



The Cities of Tomorrow The Challenges of Horizon 2020

17 - 19 September, 2014

PROGRAMME



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Welcome from COST

Dear Participant,

I am pleased to welcome you to this COST Conference “**The Cities of Tomorrow: the Challenges of Horizon 2020**”.

Since COST’s foundation, our original mission has been to enable breakthrough scientific developments leading to new concepts and products, thereby contributing to strengthening Europe’s research and innovation capacities.

Yet, observing the fast changes taking place in the scientific and technological landscape as well as responding to pressing societal challenges and policy, our organisation is evolving to adapt and respond to those challenges. This translates in reinforcing our principles of **excellence, openness and inclusiveness** by fostering **new ideas, sharing knowledge** and ensure the **output oriented approach** of the Actions we support.



The COST member countries have to reinforce the operation with the aim to act as a strong contributor to the H2020 objectives. This was set in motion by the signature with the European Commission of the Framework Partnership Agreement (FPA) setting the frame conditions and strategic lines for COST for the next seven years.

This allows us today to provide support for this high level conference aiming at **understanding the key challenges facing the cities of tomorrow, face them by adopting innovative solutions, with the intention to contribute to the goals of Horizon 2020.**

This interdisciplinary conference is a unique event designed to bring new insights to the cities of tomorrow by gathering views and discussions from a diverse set of stakeholders. Indeed, particular attention was given to select participants across geographical levels and types of organisations both inside and outside COST networks. For instance, the conference will receive contributions from EU, regional as well as city level perspectives. Also, it will convey the findings both from experienced and early stage researchers from diverse institutional set-ups ranging from universities, public research organisations and research oriented companies.

As a final word, I am confident that this event will constitute a significant step in reaching a common vision for “the cities of tomorrow”, and ultimately benefit the European citizens’ daily lives.

Dr Monica Dietl
Director, COST Office

Programme

Day 1 | Wednesday 17 September 2014

09:15 – 09:50	Registration
09:50 – 10:10	Opening
	<p>Piero Fassino Mayor of the City of Torino <i>Welcome</i></p> <p>Prof. Cristina Pronello Chair, Transport and Urban Development (TUD) Domain Committee, COST <i>Introduction</i></p>
10:10 – 11:30	Session 1 The Cities of Tomorrow: the Point of View of the Stakeholders
	<p>Moderator Prof. Cristina Pronello Chair, Transport and Urban Development (TUD) Domain Committee, COST</p> <p>Mercè Griera I Fisa Head of Sector Research and Innovation (DG CONNECT), European Commission <i>An EU View on Smart Cities</i></p> <p>Ruud van der Ploeg Secretary General, European Metropolitan Transport Authorities <i>Future Mobility of Cities: Taking a New Perspective on Challenges in Urban Transport</i></p> <p>Catherine Nier Manager of the Strategy and Development Department, Division of Ile de France (Paris and suburb area) Railway Stations, SNCF <i>From Railway Stations to Intermodal Services Hubs : SNCF Way to Smart Mobility</i></p> <p>Ivo Cré Senior Project Manager, POLIS - European Cities and Regions Networking for Innovative Transport Solutions <i>Innovation in Urban Transport: the Cities' Perspective</i></p> <p>Rapporteur Dr Valentina Rappazzo Research Fellow in Transport, Politecnico di Torino</p>
11:30 – 12:00	Coffee break
12:00 – 12:40	Session 1 (continued) The Cities of Tomorrow: the Point of View of the Stakeholders
	<p>Moderator Prof. Cristina Pronello Chair, Transport and Urban Development (TUD) Domain Committee, COST</p> <p>Piero Fassino Mayor of the City of Torino</p> <p>Gilles Vesco Councillor & Member of The Board, Communauté Urbaine de Lyon</p> <p>Paula Marques Councillor for Housing and Local Development, Lisboa City Council <i>Cities of Today, Building a Model of Participated Local Government: Lisbon Experience</i></p> <p>Dipl.-Ing. Andreas Trisko Head of the Urban Development and Planning Department, City of Vienna <i>Vienna – Smart Growing City</i></p> <p>Rapporteur Dr Valentina Rappazzo Research Fellow in Transport, Politecnico di Torino</p>
12:40 – 13:20	Session 1 Roundtable The Cities of Tomorrow: the Point of View of the Stakeholders
13:20 – 14:20	Lunch

14:20 – 15:40	Session 2 The Challenges of the Cities of Today and of Tomorrow: Built Environment and Ageing of Population	
	Moderator Prof. Darren Robinson	Head of Research Division (Engineering), University of Nottingham
	Prof. Dr Marijke Mollaert	Chair, COST Action TU1303 <i>Novel Structural Skins: Improving Sustainability and Efficiency through New Structural Textile Materials and Designs</i>
	Dipl.-Ing. Architect Runrid Fox-Kämper	Chair, COST Action TU1201 <i>The Integrative Role of Urban Gardening for a Sustainable City</i>
	Dr Alain Zarli	Head of Division - Information Technologies and Knowledge Dissemination Department, CSTB - Centre Scientifique et Technique du Bâtiment <i>Enhancing the Built Environment for Ageing at Home through Connected ICT Environments</i>
	Prof. Gian Marco Revel	Associate Professor in Mechanical and Thermal Measurements, Università Politecnica delle Marche <i>Sensor Technologies to Support Active and Healthy Aging in the Cities of Tomorrow</i>
	Rapporteur Dr Nazila Keshavarz	MC Member for Germany, COST Action TU1201
15:40 – 16:10	Session 2 Roundtable The Challenges of the Cities of Today and of Tomorrow: Built Environment and Ageing of Population	
16:10 – 16:40	Coffee break	
16:40 – 18:00	Session 3 The Challenges of the Cities of Today and of Tomorrow: the Sustainability and the Climate Change	
	Moderator Dr Ipek Erzi	Chair, Earth System Science and Environmental Management (ESSEM) Domain Committee, COST
	Prof. Soteris Kalogirou	Chair, COST Action TU1205 <i>Building Integrated Solar Thermal Systems</i>
	Prof. Phillip John Jones	Chair, COST Action TU1104 <i>Low Carbon Built Environment: Policy to Practice from a Regional Perspective</i>
	Prof. Anita Lloyd Spetz	Vice Chair, COST Action TD1105 <i>Projects Related to Cities of Tomorrow within the COST Network EuNetAir TD 1105</i>
	Prof. Dr Ayşegül Tanık	Full Professor (Environmental Engineering), ITU - Istanbul Technical University <i>The Urban Water Services of Tomorrow and the Climate: Alternative Water Resources for Cities</i>
	Rapporteur Fabrizio Varriale	MC Substitute for the United Kingdom, COST Action TU1104
18:00 – 18:30	Session 3 Roundtable The Challenges of the Cities of Today and of Tomorrow: the Sustainability and the Climate Change	

Day 2 | Thursday 18 September 2014

09:00 – 09:30	Registration
09:30 – 10:50	<p>Session 4 The Challenges of the Cities of Today and of Tomorrow: the Mobility</p> <p>Moderator Prof. Dr Enrique J. Calderón MC Member for Spain, COST Action TU1002</p> <p>Dr Pedro R. Kanof Managing Director, Kanof Mobility Solutions <i>Integral Approach for Mobility in Livable Cities: The Role of Non-Motorized-Transportation - A Proposal of Industrial Reconversion for a Sustainable Economic System</i></p> <p>Dr Pietro Perlo Vice President, Torino E District, Ifevs <i>The Challenge of Ageing in the Cities of Tomorrow</i></p> <p>Witold Olpiński Head, Rail Transport Branch Contact Point (EU Research Programmes), Instytut Kolejnictwa <i>The Importance of Railway Development for Cities of New EU Member States</i></p> <p>Dr Marco Aimò Alternative Traction & Electrification Manager (Innovation), Iveco S.P.A. <i>Toward the Full Electric Urban Mobility: The Iveco Vision</i></p> <p>Rapporteur Dr Dalit Shach-Pinsly MC Member for Israel, COST Action TU1305</p>
10:50 – 11:20	<p>Session 4 Roundtable The Challenges of the Cities of Today and of Tomorrow: the Mobility</p>
11:20 – 11:50	Coffee break
11:50 – 13:10	<p>Session 5 The Challenges of the Cities of Today and of Tomorrow: How to Use the Innovative Technologies</p> <p>Moderator Prof. Dr Gennady Andrienko MC Member for Germany, COST Action FP0804</p> <p>Prof. Javad Zarbakhsh MC Substitute Member for Austria, COST Actions MP1303 & IC1105 <i>Architecture, Education and Factories of the Future: How Computers and Robots Boost the Technology Innovation</i></p> <p>Dr Ognen Marina MC Member for FYR Macedonia, COST Actions TU1306 & TU1403 <i>Common Sense: Sensing the Environments of Urban Collectivity</i></p> <p>Prof. Mark Dyer Chair, COST Action TU1204 <i>People Friendly Cities in a Data World</i></p> <p>Prof. Pnina Ohanna Plaut Chair, COST Action TU1305 <i>Social Networks and Travel Behaviour: Transport Transition in the Digital Age</i></p> <p>Rapporteur Dr Therese Kenna MC Member for Ireland, COST Action TU1306</p>
13:10 – 13:40	<p>Session 5 Roundtable The Challenges of the Cities of Today and of Tomorrow: How to Use the Innovative Technologies</p>
13:40 – 14:40	Lunch

14:40 – 16:00	Session 6	
	The Challenges of the Cities of Today and of Tomorrow: the Increasing Urbanisation and the Shrinking Cities	
	Moderator Dr Marc Caball	Chair, Individuals, Societies, Cultures and Health (ISCH) Domain Committee, COST
	Prof. Dr Thorsten Wiechmann	Chair, COST Action TU0803 <i>Shrinking Cities in Europe: Evidence from COST Action “Cities Regrowing Smaller”</i>
	Prof. Dr Sigrun Kabisch	Head of the Urban and Environmental Sociology Department, UFZ - Helmholtz Centre for Environment Research <i>Urban Transformations Towards Sustainable Development in Shrinking and Growing Cities</i>
	Prof. Clara Cardia	Chair, COST Action TU1203 <i>Can Planning and Design Contribute to Safer Cities?</i>
	Prof. Lionella Scazzosi	Vice Chair, COST Action TD1106 <i>Urban Agriculture Europe</i>
	Rapporteur Dr Thomas Nehls	Working Group Member, COST Action TD1106
16:00 – 16:30	Session 6 Roundtable	
	The Challenges of the Cities of Today and of Tomorrow: the Increasing Urbanisation and the Shrinking Cities	
16:30 – 17:00	Coffee break	
17:00 – 18:00	Poster session (for COST Actions) and Exhibition (for the industry)	

Day 3 | Friday 19 September 2014

09:00 – 09:30	Registration
09:30 – 11:00	<p>Session 7 The Solutions for the Cities of Tomorrow: the Vision</p> <p>Moderator Prof. Cristina Pronello Chair, Transport and Urban Development (TUD) Domain Committee, COST</p> <p>Carsten Sperling Freelance Publisher, Vauban District Association <i>Collaborative Planning and Mobility Concept of Freiburg-Vauban: a Position of Committed Citizens</i></p> <p>Dr Maria Cristina Marolda Policy Officer (DG MOVE), European Commission <i>The Role of Women in Planning an Equal Urban Transport System</i></p> <p>Dr Miguel Correia de Brito Project Manager, Câmara Municipal de Lisboa <i>CITY.ZENS - BIP/ZIP Collaborative Strategy for Lisboa Local Development</i></p> <p>Prof. Marion Roberts MC Member for the United Kingdom, COST Action TN1201 <i>Fair Shared Cities: The Continuing Relevance of Gender to the Cities of Tomorrow</i></p> <p>Dr Elizabeth Pollitzer MC Substitute Member for the United Kingdom, COST Action TA1201 <i>Conceptual Model for Identifying Barriers and Needs to Integrate Sex-Gender as Dimension of Research and Innovation</i></p> <p>Prof. Francesco Profumo President, IREN S.P.A.</p> <p>Rapporteur Dr Cristian Camusso Postdoc Research Fellow, Politecnico di Torino</p>
11:00 – 11:30	Coffee break
11:30 – 12:25	<p>Session 7 Roundtable The Solutions for the Cities of Tomorrow: the Vision</p> <p>Moderator Prof. Cristina Pronello Chair, Transport and Urban Development (TUD) Domain Committee, COST</p> <p>via Video link Prof. Michael Batty MC Member for the United Kingdom, COT Action TU1305 <i>Cities and Computer Technology: Working for the Better</i></p>
12:25 – 13:05	<p>Rapporteurs' Presentations</p> <p>Dr Valentina Rappazzo (Session 1) Research Fellow in Transport, Politecnico di Torino</p> <p>Dr Nazila Keshavarz (Session 2) MC Member for Germany, COST Action TU1201</p> <p>Fabrizio Varriale (Session 3) MC Substitute for the United Kingdom, COST Action TU1104</p> <p>Dr Dalit Shach-Pinsly (Session 4) MC Member for Israel, COST Action TU1305</p> <p>Dr Therese Kenna (Session 5) MC Member for Ireland, COST Action TU1306</p> <p>Dr Thomas Nehls (Session 6) Working Group Member, COST Action TD1106</p> <p>Dr Cristian Camusso (Session 7) Postdoc Research Fellow, Politecnico di Torino</p>
13:05 – 13:15	<p>Closing of the workshop</p> <p>Dr Maria Uccellatore Member of the Committee of Senior Officials (CSO), COST</p>
13:15	Lunch

Organising Committee



Prof. Cristina Pronello

Chair

Transport and Urban Development (TUD) Domain Committee



Dr Marc Caball

Chair

Individuals, Societies, Cultures and Health (ISCH) Domain Committee



Dr Ipek Erzi

Chair

Earth System Science and Environmental Management (ESSEM) Domain Committee



Prof. Soulla Louca

Chair

Information and Communication Technologies (ICT) Domain Committee

COST Faces and Contacts

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COST Domains linked to the Conference



Earth System Science and Environmental Management (ESSEM)

ESSEM encompasses the rapidly-growing science and technology agendas relating to better understanding, observing, modelling and predicting the Earth system and thereby improved management of environmental conditions.

www.cost.eu/essem



Individuals, Societies, Cultures and Health (ISCH)

ISCH supports the development of knowledge and insights for citizens, democratic debate and decision-making in the public, private and voluntary spheres.

www.cost.eu/isch



Information and Communication Technologies (ICT)

ICT covers scientific and technical research in all areas of information and communication science and technologies.

www.cost.eu/ict



Transport and Urban Development (TUD)

TUD fosters research coordination in the fields of transport and the built environment, which play a strategic role in the modern society and economy.

www.cost.eu/tud

More about the European Cooperation in Science and Technology at www.cost.eu

About COST

COST (European Cooperation in Science and Technology) is Europe's longest-running intergovernmental framework for cooperation in science and technology funding cooperative scientific projects called 'COST Actions'. With a successful history of implementing scientific networking projects for over 40 years, COST offers scientists the opportunity to embark upon bottom-up, multidisciplinary and collaborative networks across all science and technology domains. Beyond the EU-27 member states, COST countries include Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Iceland, Norway, Serbia, Switzerland and Turkey. Israel is a cooperating state. Beyond the European borders, COST opens the European Research Area (ERA) to cooperation with non-European countries on the basis of mutual benefit.

■ www.cost.eu



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