CEO,** Media Development and Diversity Agency (MDDA), South Africa; **Alice Munyua**, Chair Kenya Internet Governance Steering Committee; convenor of the East Africa Internet Governance Forum, Kenya; **Izzeldin Osman**, Professor Sudan University of Science and Technology of Khartoum, Sudan; **Madeleine Scherb**, Economist/President Health and Environment Program, Cameroon; **Faouzi Zaghbib,** Founder and Board Member AFICTA (the African IT alliance), Tunisia

Registration Form

Please complete one Registration Form per participant

Registration fees cover admission to all meetings and events

MONDAY 28TH & TUESDAY 29TH SEPTEMBER 2015, OULU, FINLAND

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

COMPANY…….....**VAT Company/Organization Number**……..……....
NAME…… **FIRST NAME** ....…….....
TITLE/POSITION.....….....……
STREET.....……..
CITY/ZIP.....……**STATE**……**COUNTRY**…....…..…….....
TEL.....……**FAX**.....……
EMAIL.....……

FEE* Taxes not included	IF PAID BEFORE AUGUST 15TH 2015	IF PAID AFTER AUGUST 15TH 2015
FIRST REGISTRANT	**Euro 1400**	**Euro 1800**
SME & ADDITIONAL REGISTRANT - 15 % DISCOUNT	**Euro 1190**	**Euro 1530**
GOVERNMENT & NON PROFIT - 50%	**Euro 700**	**Euro 900**

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Cancellation conditions: Cancellations must be received by August 24th, 2015. After that date, there will be a 50% cancellation fee.
Registrants who do not attend and who do not cancel before August 31st 2015 will be liable for the entire registration fee.
Registration fees cover admission to all meetings, lunches and cocktail receptions, and certain special events.

For More Information on

SPONSORSHIPS & REGISTRATION

GLOBAL FORUM / Shaping the Future 2015

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