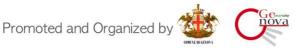


### **GENOA**

20 - 24 November 2017









# AT A GLANCE 20 – 24 November

**HE = HOSTED EVENT** 

	MONDAY 20th NOVEMBER
	Palazzo Tursi - Salone di Rappresentanza
ڻ ک	8.30 a.m. – 1.15 p.m.
MORNING	<b>GENOVA SMART WEEK</b>
¥	OPENING CONFERENCE
	Silmultaneous translation ita-eng-ita will be provided
7	2.30 p.m. – 6.30 p.m.
00	<b>BUSINESS MODELS &amp; SOLUTIONS</b>
AFTERNOON	for the development of the Smart City
Ā	Thematic session
	New models of economic sustainability
	Silmultaneous translation ita-eng-ita available



	TUESDAY 21st NOVEMBER			
Palazzo Tursi - Salone di Rappresentanza				
	8.00 a.m. – 1.00 p.m.			
MORNING	ENTERPRISE 4.0			
ORN	Thematic Session			
≥	From Industry 4.0 to Enterprise 4.0: Government policies and			
	incentives, technology overviews and best practices			
	Silmultaneous translation ita-eng-ita available			
	2.00 p.m – 5.00 p.m			
N 0	ENTERPRISE 4.0			
AFTERNOON	Thematic Session			
AFTE	From digital development to the new frontiers of research and to			
	business internationalization strategies. The new role of cities in the global context			
	Silmultaneous translation ita-eng-ita available			
	5.00 pm. – 6.00 p.m			
	GREEN SOLUTIONS			
Z O	for urban regeneration			
Ŏ	Worskshop			
AFTERNOON	"URBAN AGENDA FOR THE EU - Climate Adaptation Partnership"			
٩	Hosted by Genova Smart Week			
	Organized by Genoa Municipality			
	Silmultaneous translation ita-eng-ita available			



MORNING

AFTERNOON

#### WEDNESDAY 22nd NOVEMBER

Palazzo Tursi Salone di Rappresentanza Palazzo Tobia Pallavicino Salone del Bergamasco





9 a.m. – 1.00 p.m.

URBAN PLATFORMS
Innovation for the transformation of cities

Workshop "R2CITIES Project"

Hosted by Genova Smart Week

In cooperation with the Municipality of Genoa

Silmultaneous translation ita-eng-ita available



8.30 a.m. – 1.00 p.m.

URBAN PLATFORMS
Innovation for the transformation of cities

Thematic Session
Innovative technology platforms
to develop a sustainable city

Silmultaneous translation ita-eng-ita available



2.00 p.m. - 6.00 p.m.

URBAN PLATFORM – ENTERPRISE
4.0

First Session

Focus "Security, Cyber Security & IoT Solutions"

Second Session Workshop

"European Digital Agenda & Cyber Security"

Hosted by Genova Smart Week

Promoted by Europe Direct Information Centre of Genoa Municipality

Simultaneous translation ita-eng-ita available





2.00 p.m. - 5.00 p.m

GREEN SOLUTIONS for urban regeneration

Workshop

"Claircity – H2020 & Climaera – Alcotra Projects"

Hosted by Genova Smart Week
In cooperation with Liguria Region

Bidule translation ita-fra-ita available



2.00 p.m. - 3.30 p.m. and 4.00 p.m. - 5.30 p.m.

VISIT to CNR Labs

In cooperation with CNR



	THURSDA	AY 23 <sup>rd</sup> NOVEMBER	
	Palazzo Tursi Salone di Rappresentanza	Palazzo Tobia Pallavicino Salone del Bergamasco	Palazzo della Borsa Sala delle Grida
MORNING	8.00 a.m. – 1.00 p.m.  GREEN SOLUTIONS for urban regeneration  Thematic session The development of a European network for the charging of electric traction vehicles  Silmultaneous translation ita-eng-ita available		9.30 a.m. – 1.00 p.m.  HE  SMARTCUP Liguria Award ceremony The Liguria business plan competition  By Filse, Liguria Region and Liguria International
AFTERNOON	2.00 p.m - 4.00 p.m.  GREEN SOLUTIONS for urban regeneration  Thematic session Sustainable urban mobility plans and projects  Simultaneous translation ita-eng-ita available  4.00 p.m 6.30 p.m.  Session  "European projects involving Genoa, Liguria region and local companies"  Silmultaneous translation ita-eng-ita available	2.00 p.m. – 4.00 p.m.  GREEN SOLUTIONS for urban regeneration  Workshop "CELSIUS EU Project"  Hosted by Genova Smart Week  In cooperation with the Municipality of Genoa  4.00 p.m. – 6.00 p.m.  VISIT to the Demonstrator in Via delle Gavette	2.00 p.m. – 6.00 p.m.  HE  SMAU GENOVA  By Liguria International and Liguria Region





## 20th November

### 

The energy of innovation for the growth and quality of lie of the city

8.30 a.m. - 1.15 p.m.

Salone di Rappresentanza, Palazzo Tursi

Silmultaneous translation ita-eng-ita available

8.30 a.m. Conference Registration

9.00 a.m. Welcome greating and opening session

Speakers:

Marco Bucci, Mayor of Genoa and President of Genoa Smart City Association

**Giancarlo Vinacci**, Councilor for the Economic Development and University, **Municipality of Genoa** 

**Elisa Serafini**, Councilor of local marketing, culture and youth policy, **Municipality of Genoa** 

Edoardo Rixi, Councilor for Economic Development and

Entrepreneurship, Liguria Region

Paolo Odone, President, Chamber of Commerce of Genoa

Sonia Sandei, Vice President, Confindustria of Genoa

Chairman: Marco Gatti, expert ICT journalist and Smart City

**University and Research speaking** 

Speakers:

Enrico Giunchiglia, Pro-rector vicar, University of Genoa Roberto Cingolani, Scientific Director, IIT Carlo Ferdeghini, SPIN Insitute Director, CNR Genova



11.30 a.m. Round Table

Innovative skills and technologies for city growth and quality of life

Speakers:

**Mauro Giacobbe**, VP Strategic Marketing – Security & Information Systems Division, **Leonardo** 

**Danilo Moresco**, Head of Power Generation & Water Business, **ABB in South Europe** 

**Paolo Pandozy,** CEO, **Engineering** (Engineering: activities and investments in the territory of the Municipality of Genoa)

Luigi Predeval, CEO, GHT – Genova High Tech (Genova Research &

Advanced Technologies Campus: the smart city of Genoa)

**Debora Stefani**, Head of North Macro Area, **e-distribuzione** (Innovation in e-distribuzione)

1.00 p.m. SCHOLARSHIP AWARD CEREMONY G.B. Ferrari

Mario Corsi, President, ABB Italy

Paolo Comanducci, Rector, University of Genoa

1.15 p.m. Conclusion





# BUSINESS MODELS & SOLUTIONS for the development of the Smart City

### New models of Economic Sustainability

2.30 p.m. - 6.30 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

The "construction" of a Smart City is the result of three "building blocks": technologies, actors (both public and private) and financing models. Technology alone cannot turn a city into a smart city. A shared regulatory framework and a system of funding and incentives are also needed. Developing innovative and intelligent devices and systems are the first step "to imagine" a smart urban model, but they need new business models to be implemented and incorporated into a complex project. Despite the existance of relevant regulations, there are no reference models for financing and supporting smart city innovation projects. The session will be focused on this subject and will propose possible solutions and case history.

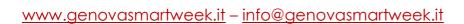
#### **MAIN TOPICS**

- Business models adopted in Italian and European cities
- ❖ Types of business models: organic and additive. Pros and cons.
- ❖ Models and solutions of public and private partnership
- Project financing and incentives for the development of smart cities
- ❖ ESCO's role
- Access to credit and instruments to support innovation projects in smart city
- Civic Crowfunding
- Business strategies for tomorrow's cities.
- The city as an incubator of innovation and to innovate
- Investment opportunities in the city of Genoa

#### 2.25 a.m. Afternoon Session

Chairman: Edoardo Croci, Green Economy Observatory Coordinator IEFE at Bocconi University in Milan and Scientific Director of Smart City & MobilityLab

2.30 p.m. Welcome greatings and opening works Giancarlo Vinacci, Councilor for the Economic Development, Municipality of Genoa





2.40 p.m. Sustainable Finance Tools for Smart City

Edoardo Croci, Green Economy Observatory Coordinator IEFE at Bocconi
University in Milan and Scientific Director of Smart City & MobilityLab

2.55 p.m. From social housing to smart housing
Livio Cassoli, Head of FIA Management and Development, CDP
Investments SGR

3.10 p.m. EnerSHIFT - An innovative financial model for energy efficiency in Social Housing

**Giuseppe Sorgente**, Expert Architect in bio-building and EnerSHIFT Project Coordinator, **Regione Liguria – Complex Urban Development Sector** 

3.25 p.m. Resources cities. technologies, financing and solutions to the service of citizens, local economies and environment
Cesare Rovati, Engineering & Development Manager, Municipia – Engineering Group

3.40 p.m. Round Table

Innovative financial instruments for the development of infrastructures and services in a smart city: case history and new models.

Speakers:

**Sonia Sandei**, Head of Distributed Generation Sales, **Enel E-Solutions** Innovative business models for Smart Big Buildings – Energy Efficiency Award in Genoa

Antonio de Bellis, Marketing & Sales Manager, ABB Italia Silvano Donato Lorusso, Partner, BLB Law firm and Member, NYSBA (New York State Bar Association)

Roberto Gatti, Chief Executive Officer, Orefici Finance

**Roberto Passalacqua**, Vice President – Region Italy Mass Transit & Greece - Railway & Mass Transit BU , **Ansaldo STS** (*The Project Financing in the* 

Metro system development)

Rugger Reachieri Hand of Industry Innovation Interest Suppose (Special Control of Industry Interest Suppose (Special Control of Interest Suppose (Special

**Ruggero Recchioni**, Head of Industry Innovation, **Intesa Sanpaolo** (Smart to start: how smart cties attract startups)

5.25 p.m. **Q&A** 

6.30 p.m. Conclusion



# 21st November

#### THEMATIC SESSION

ENTERPRISE 4.0 🕕 🏶

From Industry 4.0 to Enterprise 4.0: Government policies and incentives, technology overviews and best practices

8 a.m. - 1 p.m.

Salone di Rappresentanza, Palazzo Tursi

Silmultaneous translation ita-eng-ita available

**Industry 4.0** derives from the **fourth industrial revolution**. Experts and analysts maintain it will lead to an automated and interconnected industrial production. After the first phase of the Industry Development Plan 4.0, promoted by the Ministry for Economic Development, we are now in the second phase "Enterprise 4.0", addressing not only large industrial companies, but also small and medium enterprises and highly digitalized service companies.

#### MAIN TOPICS:

- ❖ From "Industry 4.0" to "Enterprise 4.0": 2017 Government Plan results and 2018 guidelines
- Enterprises in the Liguria Region towards Enterprise 4.0
- New management models and development of production processes in businesses: the management of Supply Chain becomes "Smart"
- Innovation: the key to evolving into circular economy
- Best practices and innovation projects for a smart city

8.00 a.m. **Conference Registration** 

8.40 a.m. **Opening works** 

**Chairman: Matteo Giudici**, President of Young Entrepreneurs, **Confindustria of Liguria** 

8.45 a.m. **Welcome greatings** 

Giancarlo Vinacci, Councilor for the Economic Development,

**Municipality of Genoa** 

**Alberto Pellissone**, Head of Strategic Development of the Production

and Liguria Economy, Liguria Region

**Introductory Speeches** 

9.10 a.m. From "Industry 4.0" to "Enterprise 4.0": 2017 Government Plan results and

2018 guidelines

On. Lorenzo Basso, Deputy, House of Representatives



9.25 a.m. Title tbd (The Unioncamere initiative for Enterprise 4.0)

Maurizio Caviglia, General Secretary, Chamber of Commerce of Genoa

9.40 a.m. Enterprise 4.0: Opportunities and Challenges

Annamaria Di Ruscio, CEO, NetConsulting Cube

9.55 a.m. Effect of High-Tech on the development of the Enterprise 4.0

Fulvio Puzone, Business Developer at Technology Transfer, IIT

10.10 a.m. Innovation Driving Smart Cities 4.0

Michael Lake, President & CEO, Leading Cities

10.30 a.m. Insight into developments

Maria Francesca Silva, Asset & Strategic Development Manager, GHT

10.30 a.m. Round Table

The companies' point of view

(round table with brief presentations lasting 10 minutes each)

**Giuseppe Argirò**, Fintech Innovation Accelerator Manager, **Intesa Sanpaolo** 

**Paolo Bricola**, Head of Product Development Electronic Division, **Cobogroup** (Integrated Waste Collection System in Industry 4.0) **Alberto Clavarino**, General Director, **Netalia** (Italian Cloud for italian companies)

Francesco Cauvin, CEO, SEDAPTA (SedApta Technologies for Industry 4.0: People, Processes and Technologies "SMART" Management)

Simone Farello, External Relations, Open Fiber (The fiber optic ultrabroadband as the enabling factor of production 4.0)

Luca Manuelli, Chief Digital Officer, Ansaldo Energia (digital transformation as strategic trigger for the development in Ansaldo

transformation as strategic trigger for the development in Ansaldo Energia)

And the part of the Ansaldo STS (The edicate trians and eveloption

**Antonella Trombetta, Ansaldo STS** (The digitalization and evolution of the rail system)

**Mario Pilotto**, Vice President Business Area Enterprise Information Systems - Security & Information System Division, **Leonardo** (Leonardo vision on industry 4.0: the Secure Connected Factory)

**Leonardo Ambrosi**, Technology Manager for Digital Solutions, **ABB Power Generation & Water** 

12.25 a.m. Q&A

1.00 p.m. **Conclusion** 



## 21st November

### THEMATIC SESSION



From digital development to the new frontiers of research and to business internationalization strategies. The new role of cities in the global context

2 p.m. - 5 p.m

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

Digital development offers new opportunities for growth in research and business. Digitization is also a key tool for the internationalization of enterprises. Of course, cities can not and should not remain indifferent to these changes; indeed, they must play a leading role in this process of transformation and innovation.

In this session will be presented some case histories and best practices and in the final round table the institutions and some international players will meet to discuss on these issues.

#### MAIN TOPICS

- Smart City & Cyber Security
- Digital development and new frontiers of research
- Digital development and internationalization of enterprises
- Big data, Internet of Things e robotics for the future industry

2.00 p.m. **Afternoon Session** 

Chairman: Fabio Sgaragli, Open & Social Innovation Manager, Fondazione Brodolini

2.05 p.m Welcome greatings

Giancarlo Vinacci, Councilor for the Economic Development and

University, Municipality of Genoa

2.20 p.m. University approaching Enterprise 4.0 PEGASO - Telematics University

Danilo Iervolino, President, Pegaso Telematics University

2.35 p.m. The European project CAxMan - Innovative Technologies for Additive

Manufacture

Marco Attene, Researcher, IMATI-GE / CNR

2.50 p.m The example of Digital Birmingham

Tim Cordy, PURE COSMOS PROJECT



Chairman: Matteo Dell'Antico – Il Secolo XIX

3.10 p.m. Round Table

The new role of cities in the global context: the point of view of international institutions and players

Speakers:

**Carlotta De Franceschi**, Professor at Columbia University, President and Co-Founder, **Action-Institute** (Fourth Industrial Revolution: What economic-social policies for Italy)

Alessandro Giglio, Chairman & CEO, Giglio Group (e-commerce 4.0) Chris L. Greer, Director Cyber Physical Systems and Smart Grid Program Office – Engineering Laboratory, NIST National Institute of Standards and Technology (Global Cities)

Elisabetta Migone, Co-Founder & CEO, Talent Garden Genova (Big data, Internet of Things, Robotics for developing future industry

Carlo Maria Rossotto, World Bank Washington (video-message)

Giulio Maria Busulini, Scientific Attachet, Italian Embassy in Washington

5.05 p.m. **Conclusion** 



## 21st November

### GREEN SOLUTIONS for the urban regeration

A city can be seen as an ecosystem made up of networks and relationships, equipped with plans, intellect and knowledge and dominated by man. But cities are also provided with a natural ecosystem, though conditioned by urban development, which offers innovative and sustainable solutions to the problems we are trying to solve and manage in smart cities. Nature is still an essential element of sustainability in life and in life in the cities as well.

"Green Solutions" are multiple, related to different areas of interest.

#### Workshop

"URBAN AGENDA FOR THE EU - Climate Adaptation Partnership"





Hosted by Genova Smart Week

Organized by Genoa Municipality

5 p.m. - 6 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

The climate is one of the main topics to be considered in the management of a green city. During the Smart Week, Genoa will host the partners of the Global Climate Adaptation Partnership. Six local authorities (the Province of Barcelona and the cities of Glasgow, Trondheim, Potenza, Loulé in Algarve and Sfantu Gheorghe in Transylvania), four Member States (France, Poland, Hungary and Bulgaria) and three General Directions of the European Commission (REGIO, CLIMA, ENV) are part of the network. Local government agencies (EuroCities and the Council of Commons and Regions of Europe), the European Investment Bank and Europe funding programs (Interreg Europe, Urban, Espon, etc.) are involved in the program.

The Municipality of Genoa has been chosen as coordinator of the international network (Climate Adaptation Partnership), that in the next three years will be concerned with issues related to coping with climate change in urban areas. The network will be aiming at: advancing new proposals to adapt the current legislation to growing urban realities; addressing topics that might be financed by European Programs in the future; conceiving new networking models for exchanging knowledge and experience.

The meeting of the project partners will be followed by a public presentation of the partnership on Tuesday afternoon



5.00 p.m. **Registrations** 

Chairman: Bianca Falcidieno, CNR

5.05 p.m. Urban Agenda for the European Union

Nicolaas Beets, Special Dutch Urban Envoy, Dutch Ministry of the Interior

5.25 p.m. European adaptation strategy to climate change: the role of cities **Sandro Nieto**, Policy Officer, **European Commission** 

5.45 p.m. Partnership on adaptation to climate change: expected objectives and outcomes
 Paolo Castiglieri, General Secretary Genoa Smart City Association and Directorate Smart City planning, Municipality of Genoa

6.00 p.m. Conclusion



### THEMATIC SESSION #

URBAN PLATFORMS – Innovation for the transformation of cities Innovative technological pltaforms to develop a sustainable city

8.30 a.m. – 1.00 p.m.
Salone di Rappresentanza, Palazzo Tursi
Simultaneous translation ita-eng-ita available

About three-quarters of the Eupean population currently live in urban areas and urban growth entails risks of overpopulation, traffic congestion, pollution and related diseases.

Urban environment and services need innovative solutions to cope with their environmental and social challenges and in particular new platforms for governance to be shared, interoperated and connected with the help of advanced technologies.

#### MAIN TOPICS

- Showcases of tomorrow's smart cities
- Integration and interoperation for energy technologies, mobile communications and sustainable infrastructures improving services to citizens and businesses
- Energy monitoring and automatic optimization services implying data transmission protocols in the field of energy consumption, environmental impact and related costs
- Innovative solutions for the management of mobility services and cultural and tourist information and services
- ❖ Initiatives of the European Commission: EIP & Smart Cities Stakeholder Platform
- Smart solutions to support electricity grids, district heating and cooling grids, new service models and applications for data security and privacy, optimal management of Data Centers: focus Cyber Security

8.30 a.m. Registration

Chairman: Emanuele Martinelli, CEO, Energia Media

9.00 a.m. Welcome greatings and opening works Matteo Campora, Councilor of Environment and Waste, Civil Services and Informatic, Municipality of Genoa



9.15 a.m. Keynote Speakers

Global Platform: Smart city progress through international cooperation Chris L. Greer, Director Cyber Physical Systems and Smart Grid Program Office – Engineering Laboratory, NIST National Institute of Standards and Technology

9.35 a.m. Data and Urban platforms: how inhabit innovation

Lanfranco Marasso, Smart City Program Director, Engineering

9.50 a.m. Towards the integration and interoperability of urban services

Mauro Annunziato, Director of Smart Energy Division, Energy Technologies

Departmet, **ENEA** 

#### Best practices in the field of energy, security, resiliency and mobility

10.05 a.m. Challenges in Energy Management for Smart Cities &

Project GEN-IUS, supported by ELENA (GENova – Innovative Urban

Sustainability)

Diego Calandrino, Energy Manager, Municipality of Genoa

10.20 a.m. The participation process in GEN-IUS project

Roberto Cella, Delegate Energy Policy, Economic Development, Città

Metropolitana di Genova

Luigina Renzi, Executive economic development service and information

systems, Città Metropolitana di Genova

10.35 a.m. Security Supervision System – Governance platform for urban &

metropolitan security

Francesco Valdevies, Head of Strategic Marketing Urban & Land

Resilience - Security & Information System Division, Leonardo

10.50 a.m. The city control room

Enrico Mantero, Service Manager del Business Power Generation &

Water, ABB in South Europe

11.05 a.m. Open Meter

Elisabetta Canavesio, Head of the Northwest Operations Section of the

Second Generation Electronic Counter Project, e-distribution

11.20 a.m. Fiber Optic Infrastructure, Smart City Enabler

Guido Garrone, Director Network & Operations Cluster, Open Fiber



11.35 a.m. Exploracity: a Platform for Tourism and Culture 4.0. The pilot project in Genoa

Antonio Novellino, R & D Manager, ETT

11.50 a.m. Social Housing Smart: international case history and development

prospects in Italy

Daniele Russolillo, Senior Program Manager, Planet Idea

12.05 a.m. (RI) Imagine an "differently vertical" city: the relationship between

underground and surface city in view of a urban resiliency Nicola Buogo, President, Associazione Le Vie dell'Acqua

12.20 a.m. Q&A

1.00 p.m. **Conclusion** 



#### **URBAN PLATFORM – Innovation for the transformation of cities**

Workshop "R2CITIES PROJECT" 

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Hosted by Genova Smart Week

In cooperation with the Municipality of Genoa

9 a.m. - 1 p.m.

Salone del Bergamasco, Palazzo Tobia Pallavicino

Simultaneous translation ita-eng-ita available

FIRST SESSION: The history of R2CITIES and the results of Genoa

9.00 a.m. Registration

9.15 a.m. R2CITIES - Introduction and context

Speech by the Municipality of Genoa

9.30 a.m. Genoa study case - features, interventions and results

Speech by the Municipality of Genoa

Elena Podestà, Service Specialist, ABB Power

Speech by the University of Genoa

10.00 a.m. Energy performance of buildings after retraining

Speech by RINA Consulting

10.15 a.m. Assessment of citizens' consent: from the general model to the specific

solutions of the case study in Genoa

Speech by RINA Consulting

10.30 a.m. **Q&A** 

10.45 a.m. Coffee Break

#### SECOND SESSION: How to Design a Building Reclamation Project in a residential neighborhood

11.00 a.m. Project Design: Design, BIM, economic aspects

Speech by the University of Genoa

11.45 a.m. Disposition of Energy Conversation Measures (ECM)

Speech by the Municipality of Genoa and ABB

12.00 a.m. Intelligent technology integration

Speech by RINA Consulting and ABB

12.30 a.m. **Q&A** 

12.45 a.m. End of works



### 

2 p.m. - 6 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

2.00 p.m. Welcome greatings and opening works

**Matteo Campora**, Councilor of Environment and Waste, Civil and Information Technology Services, **Municipality of Genoa** 

**First Session** 

Focus "Security, Cyber Security & IoT Solutions"

Governments and international organizations are well aware of the importance of cyber-risks and are now intensifying their actions to guarantee the highest possible level of cyber security in critical infrastructures and in essential public utility services. In 2017 Italy drew up a reform of targets and governance in cyber security and incorporated it in the National Energy Strategy, identifying energy as a risk area.

Chairman: Paolo Castiglieri, General Secretary Genoa Smart City Association and Directorate Smart City planning, Municipality of Genoa

2.15 p.m. **Keynote Speech** 

Cybersecurity and GDPR as an enabler for building trust with citizens Frank Van Steenwinkel, Connecting European Cities, FIDECITY Ecosystems and Cities

2.35 p.m. Round Table

Cyber Security: Security in systems and networks, in data protection and in industrial counterintelligence

Speakers:

Fabio Cocurullo, Chief Technology Officer - Cyber Security & ICT Solutions - Security & Information Systems Division, Leonardo (Business Driven Cyber Security: the new challenge of digital transformation)

Paola Girdinio, Ordinary Professor, Scientific Area-ING-IND/31,

Department of Naval, Electrical, Electronic and Telecommunications

Engineering (DITEN), University of Genoa

Alessandro Lionetti, Key Account Manager, Safenetwork Umberto Rapetto, CEO, HKAO - Human Knowledge As Opportunity Gaetano Sanacore, Senior Systems Engineer, Ansaldo Energia



#### **Second Session**

#### Workshop "European Digital Agenda & Cyber Security"

#### Hosted by Genova Smart Week

Promoted by Europe Direct Information Centre of Genoa Municipality

Information and educational processes and events are of major importance in this area. A good example is Europe Direct Information Centre in the Municipality of Genoa, created in 2005, upon suggestion of the European Commission, to renew public information networks, as a result of a tender awarded to the Municipality in cooperation with the Province of Genoa. The Centre aims at disseminating Community information through visible and accessible instruments, methods and equipped spaces, to engage European citizens in the setting up of the Union.

Chairman: Carlotta Gualco, Director, Centro In Europa

3.35 p.m. Introductory Speech

**Paolo Castiglieri**, General Secretary **Genoa Smart City Association** and Directorate Smart City planning, **Municipality of Genoa** 

3.50 p.m. **Keynote Speech** (video-messagge)

By a member of the **DG CONNECT** of the **European Commission** 

4.05 p.m. Safety in industrial plants

Lorenzo Ivaldi, DITEN, Università degli studi di Genova

4.20 p.m. The ICT Security Government: the experience of the City of Genoa

**Paolo Di Gioia**, Head of systems and security office, Information Systems

Direction, Municipality of Genoa

4.35 p.m The role of the Guardia di Finanza in contrast to cybercrime

Mario Leone Piccinni, Commander, Il Guardia di Finanza Group Genoa

4.50 p.m. Education and training at ICT

Alessandro Rivella, Director, ITS-ICT

5.05 p.m. Q&A

6.00 p.m. Conclusion



### **GREEN SOLUTIONS for the urban regeneration**

### Workshop "Claircity – H2020 & Climaera – Alcotra Projects" 🕕 🕕





Hosted by Genova Smart Week

In cooperation with Liguria Region

2 p.m. - 5 p.m.

Salone del Bergamasco, Palazzo Tobia Pallavicino

Bidule translation ita-fra-ita available

The conference organized by the CLIMAERA partnership involves the participation of all project partners as well as organizations and institutions interested in the issue of air quality in the urban environment and in the specific port. It will also be an opportunity to present some of the work carried out in recent years by scientific institutions on the relationship between atmospheric emissions in relation to climate issues and the cost / benefit ratio that the various planning and strategic choices require.

The conference is funded by ALCOTRA 2014-2020 Program <a href="http://www.interreg-">http://www.interreg-</a> alcotra.eu/











Soggetti attuatori CLIMAERA







#### Program:

2.00 p.m. Welcome Coffee

2.30 p.m. Welcome greatings

Matteo Campora, Councilor of Environment and Waste, Civil Services

and Informatic, Municipality of Genoa

By Liguria Region

3.00 p.m. CLIMAERA program

By Liguria Region

3.20 p.m. RIAT+ software: possible use in the Region and in the CLIMAERA project

Giuseppe Maffeis, Founder Member, Terraria

3.40 p.m. Speech by AIR PACA on the emissions in the Port of Marseille

Alexandre Armengaud, Head for scientific cooperation, knowledge

improvement, AIR PACA

4.00 p.m. An ambitious objective "give light to ships"

Davide Sciutto, Genoa Port Authority

4.20 p.m. Speech by the University of Genoa – Physics Dpt.

Paolo Brotto, OM\_TEN

4.40 p.m. The CLAIR CITY Project

Carlo Trozzi, TECHNE Consulting

5.00 p.m. Conclusion

VISIT CNR U



Two shifts:

2.00 p.m. - 3.30 p.m.

4.00 p.m. - 5.30 p.m.

Limited participation number in the visit.

Reservation and information write to roberto.marcialis@cnr.it

Ph: 0039 329 - 8467113



### THEMATIC SESSION 0 #



### **GREEN SOLUTIONS for urban regeneration**

"The development of a European network for the charging of electric traction vehicles"

8 a.m. - 1 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

The choice of mobility based on electric motors for the future is now widely accepted by international analysts, and most car manufacturers are proposing or currently developing electric models and rechargeable hybrids. In Italy, however, the introduction of such vehicles is still slow and strongly depending on the issue of measures supporting the consumer in this choice and also on the development of charging infrastructures necessary for their use.

Two in-depth sessions shall deal with the subject, the first is focused on state of the art and evolution of the European electric car charging network, presenting the results of the UNIT-e project; the second will introduce the e-mobility development plan for Liguria Region.

#### MAIN TOPICS

- ❖ Infrastructures and networks for the development of electric mobility: state of the art in Europe
- Fast charging systems
- Interoperability between charging systems
- started projects in different cities
- ❖ Policies and projects for developing a network of infrastructures in Liguria

8.00 a.m. Registration

8.30 a.m. Welcome greatings and opening works

Stefano Balleari, Councilor for Mobility and Local Public Transport and

Deputy Mayor, Municipality of Genoa

**First Session** 

European Electricity Charging Network, the experience of UNIT-e project

Chairman: Fabio Capocaccia, President, IIC

8.45 a.m. E.U. support electromobility

Erika Fulgenzi, Innovation and Networks Executive Agency (INEA),

**European Commission** 





### THEMATIC SESSION #





**GREEN SOLUTIONS for urban regeneration** 

Plans and projects for a sustainable urban mobility

2.00 p.m. - 4.00 p.m.

Salone di rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

#### MAIN TOPICS

2.00 p.m. Afternoon session

Chairman: Francesco Pellegrino, Director of Mobility, Municipality of

Genoa

**Welcome greetings** 

2.05 p.m. Marco Bucci, Mayor of Genoa and President of Genova Smart City

**Association** 

2.20 p.m. The mobility manager's view: presentation of the manager's mandate for

Stefano Balleari, Councilor for Mobility and Local Public Transport and

Deputy Mayor, Municipality of Genoa

2.35 p.m. PUMS, it starts (Urban plan for sustainable mobility)

Enrico Musso, Director C.I.E.L.I. University of Genoa

3.00 p.m. Initiatives to support the development of PUMS

MATRICE Origin/destination

• Questionnaire for the employees in the Municipality of Genoa and

commuting to work plans (PSCL)

Mobility Management actions: the DEMO EC project

Maria Fassone, Antonio Rossa, Mobility Direction

3.30 p.m. Mobility transforming the city that transforms mobility

Claudio Minelli, Partner, Mobility in Chain

3.45 p.m. ELVITEN Project for light electric mobility in the city

Bartolomeo Valcalda, Logistics and Transports BU Director, T-Bridge

4.00 p.m. Conclusion



### **GREEN SOLUTIONS for urban regeneration**

### Workshop "CELSIUS EU PROJECT"



Hosted by Genova Smart Week

In cooperation with the Municipality of Genoa

2 p.m. - 4 p.m.

Salone del Bergamasco, Palazzo Tobia Pallavicino

2.00 p.m. Introduction and welcome greetings

Stefano Trucco, Municipality of Genoa

2.10 p.m. CELSIUS Project, results

Stefano Trucco, Municipality of Genoa

Monitoring strategies to assess DHC solutions & results from 2.30 p.m.

monitoring activities of CELSIUS demonstrators

Carolina Ferrando, RINA Consulting

2.50 p.m. Energy recovery from natural gas distribution: dynamic simulation

and optimization

Ermanno Lo Cascio, UNIGE

3.10 p.m. The experience from Genoa demonstrator – Waste energy

recovery from gas expansion in urban NG networks

Roberto Milanesio, IRETI

3.30 p.m. Impact and replicability at local level

Stefano Trucco, Municipality of Genoa

3.50 p.m. Coffee break

Site visit to Genoa demonstrator at Gavette Industrial District (bus 4.00 p.m.

transfer)

### SITE VISIT to the DEMONSTRATOR in Gavette Street



4 p.m. - 6.00 p.m.

Limited participation number in the visit Reservation and information scodeglia@comune.genova.it

pcastiglieri@comune.genova.it

tel 010 - 5572054



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4.00 p.m. – 6.00 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

In the course of Genoa Smart Week, Genoa will host project meetings for CELSIUS and UnaLab, partners of the European projects involving the Municipality of Genoa. In addition, workshops on the projects are included in the conferences' schedule. Since not all the projects are suitable for workshops, being some of them, such as Elviten and Force, just at an initial stage with no results to be presented, it was decided to include a session dedicated to all the projects currently committing the local administration, as well as some projects committing partners in this event.

4.00 p.m. **Opening works** 

4.05 p.m. Introduction and Moderation

Paolo Castiglieri, General Secretary Genoa Smart City Association and

Directorate Smart City planning, Municipality of Genoa

Speeches on the projects:

4.20 p.m. UNaLab Project

Andrea Balestrini, Land

4.35 p.m. FORCE Project

Ilaria Marzoli, AMIU

4.50 p.m. The smartgrid PODCAST project – An optimization platform for electric

distribution systems using data from smartmeters and storage systems **S.Bianchi**, **Softeco / Stefano Massucco**, representative of the Dean for

Energy efficiency at the University, DITEN, University of Genoa



5.05 p.m. The PURE COSMOS Project

Enrica Spotti, Municipality of Genoa

5.20 p.m. The Weenmodels Project

Alessandra Risso, Head of Coordination of European Projects Services

Area, Comune di Genova

5.35 p.m. It won't be smart until it is inclusive: the Risewise project

**Evert-Jan Hoogerwerf**, Project manager and past president, **AAATE** - **Association for the Advancement of Assistive Technology in Europe** 

5.50 p.m. **Q&A** 

6.00 p.m. Conclusion



# HOSTED EVENT SMARTcup LIGURIA AWARD CEREMONY

The Liguria business plan competition

By Filse, Liguria Region and Liguria International 9.30 a.m. – 1 p.m.
Sala delle Grida, Palazzo della Borsa

Program online

### HOSTED EVENT SMAU GENOVA

By Liguria Region and Liguria International **2 p.m. – 6 p.m.**Sala delle Grida, Palazzo della Borsa

Program online



# 24th November

### THEMATIC SESSION #

GREEN SOLUTIONS for urban regeneration Focus "Smart Building & Energy Efficiency"

8 a.m. - 1 p.m.

Salone di Rappresentanza, Palazzo Tursi

Simultaneous translation ita-eng-ita available

Participation in this conference recognizes

n.2 credits to the Order of Geometers, n.4 credits to the Order of Architects, n.3 credits to the Order of Engineers.

In industrialized countries, commercial and residential buildings cover approximately 40% of primary energy consumption for heating, air conditioning, lighting, etc. This consumption can be reduced by up to 80% using smart building management systems to control the various functions and resulting into energy efficiency, security, and comfort.

Technologies available today can significantly improve energy efficiency, paving the way to smart buildings. The economic crises we are currently facing originated a crisis in the real estate market. The use of technology in requalification is now giving new value to buildings, increasing their appeal in the market. In addition, innovations in Smart City's technology management will prompt the implementation of smart grids in the buildings to be interconnected with Smart Grids.

The session will illustrate the current situation in the sector, the best practices at international, national and local level, and the recovery and development policies of the industry.

#### **MAIN TOPICS**

- Government policies and an overview on future developments
- Current situation in Italy
- Best practices and projects at national and local level

8.00 a.m. **Registration** 

Chairman: Riccardo Miselli, Advisor, Genova Register of Architects

8.30 a.m. Welcome greatings and opening works

**Matteo Campora**, Councilor of Environment and Waste, Civil and Information Technology Services, **Municipality of Genoa** 



#### Introductory speeches:

- 8.45 a.m. New energy policies in the transition to the Union for Energy

  Marcello Capra, Representative of SET Plan, Ministry of economic

  development
- 9.00 a.m. Energy efficiency and renewable sources: current situation in Italy **G.B.Zorzoli**, President, **Free Coordinamento**
- 9.15 a.m. the regional energy plan and innovative financial mechanisms in the energy sector
  Paolo Piacenza, Sole Director, IRE Liguria
- 9.30 a.m. Ecobonus and Sismanbonus, the ANCE and Deloitte platform as a response to the issue of tax credits recovery
  Sarah Zotti, President, ANCE Genova
- 9.45 a.m. Future-proof city

  Flavio Visone, Innovation Center Circular Economy Project, Intesa

  Sanpaolo

#### <u>Technical speeches on European projects and best practices:</u>

- 10.00 a.m. SFS Project Distributed Intelligence on the Net at Customer Service Davide Ricci, Network Operations Manager of the Piedmont and Liguria Regional Territorial Division, e-distribution
- 10.15 a.m. The Importance of Energetic Information Management to Optimize Consumption and Contracts Renato Sanna, Head of Sales Energy & utilities – Security & Information System Division, Leonardo
- 10.30 a.m. Sales companies and ESCO in the face of energy transition

  Marco Ballicu, Institutional & Regulatory Affairs Specialist, Axpo Italia
- 10.45 a.m. Passive and active solutions for energy efficiency from building to the company, with an ever stronger IoT component
  Sergio Torre, Direttore Business Development, Duferco Energia
- 11.00 a.m. The integration as key factor for the efficiency: services and solutions for the energy management

  Carlo Papi, Sales Manager Energy and Building Solutions, Bosch



11.15 a.m. Tools to support the energy plan for simplifying procedures

Maria Fabianelli, Direttore di Divisione, IRE Liguria

11.30 a.m. Energy efficiency strategies and real-time monitoring of energy consumption in a large hospital facility: a case study Stefano Massucco, Representative of the Dean for Energy efficiency at the University, DITEN, University of Genoa

11.45 a.m. **Q&A** 

12.30 a.m. Conclusions of Genova Smart Week

**Giancarlo Vinacci**, Councilor for Economic Development and University, **Municipality of Genoa** 

12.45 a.m Conclusion



# 24th November

### **GREEN SOLUTIONS for urban regeneration**

3rd XERIC Workshop

"Breakthrough technologies in CLIMATE CONTROL SYSTEMS"

#### Hosted by Genova Smart Week

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 653605.

8.45 a.m. - 1 p.m.

Salone del Bergamasco, Palazzo Tobia Pallavicino

Workshop in English language

#### **Agenda**

10:30

8:45	Welcome Coffee
9:00	Plenary Sessions (1) Chairs: Gustavo CAPANNELLI (TICASS, Italy) and Gilbert RIOS (EMH, Belgium)
9:00	<b>Opening of the plenary sessions</b> - Nino GAETA (Coordinator of the XERIC project) and Dr. CASTIGLIERI from the Municipality of Genoa
9:15	<b>PS1: Electro-Mobility Projects within Horizon 2020 -</b> David GUEDJ (tbc – European Commission, Innovation and Networks Executive Agency - Horizon 2020 – Transport Unit), Gilbert RIOS (EMH, Belgium)
9:45	<b>PS2: XERIC: Energy Efficiency for Climate Control System - </b> Stefano LAZZARI (University of Genoa, Italy)
10:15	PS3: On-board climate control system for boats based on the XERIC technology - Bernardo CERRAI (FRIGOMAR, Marine Refrigeration and Air Conditioning Systems, Italy)

Coffee Break



10:50 Plenary Sessions (2)

10:50 **PS4: Application of XERIC technology to other potential fields** - Carlo ISETTI (Innovative Technologies for Environmental Control and Sustainable Development, Italy)

#### 11:10 PS5: Presentation of JOSPEL and OPTEMUS Projects

- Low Power Consumption heating Systems for EV
   Vanessa GUTIERREZ ARAGONES / Begoña GALINDO GALIANA (AIMPLAS, Spain) JOSPE
- Smart preconditioning for EVs with a compact heat pump system Andrés CALDEVILLA (DENSO, Germany) OPTEMUS

#### 11:40 Open discussion

Industrial testimonies with invited representatives and discussion with audience

12:40 Conclusion