

FOCUS ON INDUSTRY 4.0: PAVING THE ROAD TO A SUSTAINABLE ENERGY TRANSITION

WEDNESDAY 14th MARCH 2018

- 10.00 – 11.00 **Welcome Address:**
Palma Costi, Regional Minister for Economy and Development - Emilia Romagna Region
Michele De Pascale, Mayor of Ravenna
- INTRODUCTION:**
National Industry 4.0 Plan: opportunities for the Italian companies to win the challenge set by the digital revolution - Stefano Firpo – Director General for National Industry Plan, Competitiveness and SMEs - Ministry of Economic Development
- 11.00 – 11.10 **SETTING THE SCENE:**
Digitization in Oil&Gas: much more a matter of HOW than of WHAT – Marco Tonegutti – Partner and Managing Director BCG
- 11.10 – 11.50 **THE VIEW OF THE ENERGY COMPANIES (1)**
- *Eni's Digital Transformation Journey: driving to a new paradigm for Energy business* - Costantino Chessa, Eni Digital Transformation, Program Director
 - *Shell approach in digitalization* – Ron van Wolferen, Shell Upstream, Integrated Gas and New Energies Innovation Advisor
- 11.50 – 12.30 **THE VIEW OF THE ENERGY COMPANIES (2)**
- *Innovation, digitalization and sustainability to drive renewable energy development* - Giovanni Tula, Head of Innovation and Sustainability, ENEL GREEN POWER
 - *Repowering of an existing wind farm: growth opportunities and introduction of new technologies and digitalization*, Alberto Musso Chief Operating Officer, E2i Energie Speciali
- 12.30 – 13.30 **THE LEADING PLAYERS**
- *Bringing the Digital Transformation to life: roadmap towards a more efficient and sustainable energy future* – Alberto Echeverri, Digital Transformation Director – BHGE, a GE Company
 - *Saipem approach towards a collaborative project life-cycle management and managerial challenges while building an innovation ecosystem*– Antonio Careddu - Director Innovation, Systems & Corporate Marketing, SAIPEM
 - *How Cognitive Computing can actively drive our green horizon* – Fabrizio Renzi Dir.Technology, Innovation and Research, Pietro Leo, Exec.Architect & CTO for AI, Chief Scientist for Research & Business, IBM
- Lunch Break**
- 14.30 – 16.10 **THE LEADING PLAYERS**
- *Snam Global Solutions – The gas value chain business integrator*– Sergio Busato Chief Operating Officer Global Solutions - SNAM, Andrea Stegher SVP Marketing Global Solutions - SNAM
 - *Harnessing the power of digitalization to address the evolution of Oil, Gas and Chemical Industry* – Mauro Martis – Head of industrial Automation Division, Italy, ABB
 - *Utility 4.0: The Evolution of Public Services*- Salvatore Molé, ICT and Innovation Director HERA SPA

- *Floating Offshore Wind: development of the new frontier of renewable energy supported by digital technologies* – Francesco Prazzo, Risk & Compliance Manager, Europe RC, Gas, Power & Renewables, SBM Offshore
- *Digitalization applied to multi-phase pump* - Emiliano Maianti, Well Production Service Manager BONATTI SPA

Coffee Break

16.30 – 17.15 **ROUND TABLE**

18.00 – Guided Tour of Ravenna Mosaics followed by a Networking Dinner

Bus leaving at 17.45 – from Grand Hotel Mattei

THURSDAY 15th MARCH 2018

9.00 – 11.00 **THE ROLE OF ACADEMIA AND ASSOCIATIONS**

Chairperson: Roberto Cianella, Ministry for Economic Development

ALMA MATER Bologna University

- *The I4.0 potential of the Emilia Romagna region and the Bologna Competence Center*, Paolo Bellavista, Professor & Rectors' Delegate for Industrial Research, territorial cooperation and innovation
- *HPC and Big Data Infrastructure for enabling open innovation in Industries and SMEs* Sanzio Bassini, Director of Department Supercomputing Application & Innovation, CINECA
- *I4.0 in the Automatic Machines industry: best practices and opportunities* - Daniele Vacchi, Secretary General E.R.-AMIAT/ Corporate Communication Director IMA

MILAN POLITECNIC

- *Technological and modelling challenges of Industry 4.0, the vision and experience of Politecnico di Milano* – Giambattista Grusso, Professor - Luca Formaggia, Professor at MOX Laboratory Politecnico di Milano

UNIVERSITY OF BASILICATA

- *Data Management and digital solutions in photovoltaic plants with active cooling systems: a case study* - Antonio D'Angola, Assistant Professor Scuola di Ingegneria Università della Basilicata

Coffee break

11.20 – 13.00 **DIGITALIZATION: THE ROLE OF START UPS**

Chairperson: Roberto Cianella, Ministry for Economic Development

- *Reconsidering area risk analyses in the framework of the present industrial evolution* - Marco Buldrini, Head of Major Risks Unit, NIER Ingegneria,
- *Predictive and prescriptive maintenance for the energy sector* – Alessio Bonfietti, CEO MindIT
- *Technology transfer for I4.0 at the Politecnico di Milano:*
 1. *A Key Enabling Technology for water management and treatment based on magnetic fluids* – Ruggiero Maria Pesce, R&D Engineer, Captive Systems
 2. *Mathematics as key factor enabling innovation in I4.0* — Matteo Longoni, Chief Revenues Officer, Moxoff SpA

Closing Lunch