



Carlo Calenda

Minister of Economic Development

A digital revolution is under way, with disrupting effects on our economies and societies.

The pace at which this is happening is unprecedented and policy-makers must find innovative solutions to the many challenges posed by technological change. Governments have much to learn from engaging different stakeholders - civil society, industry, academia, think tanks, ONGs - into a frank and open dialogue.

This Multistakeholder Conference, which takes place just before the G7 ICT and Industry Ministerial meeting, will stimulate views on how G7 governments can tackle the "Next Production Revolution", inspired by the key policy priorities set by the Leaders during the Taormina Summit: **inclusiveness**, **openness** and **security**. Our G7 Ministers' Meeting, in fact, is driven by these three guiding principles.

We need to strive to *include* SMEs - the backbone of our economies - into the new era, so as they are able to get the most of it. Data, a new commodity, is a key element for policy-makers to work on. We need to make sure that their free flow is guaranteed, while respecting privacy and security concerns. *Openness*, therefore, also applies to the Internet, which implies *per se* a multistakeholder approach. Artificial Intelligence is bringing and will further bring forward terrific opportunities but also challenges for our societies. Finally, we cannot leave aside the *security* aspect of the digital economy, which requires governments to define cybersecurity policies for businesses and especially for SMEs.

I wish all participants a fruitful discussion.



Topics and goals of the Conference

Since the early 1980s, no profound analysis of emerging technological changes has been able to predict the speed at which modifications have occurred and are still occurring, or the resulting impact on society and markets. In particular, the digital economy is offering opportunities to spur innovation, increase competitiveness and foster sustainable growth and job creation, provided that pressing policy challenges brought about by the transformation underway are addressed. Governments have to put in place coherent and comprehensive policy frameworks to enable change, and ensure that the digital economy benefits all, while mitigating the potential disruption that the new technologies can have on the labour market, on society, on the business community and on the public sector itself. Moreover, as the Internet connects everybody, its governance needs to be shared starting from clear, fair, inclusive and transparent principles for the global community and for every single citizen.

The “ICT and Industry Multistakeholder Conference” aims at discussing with representatives and experts of civil society, industry, SMEs, academia, research centres, think tanks etc. the priorities outlined by the Italian Presidency of the G7 in Taormina in May 2017 and at supporting with proposals the ICT and Industry Ministers who will translate the Leaders’ decisions into concrete actions.

The ICT and Industry Multistakeholder Conference is expected to deliver an outcome, following the four working sessions: SMEs And The Digital Transformation; “Datafication”: Free Flow Of Information And Sustainable Growth; Securing The Cyberspace For Business; Towards A Beneficial A.I. In Digital Society.

G7 ICT and Industry Multistakeholder Conference

Live streaming on the dedicated section of the Industry/ICT Ministerial Meeting on the Italian G7 2017 Presidency's website (www.g7italy.it)

Registration of Participants, 09:45 - 10:45



OPENING

10:45

Welcome:

Antonello Giacomelli

State Secretary, Italian Ministry of Economic Development

Introduction:

Diego Piacentini

Commissioner for the Digital Agenda, Italian Prime Minister's Office

Göran Marby

CEO and President, ICANN

Andrew Wyckoff

Director for Science, Technology and Innovation, OECD



SESSION 1: SMEs AND THE DIGITAL TRANSFORMATION

11:15 - 12:30

SMEs face challenges in the uptake and use of ICTs, but also have important opportunities to benefit from digital technologies, through engaging in global e-commerce, accessing new markets and achieving efficiency gains. Policies to further promote technology transfer capabilities of universities and research organizations to the benefit of start-ups and SMEs, as well as policies to improve technical and managerial skills of the workforce, will be critical for bridging the divergence between innovators and laggards, so as to ensure more innovation-driven and inclusive growth.

Key note: **Alfonso Gambardella**, *Professor of Corporate Management and Director of the Department of Management & Technology, Università Bocconi, Milan*



Panellists

Moderator: **Andrea Cabrini**, *Managing Editor, ClassCnbc / Co-director, MilanoFinanza*

Laurent Blanchard, *Executive Vice-President, Global Field Operations (EMEAR), Worldwide Alliances and Services, Dassault Systèmes*

Stefan Drüssler, *COO of UnternehmerTUM, TUM Entrepreneurship Research Institute*

Mohammad Ehteshami, *Vice President & General Manager, GE Additive*

Jeremy Silver, *CEO, Digital Catapult Centre*

Ilse Treurnicht, *CEO, MaRS Discovery District*

Q & A (20')



LIGHT LUNCH, 12:30 - 13:45



SESSION 2: "DATAFICATION": FREE FLOW OF INFORMATION AND SUSTAINABLE GROWTH

13:45 - 15:00

As the Internet continues to evolve and goods and services produced get more and more digital, the amount of data originating from governments, businesses and citizens is quickly increasing. At the same time, the ability to collect, process and exploit the wealth of data created in cyberspace, including personal data, may favour concentration and greater information asymmetry and invites new thinking on how to preserve fundamentals such as privacy and cybersecurity.. A multi-stakeholder and international approach is needed to ensure the free flow of information, and to put in place policies, grounded in respect of the rule of law, that reinforce the Internet's openness and its distributed and interconnected nature, while respecting applicable frameworks for privacy and data protection, and strengthening digital security.

Key note: **Viktor Mayer-Schönberger**, *Professor of Internet Governance and Regulation, Oxford University*



Panellists

Moderator: **Luca De Biase**, *Innovation Editor, Il Sole 24 Ore and Nòva24*

John Frank, *Vice President EU and Government Affairs, Microsoft*

Toshinori Kajiura, *Chair of Global Strategy Working Group Committee on Information and Telecommunication Policy, Keidanren*

Rob Sherman, *Deputy Chief Privacy Officer, Facebook*

Sally Shipman Wentworth, *Vice President of Global Policy Development, Internet Society*

Q & A (20')



SESSION 3: SECURING THE CYBERSPACE FOR BUSINESS

15:05 – 16:20

The increasingly wide use of ICTs implies growing risks of cyber incidents that can cause severe disruptions to social activities and major economic damage to businesses. Digital security is a multifaceted policy area, therefore a whole-of-society perspective needs to be adopted, to create the conditions for all stakeholders to effectively manage digital security risk. Governments need to further develop national digital security strategies, and business should include cybersecurity in their risk management strategies. . Security standards, cybersecurity frameworks, interoperability and certification schemes, as well as efforts to make cybersecurity less onerous while providing more effective defences, are all strategic points to be addressed.

Key note: **Edward W. Felten**, Robert E. Kahn Professor of Computer Science and Public Affairs, and founding Director of Princeton's Center for Information Technology Policy, Princeton University



Panellists

Moderator: **Carola Frediani**, Editor, La Stampa / co-founder, Effecinque media agency

Rocco Mammoliti, Chief Information Security Officer, Poste Italiane S.p.A.

Adam Sedgewick, Technology Policy Advisor, Office of Policy and Strategic Planning, US Department of Commerce

Roberto Viola, Director General, DG CONNECT (Directorate General of Communication, Networks, Content and Technology), European Commission

Shinichi Yokohama, Head of Cybersecurity Integration, NTT Corporation

Q & A (20')



SESSION 4: TOWARDS A BENEFICIAL A.I. IN THE DIGITAL SOCIETY

16:25 - 17:40

The development of AI technologies has the potential to improve people's lives by helping to solve some of the world's greatest challenges and inefficiencies. The technology progress, and the staggering growth of computational power, transmission and storage capabilities, combined with the advancement of machine learning algorithms, is making it possible for machines to work alongside humans in solving complex tasks, opening the way to solutions that have the potential to deeply transform our way of living. Over the next ten years, given the rapid diffusion of AI technologies, we will witness the transformation of a range of industries, we will be able to solve complex global challenges such as those related to the environment, urbanization and health, but we will also be faced with a raising number of questions on how to best govern the changes brought by this major technological revolution. To take advantage of this opportunity, we need new shared ethical values, that must be elaborated and disseminated and we need to raise awareness of both the future benefits and challenges of AI. This effort needs the involvement of all stakeholders - citizens, researchers, policy makers, entrepreneurs, consumers - to build a common understanding and fair development of these technologies.

Key note: **Roberto Cingolani**, Scientific Director,
Istituto Italiano di Tecnologia



Panellists

Moderator: **Kadhim Shubber**, Technology Expert, *Financial Times*

Alan Bernstein, President and CEO, *CIFAR Canadian Institute for Advanced Research*

Bertrand Braunschweig, Director, *Inria Saclay Research Centre*

Ralf Herbrich, Director of Machine Learning, Amazon / Managing Director,
Amazon Development Center Germany

Francesca Rossi, Professor of Computer Science, *Università degli Studi di Padova*
(on leave) / Research Scientist, *IBM Watson Research Centre*

Q & A (20')



WRAP-UP, 17:45 – 18:45

Summary of the side events presented to G7 Ministers by :

- Scientific Coordinator session 1: **Marco Gilli**, *Rector and Professor of Electrical Engineering, Politecnico di Torino*
- Scientific Coordinator session 2: **Guido Scorza**, Lawyer, Regulatory Affairs, Digital Team at the Prime Minister's Office
- Scientific Coordinator session 3: **Roberto Baldoni**, Full Professor of Distributed Systems at Università degli Studi di Roma "La Sapienza", President of the Italian Committee for Cybersecurity Research
- Scientific Coordinator session 4: **Guido Boella**, Full Professor in Computer Science, Università degli Studi di Torino
- I-7: **Diego Piacentini**, Commissioner for the Digital Agenda, Italian Prime Minister's Office

*Moderator: **Marco Zatterin**, Deputy Editor, La Stampa*

Comments and reactions by the G7 ICT Industry Ministers; Carlo Calenda, *Italian Minister of Economic Development*



OPENING

G7 ICT and Industry Multistakeholder Conference



Welcome:

Antonello Giacomelli

Introduction:

Diego Piacentini

Göran Marby

Andrew Wyckoff





Antonello Giacomelli

Italian Ministry of Economic Development - State Secretary

Antonello Giacomelli (born in Prato in 1962), is State Secretary of the Italian Ministry of Economic Development - Telecommunications. Married, three children, professional journalist, started working for Tvr Toscana, then passed to the Cecchi Gori Group as an editor of the regional broadcasting tv Canale 10 (Channel 10).

He was the Chairman of the Board of Directors of Metastasio theater, bringing it to the role of civic theatre and resident company for prose. Deputy Mayor of Prato from 1999 to June 2004, he enforced the reform of local public services, in particular in the sectors of energy and networks.

In February 2004 he became secretary of Margherita political party for the Tuscany and was elected as a member of parliament, a role confirmed in the next three elections, in 2006, 2008 and 2013. In 2008 he became a member of the national executive staff of Democratic Party. He has been nominated Undersecretary of State by the President of the Council Renzi in 2014 and confirmed at the end of 2016 in the new Government by the President of the Council Gentiloni.



Diego Piacentini

Italian Prime Minister's Office - Commissioner for the Digital Agenda

Diego Piacentini has started in August 2016 a new activity: working pro-bono for two years for the Italian government and helping with the digital transformation of the public administration.

He is currently on a leave from Amazon.com, where he has worked for 16 years in Seattle as Senior Vice President of the International Consumer Business.

Diego is on the Board of the Maasai Association, supporting education and health initiatives in Kenya and an investor in Unitus Seed Fund, a seed-stage venture investment fund based in Bangalore and Seattle that invests in startups innovating for the masses in India.

He is a prominent mentor of Endeavor Global and is a board member of Endeavor Italy which he helped launch in 2016.

He is also member of the Expert Advisory Group (EAG) established to provide strategic guidance on the OECD's 2- year, multidisciplinary project on Going Digital: Making the Transformation Work for Growth and Well-being.

Diego holds a degree in Economics from Bocconi University of Milan and was awarded "Bocconiano dell'anno" in 2010.



Göran Marby

ICANN - CEO and President

Göran Marby brings over 20 years experience as a senior executive in the Internet and technology sector, as well as his leadership as Director General at the independent regulatory body Swedish Post and Telecom Authority (PTS), where he worked closely with international organizations and standards bodies.

Prior to this, he served as CEO and founder of Appgate, a Swedish security software company (now Cryptzone in the U.S), where he grew the organization to a global company with customers in 35 countries and operations in the U.S.

Before his seven years at Appgate, he was CEO for the advanced networks company Cygate Group (now owned by TeliaSonera) where he spearheaded operations in five countries with revenues in the range of 120 million euros. And as Country Manager for Cisco in Sweden, Marby led sales of all products and services.

He currently serves on several Boards including: The Swedish Broadband Forum, The Swedish E-identification Board and the Body of European Regulators for Electronic Communications (BEREC).



Andrew Wyckoff

OECD - Director for Science Technology and Innovation

Andrew W. Wyckoff is the Director of the OECD's Directorate for Science, Technology and Innovation (STI) where he oversees OECD's work on innovation, business dynamics, science and technology, information and communication technology policy as well as the statistical work associated with each of these areas.

His experience prior to the OECD includes positions at the US Congressional Office of Technology Assessment (OTA), the US National Science Foundation (NSF) and The Brookings Institution.





SESSION 1

SMEs AND THE DIGITAL TRANSFORMATION



Key note:

Alfonso Gambardella

Moderator:

Andrea Cabrini

Panellist:

Laurent Blanchard

Stefan Drüssler

Mohammad Ehteshami

Jeremy Silver

Ilse Treurnicht

Scientific Coordinator:

Marco Gilli





Alfonso Gambardella

Università Bocconi, Milan - Professor of Corporate Management and Director of the Department of Management & Technology

Professor of Corporate Management and Director of the Department of Management & Technology of Bocconi University, Milan, obtained his PhD in 1991 from the Department of Economics of Stanford University. He is a renowned world academic expert in the economics and management of technological innovations and the technology strategies of firms. Along with publications in leading international journals, his book, *Markets for Technology* (with Ashish Arora e Andrea Fosfuri, MIT Press) is widely cited. He has been a visiting professor at the Department of Economics, Stanford University (2003), and the Sloan School of the Massachusetts Institute of Technology (MIT) (2015-16). He is Co-Editor of *Strategic Management Journal* and in 2015-16 he has been Chair of the Business Policy and Strategy Division of the US Academy of Management. He participated in numerous research projects of the European Commission and other research agencies.

His website is www.alfonsogambardella.it



Andrea Cabrini

ClassCnbc - Managing Editor

MilanoFinanza - Co-director

Andrea Cabrini is the Managing Editor of ClassCnbc, the Italian arm of Cnbc and the leading Italian financial and economic channel, on air live on the Sky satellite platform (channel 507) and streaming on Milano Finanza portal (www.milanofinanza.it).

In September 2012 he was also appointed Co-Managing Editor of Milano Finanza, the financial newspaper of Class Editori.

Cabrini is an experienced financial journalist and anchor, with three decades of experience covering financial markets, asset management and private investments.

His weekly talk show Partita Doppia is the first show on the Italian television dedicated to business , politics and finance.

Prior to joining Class Editori, Andrea Cabrini has been working for ten years as Editor in Chief at Mediaset, the first private broadcasting company in Italy.

He left in 2000 to develop the launch of the newly born TV channel ClassCnbc and to develop the broadcasting activities of Class Editori.

He studied Political Sciences at the Università degli Studi di Milano and became journalist after a master at IFG, Istituto per la Formazione al Giornalismo, in 1986.

He's fluent in English and French. He's 51, lives in Milan and has two sons.



Laurent Blanchard

*Global Field Operations (EMEAR), Worldwide
Alliances and Services, Dassault Systèmes -
Executive Vice-President*

Laurent Blanchard is in charge of developing the EMEAR market and the global ecosystem of Consulting and System Integrators Partners.

Prior to joining Dassault Systèmes in April 2014, Mr Blanchard was Vice President of Cisco's Enterprise Business Group with responsibility for accelerating technology growth in Enterprise, Public Sector and Commercial markets in Europe, Middle East, Africa and Russia (EMEAR) region. He had joined the company in 2007 as Managing Director.

A graduate of ENSEM in Nancy (France), Mr Blanchard started his career at IBM France in 1989 and then held several positions at UNIX, SAP and Compaq at European level. After the merger of Compaq with HP, he became vice-president, managing director of HP France.

A firm believer that new technologies shape the future for the better, Mr Blanchard is the author of "Optimisme durable".



Stefan Drüssler

*TUM Entrepreneurship Research Institute - COO of
UnternehmerTUM*

Stefan Drüssler is Chief Operating Officer of UnternehmerTUM. He supports the whole organization with over 150 employees to thrive for operational excellence, dedication to its strategy and determined cooperation of all departments.

Before joining UnternehmerTUM early in 2017, Stefan Drüssler has gained a broad experience in advancing organizations during a broad number of projects as Strategy Consultant for The Boston Consulting Group since 2010.

Today UnternehmerTUM is the biggest university-based center for innovation and business creation in Europe with more than 50 new technology startups per year. UnternehmerTUM offers founders and start-ups a complete service, from the initial idea all the way to stock market flotation. A team of experienced entrepreneurs, scientists and managers supports founders with the development of their products, services and business models. The experts accompany them actively with building up their companies, market entry and financing - also via Venture Capital.



Mohammad Ehteshami

GE Additive - Vice President & General Manager

Mohammad Ehteshami is Vice President & General Manager of GE Additive.

Before that he was Vice President of Engineering for GE Aviation, where he led a team of 8,000 engineers to design, test and certify commercial and military aircraft engines.

Mohammad has more than 33 years of experience in Engineering, Manufacturing and Product Management with GE. His career spans Aviation, Oil and Gas and now Additive.

Mohammad began his career as a design engineer in military engines that power F-16 and B1 bomber planes. He then designed and managed the CFM56 and GE90 commercial engine programs. Throughout his career, Mohammad has worked and lived in France, Italy and the USA.

Mohammad has led several GE affinity organizations including the Asia Pacific American Forum (APAF) and African American Forum (AAF). He is an avid supporter of STEAM (Science, Technology, Engineering, Art and Math).

Mohammad lives in Ohio with his wife Zari and sons Darius, Cameron and Kevin. He has a bachelor's degree in mechanical engineering from Old Dominion University and a master's degree in mechanical engineering from the University of Cincinnati.



Jeremy Silver

Digital Catapult Centre - CEO

Jeremy Silver is CEO of the Digital Catapult. He is an author and entrepreneur specialising in digital media, big data, music and the creative industries. He is a non-executive director of a number of early stage companies in music and media. He is a member of the UK Creative Industries Council and was Executive Chairman of Semetric Ltd (acquired by Apple), CEO of Sibelius Software (acquired by Avid) and Worldwide Vice-President of New Media for EMI Group in Los Angeles. He was an advisor to the founders of Shazam. He co-founded Uplister in San Francisco, which was the world's first playlist-sharing music service. He is the author of an acclaimed book *Digital Medieval: the first twenty years of music on the web - and the next twenty*. His discussion paper *Blockchain or Chaingang* was published by CREATE at the University of Glasgow, where he is an Industry Fellow.



Ilse Treurnicht

MaRS Discovery District - CEO

Ilse Treurnicht is CEO of MaRS (marsdd.com), a large-scale innovation hub in Toronto. MaRS supports entrepreneurs building growth businesses, providing access to critical talent, capital and customer networks. In addition, MaRS works with partners to accelerate adoption and diffusion of innovation in key sectors. Ilse joined MaRS in 2005 from her role as CEO of Primaxis Technology Ventures. She was Chair of the Canadian Task Force on Social Finance (2010), served on the Science, Technology and Innovation Council (STIC) and is a member of the Advisory Council on Economic Growth. Ilse holds a DPhil in chemistry from Oxford University, which she attended as a Rhodes Scholar.



Marco Gilli

Politecnico di Torino - Rector and Professor of Electrical Engineering

Marco Gilli (born in 1965, Torino, Italy) is Professor of Electrical Engineering at the Politecnico di Torino. On February 21st 2012 he was elected Rector of the Politecnico di Torino.

His research activity is mainly focused in the field of nonlinear circuits and systems, cellular neural/nonlinear networks, nonlinear network theory and applications and partially in the field of electromagnetic theory. He is also author or coauthor of more than 70 international journal papers and more than 100 international conference contributions.

Since January 2005, Marco Gilli is a Fellow of the Institute of Electrical and Electronics Engineers (IEEE). As Rector, he has been responsible for the partnership agreements with leading international companies and industries, like FCA, GM, GE-Avio, Thales-Alenia, Enel, ENI, EDF, State Grid China. Since December 2016 he has been a member of the Board of Directors of the Links Foundation- Leading Innovation & Knowledge for Society (founded by Compagnia di San Paolo and Politecnico di Torino) and a member of the Scientific Committee of ENEL Centro Studi Foundation.





SESSION 2

"DATAFICATION":

FREE FLOW OF INFORMATION AND SUSTAINABLE GROWTH



Key note:

Viktor Mayer-Schönberger

Moderator:

Luca De Biase

Panellist:

John Frank

Toshinori Kajiura

Rob Sherman

Sally Shipman Wentworth

Scientific Coordinator:

Guido Scorza





Viktor Mayer-Schönberger

Oxford University - Professor of Internet Governance and Regulation

Viktor Mayer-Schönberger is Professor of Internet Governance and Regulation at Oxford University. Before that for a decade he was a professor at Harvard University. He has published ten books, including the international bestseller "Big Data" (co-authored with Kenneth Cukier, translated into more than 20 languages) and the awards-winning "Delete: The Virtue of Forgetting in the Digital Age". He is the author of over a hundred articles on the governance of information.

Mayer-Schönberger studied in Salzburg, Harvard and at the London School of Economics. In 1986 he founded Ikarus Software and developed the Virus Utilities, which became the best-selling Austrian software product. He was voted Person of the Year for Salzburg in 2000. He has chaired the Rueschlikon Conference on Information Policy in the New Economy.

He is on the boards of foundations, think tanks and organizations and advises governments, businesses and NGOs on new economy and information society issues.



Luca De Biase

Il Sole 24 Ore and Novaz4 - Innovation Editor

Innovation editor at Il Sole 24 Ore and Nòva24 (which he founded in 2005), editor at La Vita Nòva, award winning tablet magazine, innovation journalism visiting professor at Padua University; member of the Scientific Committee at master in sciences communications at Sissa Trieste; Member of the Commission for rights and duties on the internet, Chamber of Deputies at the Italian Parliament; James W. Carey Award for Outstanding Media Ecology Journalism 2016.



John Frank

Microsoft - Vice President EU and Government Affairs

John Frank is Microsoft's Vice President, EU Government Affairs. In this role, John leads Microsoft's government affairs teams in Brussels and European national capitals on EU issues.

John was previously Vice President, Deputy General Counsel and Chief of Staff for Microsoft President and Chief Legal Officer Brad Smith based at Microsoft's corporate headquarters in Redmond Washington.

In this role, he managed several teams including the Law Enforcement and National Security team, the Industry Affairs group, Corporate, Competition Law and Privacy Compliance teams and the department's technology and business operations team. For his first eight years at Microsoft, John was based at Microsoft's European headquarters in Paris. Initially he was responsible for the legal and regulatory issues involved in the launch of the Microsoft Network (now MSN).

From 1996 to 2002, Mr. Frank led Microsoft's Legal and Corporate Affairs group for Europe, Middle East and Africa focusing on issues including privacy, security, consumer protection and antitrust. Mr. Frank began the company's European Government Affairs program, which focused on advocacy on software and online policy issues. Prior to joining Microsoft, John Frank practiced law in San Francisco with Skadden, Arps, Slate, Meagher & Flom. Mr. Frank received his A.B. degree from the Woodrow Wilson School of Public and International Affairs at Princeton University and his J.D. from Columbia Law School.



Toshinori Kajiura

*Keidanren - Chairman , Global Strategy Working Group
Committee on Information and Telecommunication Policy*

Currently Acting Chair, Sub-Committee, Information & Telecommunication Policy, KEIDANREN (Japanese Business Federation) and the Senior Researcher of HITACHI Group, he joined HITACHI as computer scientist and experienced R&D, marketing, business planning etc. around ICT business. He worked to create new technology, new economy and new regulation for ICT utilization. He worked on a business incubation division as a manager through 2005-2012.

He worked on policy meetings of KEIDANREN and cooperated with IT strategy of Japanese government in Koizumi & Asoh cabinets. Now he has a responsibility of proposal about Internet economy and Cyber security as a chair of working group. He is a regular member of international ICT conferences, for example US-Japan Internet Economy Dialogue and EU-Japan ICT Work Shop through 2012.

At 2014, he adjusted as a document "US-Japan Internet Economy Private Working Group Joint Statement: A Call to Facilitate the Greater Flow and Utilization of Global Data "

<http://www.keidanren.or.jp/en/policy/2014/079.html>

He was a visiting professor of Tsukuba-University during 2012-2016.



Rob Sherman

Facebook - Deputy Chief Privacy Officer

Rob Sherman is the Deputy Chief Privacy Officer at Facebook, where he is responsible for managing the company's engagement on public policy issues surrounding privacy, security, and online trust. Collaborating with Facebook's product teams, regulators, and other key stakeholders, Rob works to build the company's core commitments to transparency, control, and accountability into every aspect of the Facebook service. Rob joined Facebook from Covington & Burling LLP, where he represented Facebook and other leading technology and digital media companies on regulatory and public policy issues relating to privacy, data security, electronic marketing and communications, and digital content. While in private practice, Rob was recognized by Chambers USA as one of the nation's leading media regulatory lawyers.



Sally Shipman Wentworth

Internet Society - Vice President of Global Policy Development

Sally Shipman Wentworth joined the Internet Society (ISOC) in May 2009 and is currently the Vice President of Global Policy Development where she leads the organization's public policy activities, guiding the development of public policies that support the global, open Internet. Sally also leads ISOC's policy engagement in a range of international organizations including the United Nations, the Internet Governance Forum and the International Telecommunications Union.

Prior to joining the Internet Society, Sally Shipman Wentworth was the Assistant Director for Telecommunications and Information Policy in the Office of Science and Technology Policy at the White House from 2007-2009. She was responsible for government-wide coordination and implementation of policies related to Internet governance; cybersecurity; telecommunications policy; and other information technology policies. From 1999 - 2007, Sally was the principal policy advisor on Internet policy issues at the U.S. Department of State.

Sally holds an M.A. in International Political Economy from the Claremont Graduate University (Claremont, California) and a B.A. in Political Science from Westmont College (Santa Barbara, California).



Guido Scorza

Italian Prime Minister's Office - Lawyer, Regulatory Affairs, Digital Team

Attorney at Law, Professor of Privacy Law at the University of Rome and journalist. He regularly holds seminars and workshops for public institutions and private companies. He is head of Italian and EU Regulatory affairs office in the digital team of Italian Government. He is the president of the "Istituto per le Politiche dell'Innovazione" (Institute for Innovation Policies) and correspondent for a range of journals and magazines (including Wired, L'Espresso, Il Fatto Quotidiano, Nova-Il Sole 24 ore). He has also published widely in national and international law reviews and he is author of some book on Internet law.



SESSION 3

SECURING THE CYBERSPACE FOR BUSINESS



Key note:

Edward W. Felten

Moderator:

Carola Frediani

Panellist:

Rocco Mammoliti

Adam Sedgewick

Roberto Viola

Shinichi Yokohama

Scientific Coordinator:

Roberto Baldoni





Edward W. Felten

Princeton University - Robert E. Kahn Professor of
Computer Science and Public Affairs
Princeton's Center for Information Technology Policy -
Founding Director

Edward W. Felten is the Robert E. Kahn Professor of Computer Science and Public Affairs at Princeton University, and the founding Director of Princeton's Center for Information Technology Policy.

In 2015-2017 he served in the White House as Deputy United States Chief Technology Officer. In 2011-12 he served as the first Chief Technologist at the U.S. Federal Trade Commission.

He has published more than 150 papers in the research literature, and two books.

He is a member of the U.S. National Academy of Engineering and the American Academy of Arts and Sciences, and is a Fellow of the ACM.



Carola Frediani

La Stampa - Editor

Effecinque media agency - Co-founder

Carola Frediani is co-founder of the media agency Effecinque.

She writes on technology, digital culture, privacy and hacking for the Italian daily *La Stampa*.

She is the author of *Dentro Anonymous. Viaggio nelle legioni dei cyberattivisti* (2012) and *Deep Web*.

La rete oltre Google - Personaggi, storie e luoghi dell'internet profonda (2014) and co-author of *Attacco ai Pirati* (2015).

Her latest book is *Guerre di rete* (Laterza, 2017).



Rocco Mammoliti

Poste Italiane S.p.A. - Chief Information Security Officer

Rocco Mammoliti holds more than 25 years of working and R&D experience in the Information Security, ICT Innovation & Cybersecurity fields. Currently he's Poste Italiane Chief of ICT Security Department.

In Poste he founded the PI-CERT (Computer Emergency Response Team) and the Cybersecurity District, he was the responsible of EECTF (European Electronic Cybercrime Task Force) and General Director of GCSEC (Global Cyber Security Center). In the past he was CISO in Telecom Italia, IT & SOC Manager in IT Telecom, CTO at Evidian-Bull-Italy and Security Consultant for Private and Public Institutions.

He hold a master degree in Electronic Engineering and he carried out extensive research activities at the CNR, at IEI-IIT-IFC Institutes, working on computer security, cryptography and multivariate statistical analysis. He hold also a Master's Degree in International Security Advanced Studies, Centre for Defense Higher Studies (CASD).

He's responsible of different EU R&D Projects (Horizon2020, EIT Digital), author of more than 40 scientific publications, member of different italian and EU cybersecurity working group, member of IEEE (Institute of Electrical and Electronic Engineers), IEEE Computer Society, IEEE Biomedical Engineers.



Adam Sedgewick

US Department of Commerce, Office of Policy and Strategic Planning - Technology Policy Advisor

Adam Sedgewick serves as Technology Policy Advisor for the Office of Policy and Strategic Planning at the Department of Commerce.

Previously, Adam served as senior Information Technology Policy Advisor at the National Institute of Standards and Technology.

In that role, Adam represented NIST on the Department of Commerce Internet Policy Task Force and advised NIST leadership on cybersecurity issues. Previously, Adam was Senior Advisor to the Federal Chief Information Officer Council, coordinating cross-agency initiatives and assisting in the implementation of policy and directives.

Adam served as Professional Staff Member for the Senate Committee on Homeland Security and Governmental Affairs for nine years, handling cyber security and federal information technology policy.



Roberto Viola

DG CONNECT (Directorate General of Communication, Networks, Content and Technology), European Commission - Director General

Roberto Viola is Director General of DG CONNECT (Directorate General of Communication, Networks, Content and Technology) at the European Commission.

He was the Deputy Director-General of DG CONNECT, European Commission from 2012 to 2015.

Roberto Viola served as Chairman of the European Radio Spectrum Policy group (RSPG) from 2012 to 2013, as Deputy Chairman in 2011 and Chairman in 2010. He was a member of the BEREC Board (Body of European Telecom Regulators), and Chairman of the European Regulatory Group (ERG) in 2007.

He held the position of Secretary General in charge of managing AGCOM, from 2005 to 2012. Prior to this, he served as Director of Regulation Department and Technical Director in AGCOM from 1999 to 2004.

From 1985-1999 he served in various positions including as Head of Telecommunication and Broadcasting Satellite Services at the European Space Agency (ESA).

Roberto Viola holds a Doctorate in Electronic Engineering and a Masters in Business Administration (MBA).



Shinichi Yokohama

NTT Corporation - Head of Cybersecurity Integration

Shinichi Yokohama leads cyber security public advocacy at NTT Corporation. In his capacity, he has been active in Japan, US and recently in ASEAN and Europe. In the US, he is a member of Communication Sector Coordinating Council, a DHS-led public-private initiative. He played a panelist role at White House Cyber Security Summit (February 2015) and DoC's NIST Cybersecurity Framework workshop (April 2016 and May 2017). In Asia, he moderated an international panel at ASEAN-Japan government workshop (October 2016 and July 2017). In October 2015, his team published a Japanese book, "Cyber Security for Business Executives" (English translation available on http://www.ntt.co.jp/topics_e/CfBE/).

He studied nuclear engineering at college, worked in METI of Japanese government for 8 years, and then moved to McKinsey Japan where he spent 18 years. He has a master's degree in Public Policy from Kennedy School of Harvard.

As his social contribution, he is a board member of Special Olympics Japan and a Leadership Council member of Special Olympics Asia Pacific.



Roberto Baldoni

Università degli Studi di Roma “La Sapienza” - Full

Professor of Distributed Systems

Italian Committee for Cybersecurity Research - President

Roberto Baldoni is Director of the Research Center for Cyber Intelligence and Information Security (CIS) of the University of Rome La Sapienza, Director of the Cyber Security National Laboratory at Consorzio Interuniversitario Nazionale Informatica and Coordinator of the National Committee for Cybersecurity Research born following an agreement between CNR and CINI.

He is coFounder and President of OverTechnologies, a Sapienza Spinoff on Smart Spaces Engineering and Italian Chair of the Cyber Security Working Group of the IT-US Bilateral Science & Technology Cooperation.

Roberto is also Project Coordinator of FILIERASICURA (Securing the Supply Chain of Domestic Critical Infrastructures from Cyber Attacks). FILIERASICURA is a Research Project funded by Cisco Research and Leonardo SpA whose consortium has a critical mass of academic scientists from 8 among the most prestigious Italian Universities.

In the past Roberto Baldoni has been PI of many national and international research projects for a overall funding of over 20 Millions euros and chair of the most prestigious international conferences on dependable and secure systems.



SESSION 4

TOWARDS A BENEFICIAL A.I. IN THE DIGITAL SOCIETY



Key note:

Roberto Cingolani

Moderator:

Kadhim Shubber

Panellist:

Alan Bernstein

Bertrand Braunschweig

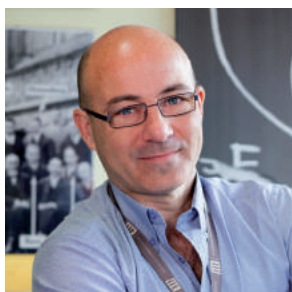
Ralf Herbrich

Francesca Rossi

Scientific Coordinator:

Guido Boella





Roberto Cingolani

Istituto Italiano di Tecnologia - Scientific Director

Roberto Cingolani (Milan, 1961) graduated in Physics and got the “Diploma di Perfezionamento” (PhD) in Physics at Scuola Normale Superiore in Pisa. Founder and Director of the National Nanotechnology Laboratory (NNL) of INFN in Lecce, he is the Scientific Director of the Fondazione Istituto Italiano di Tecnologia, Genova, since 2005. He was staff member at the Max Planck Institut für Festkörperforschung in Stuttgart (Germany) and Visiting Professor at the Institute of Industrial Sciences at Tokyo University (Japan) and at Virginia Commonwealth University (USA). Author and co-author of about 750 publications, he holds 48 patent families. During the years he has been in charge of various institutional roles at national and international levels. Among Prof. Cingolani’s awards and honors are: two Prizes of the Italian Physical Society for young researchers, the INFN Prize Ugo Campisano for researchers in the field of Semiconductor Physics, the ST-Microelectronics Prize by the Italian Physical Society, the Premio Grande Ippocrate award for science dissemination by Unamsi and Novartis, the Guido Dorso award by the Italian Republic Senate for his Research Activity. The title of “Alfiere del Lavoro” and the title of “Commendatore della Repubblica” by the President of the Italian Republic.



Kadhim Shubber

Financial Times - Technology Expert

Kadhim Shubber is a reporter at the Financial Times and writes about business, technology and markets for the FT's Alphaville blog.

Before joining the Financial Times, he freelanced as a technology reporter and originally trained as a physicist at Imperial College London.



Alan Bernstein

*CIFAR Canadian Institute for Advanced Research -
President and CEO*

Dr. Alan Bernstein, President & CEO of CIFAR, earned his Ph.D. from the University of Toronto and postdoctoral research at the Imperial Cancer Research Fund Laboratories in London (UK). He joined the Ontario Cancer Institute; University of Toronto; was appointed to the Samuel Lunenfeld Research Institute and served as Director of Research from 1994-2000.

Dr. Bernstein, founding president of CIHR, the Canadian Institutes of Health Research, led the transformation of health research in Canada (2000 - 2007), then served as executive director of the Global HIV Vaccine Enterprise (2008 - 2011), an international alliance of funders charged with accelerating the development of an HIV vaccine.

Author of over 200 peer reviewed publications and more than 60 articles in the lay press, Dr. Bernstein's contributions to science have been recognized with many awards and honorary degrees.

He serves on advisory and review boards for governments, foundations and research institutions. He is a Senior Fellow of Massey College and Distinguished Fellow of the Munk School of Global Affairs; an Officer of the Order of Canada; Canadian Medical Hall of Fame Laureate; and recipient of the 2017 Henry Friesen International Prize in Health Research.



Bertrand Braunschweig

Inria Saclay Research Centre - Director

Bertrand Braunschweig is ENSIE engineer, PhD from Paris-Dauphine University and Habilitation from University of Paris VI. After a career as a researcher in systems dynamics and artificial intelligence in the petroleum industry, he joined IFP Energies Nouvelles to lead the research activities in AI and to coordinate international projects for defining interoperability standards for processes modeling and simulation.

President of the French Association for Artificial Intelligence for four years, he joined the National Research Agency in 2006 as head of several research programmes and then from January 2009 as head of ANR's ICT department. He then held the position of director of Inria Rennes - Bretagne Atlantique research centre for four years and was advisor to the president of Inria in the field of artificial intelligence, before becoming director of Inria Saclay- Île de France research centre in early 2016.

In 2016 he coordinated the preparation of Inria's white book on Artificial Intelligence. In the beginning of 2017, he was co-ordinator of the "Industrialisation for Research Results" working group of #FranceIA, the French national strategy in artificial intelligence.



Ralf Herbrich

Amazon - Director of Machine Learning

Amazon Development Center Germany - Managing Director

Ralf is Director of Machine Learning at Amazon and Managing Director of the Amazon Development Center Germany. He works on problems of demand forecasting, scalable machine learning, computer vision and linking structured content. In 2011, he worked at Facebook leading the Unified Ranking and Allocation team. From 2000 - 2011, he worked at Microsoft Research and was co-leading the Applied Games and Online Services and Advertising group which engaged in research at the intersection of machine learning and computer games and in the areas of online services, search and online advertising combining insights from machine learning, information retrieval, game theory, artificial intelligence and social network analysis. Ralf was Research Fellow of the Darwin College Cambridge from 2000 - 2003. He has a diploma degree in Computer Science (1997) and a Ph.D. in Statistics (2000). Ralf's research interests include Bayesian inference and decision making, computer games, kernel methods and statistical learning theory. He is one of the inventors of the Drivatars system in the Forza Motorsport series as well as the TrueSkill ranking and matchmaking system in Xbox 360 Live. He also co-invented the adPredictor click-prediction technology launched in 2009 in Bing's online advertising system.



Francesca Rossi

Università degli Studi di Padova - Professor of Computer Science (on leave)

IBM Watson Research Centre - Research Scientist

Francesca Rossi is a distinguished research scientist at the IBM T.J. Watson Research Centre, and an professor of computer science at the University of Padova, Italy, currently on leave.

Her research interests focus on artificial intelligence. She is also interested in ethical issues in the development and behaviour of AI systems, in particular for decision support systems for group decision making. She has published over 170 scientific articles in journals and conference proceedings, and as book chapters, she has co-authored a book, and she has edited 17 volumes, between conference proceedings, collections of contributions, and special issues of scientific journals.

She is a AAAI and a EurAI fellow, and a Radcliffe fellow 2015. She has been president of IJCAI and an executive councillor of AAAI. She is Editor in Chief of JAIR and a member of the editorial board of Constraints, Artificial Intelligence, AMAI, and KAIS. She co-chairs the AAAI committee on AI and ethics and she is a member of the scientific advisory board of the Future of Life Institute and of the Leverhulme Centre for the Future of Intelligence. She is in the executive committee of the IEEE global initiative on ethical considerations on the development of autonomous and intelligent systems and she belongs to the World Economic Forum Council on AI and robotics. She is a member of the board of directors of the Partnership on AI, where she represents IBM as one of the founding partners.



Guido Boella

*Università degli Studi di Torino - Full Professor in
Computer Science*

Guido Boella is Full Professor at the Computer Science Department of University of Torino. He has a master degree in Philosophy and a PhD in Computer Science. His research is interdisciplinary and his main research field is Artificial Intelligence, in particular the topics of Multi Agent Systems, AI and Law, and Natural Language Processing.

He is author of over 200 scientific articles and leader of the research group on "Social Computing" composed of around 30 researchers. He has been and is scientific coordinator or author of several European and national research projects (the second prize winner project at H2020 European Capital of Innovation Award 2016 with Città di Torino, WeGovNow! on the H2020 Euro6 2015 call, Co-city on the Urban innovative action call).

He is vicecoordinator of the Erasmus Mundus/ Erasmus+ International Joint Doctorate in Law, Science and Technology. He is co-founder of the spinoff Nomotika working in the field of legal informatics. He is the inventor of the FirstLife civic social network.



WRAP - UP



Moderator:

Marco Zatterin

Scientific Coordinators:

Marco Gilli

Guido Scorza

Roberto Baldoni

Guido Boella



Marco Zatterin

La Stampa - Deputy Editor

Marco Zatterin is La Stampa's deputy editor-in-chief. Previously he edited the financial pages of the same newspaper and was the European Editor in Brussels for ten years.

Born in Rome, he is the author of several books. Among them, Trafalgar (Rizzoli, 2005) and Il Gigante del Milo (Il Mulino, 2008).



