



2nd Euro-Mediterranean  
Conference-Exhibition 2017

## *Conference Program*

**“Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean:  
Exploring Current Research Paths and Experience-based Evidence”**

**Aquila Atlantis Hotel, Heraklion-Crete / Greece, September 28-29, 2017**



National Technical University  
of Athens (NTUA)



Smart Cities Mediterranean Cluster  
(SMART-MED)



University of the Aegean



Urban and Regional Innovation  
Research (URENIO)



Institute of Computer Science (ICS)  
of the Foundation for Research and  
Technology - Hellas (FORTH)



KIOS Research and Innovation  
Center of Excellence,  
University of Cyprus

Thursday 28.9.2017	
<b>09.00-9.30</b>	<b>Registration – Welcome</b>
9.30-10.30	<p>Opening Session - Welcome speeches</p> <p>Chair of the Organizing Committee – Prof. Anastasia Stratigea – Welcome</p> <p>George Alexakis, Vice-Governor of Crete Region</p> <p>Petros Iniotakis, Vice Mayor in charge of Electronic Governance</p> <p>Kostis Mochianakis, Smart City Heraklion</p> <p>Nektarios Tavernarakis, Chairman of the Board of Directors at the Foundation for Research and Technology Hellas (FORTH)</p> <p>John Haronitis, President of TCG/ECD Steering Committee, Technical Chamber of Greece/ East Crete Department</p> <p>Ion Sayas, Deputy Ombudsman, Associate Prof. NTUA</p>
<b>10.30-11.30</b>	<p><b>Plenary Session – Room A</b></p> <p><b>Keynote speeches</b></p> <p><b>Chair: Assoc. Prof. Anastasia Stratigea</b></p>
10.30-11.00	“Smart Cities: Sense, View, Rediscover”, Prof. Constantine Stephanidis, FORTH, Institute of Computer Science, Greece
11.00-11.30	<p>“From Future of Europe Discussions to Funding of Smart Specialization”</p> <p>George Alexakis, Vice President of the Conference of Peripheral Maritime Regions (CPMR) – The InterMediterranean Commission and Vice-Governor of Region Crete, in charge of European and International Affairs</p>
11.30-12.00	Coffee break
<b>12.00-13.30</b>	<p><b>Plenary Session – Room A</b></p> <p><b>Establishing bridges between industry and academia / social community</b></p> <p><b>Chair: Chrysses Nicolaides, SMART-MED Network</b></p>
12.00-12.20	<p>1. ‘Smart Mobility as a driver for cities growth’</p> <p>Paola Ponticelli, KIUNSYSSrl, Italy</p>
12.20-12.40	<p>2. YDATA - Smart Water Management System</p> <p>George Apostolopoulos, OTS S.A. - Integrated Information Systems and Smart City Solutions, Greece</p>
12.40-13.00	<p>3. Technology owns the city, but who owns the technology? Democracy by design and the IoT trust framework of a Smart City</p> <p>Dr Manon Jütte, Alliander NV, The Netherlands</p>
13.00-13.20	<p>4. PLISION - The Multi-Thematic Platform for Organizing and Managing the Citizen’s Needs</p> <p>Lucas Laliotis, Greece</p>
13.20-13.30	Discussion
13.30-14.30	Lunch


Thursday 28.9.2017			
<b>14.30-16.00</b>	<b>Room A</b> <b>Session 1 – Recent Research Developments in Smart Cities in the MED</b> <b>Chair: Prof. Constantine Stephanidis</b>	<b>14.30-16.00</b>	<b>Room B</b> <b>Session 2 – Coping with Challenges of Island Communities – MED and Global Experience</b> <b>Chair: Assist. Prof. Dimitris Kavroudakis</b>
14.30-14.50	1. “Building a Smart City Ecosystem for Third Party Innovation in the City of Heraklion” <u>Manos Kalaitzakis</u> , Manos Dimitrakis, Katerina Karagiannaki, Athanasia Panousopoulou, Stefanos Papadakis, Vassilis Papakonstantinou, Constantine Stephanidis, Panagiotis Tsakalides and Alexandros Fragkiadakis	14.30-14.50	1. “Waste Management in Small Islands – Prospects and Problems of Recycling: The State Governance Approach” <u>Triantafyllia Charitopoulou</u> , Dimitris Podiotis and Argyro Remoundou
14.50-15.10	2. “Smart Cities on the Cloud” <u>Christina Kakderi</u> , Nicos Komninos, Panagiotis Tsarchopoulos and Anastasia Panori	14.50-15.10	2. “Sustainable Use of Water and Reconstruction of Water Community: A Case of the Amami Archipelago, Japan” <u>Masatoshi Motoki</u>
15.10-15.30	3. “Smart City Visualization Application for City Monitoring Based on Gesture Based Interaction” Manousos Bouloukakis, Emmanuel Kalaitzakis, Nikolaos Partarakis and Constantine Stephanidis	15.10-15.30	3. “The Use of Spatial Analysis Approaches for Smart Decision-Making of Subterranean Water” Panayiotis Kalaitzis, Dimitris Kavroudakis and Nikolaos Soulakelis
15.30-15.50	4. “Wireless Sensor Network for Securing Smart Cities” <u>Ala Khalifeh</u> , Yahya Maqableh, Anwar Alassaf and Mahmoud Alqudah	15.30-15.50	4. “Spatial Optimization Approaches in Search and Rescue Operations with the Use of Unmanned Aerial Vehicles” Konstantina Bika and Dimitrios Kavroudakis
15.50-16.00	Discussion	15.50-16.00	Discussion
16.00-16.30	Coffee break		

Thursday 28.9.2017			
<b>16.30-18.00</b>	<b>Room A</b> <b>Session 3 – Recent Research Developments in Smart Cities: Innovation, Participation, Management</b> <b>Chair: Assoc. Prof. Ion Sayas</b>	<b>16.30-17.40</b>	<b>Room B</b> <b>Session 4 – Technological Dimensions of Sustainable Mobility</b> <b>Chair: Prof. Avinoam Meir</b>
16.30-16.50	1. “Smart Tweets: The Metadata and Meaning of #Smartcities” Mark Wilson and Lisa Robinson	16.30-16.50	1. “Under Vehicle Inspection with 3D Laser Scanning in Entry or Control Points” Stamatis Chatzistamatis, Christos-Nikolaos Anagnostopoulos and Vassilios Mardiris
16.50-17.10	2. “Innovation, technologies, Participation – New Paradigms towards a 2.0 Citizenship” <u>Beniamino Murgante</u> , Giorgia Bottonico, Antonio Graziadei, Gerardo Sassano, Federico Amato, and Francesco Scorza	16.50-17.10	2. “Detection of Axis of Symmetry in Symmetric Objects from Image Sequences” Sotiris Tsakiridis and Christos-Nikolaos Anagnostopoulos
17.10-17.30	3. “Social Innovation and City-making: Gamification as a Means Towards a More Collaborative Process of Urban Planning” <u>Margarita Angelidou</u> and Artemis Psaltoglou	17.10-17.30	3. “Designing Privacy-Aware Intelligent Transport Systems: A Roadmap for Identifying the Major Privacy Concepts” Christos Kalloniatis, Dimitrios Kavroudakis, Amalia Polidoropoulou and Stefanos Gritzalis
17.30-17.50	4. “Complete Stock Portfolio Management Using Computational Intelligence” Asimina Dimara and <u>Christos-Nikolaos Anagnostopoulos</u>	17.30-17.40	Discussion
17.50-18.00	Discussion		
Social Programme			

Friday 29.8.2017			
<b>9.30-11.00</b>	<b>Room B</b> <b>Session 5 – Gathering Experience on Smart City Strategies</b> <b>Chair: Assoc. Prof. Christos-Nikolaos Anagnostopoulos</b>	<b>9.30-11.00</b>	<b>Room B</b> <b>Session 6 – Blue Growth – A New Challenge for Smart, Sustainable and Resilient Coastal and Island Communities in the MED</b> <b>Chair: Prof. Mark Wilson</b>
09.30-09.50	1. “Amsterdam Smart City: Strategy and Approach” Manon Jütte, Alliander NV, The Netherlands	09.30-09.50	1. “Creating Territorial Evidence for Maritime Spatial Planning” Stella Kyvelou-Chiotini and Dimitra Kitsiou
09.50-10.10	2. “Spatial Data Infrastructure for Urban Planning: The Case of Heraklion” Panagiotis Symeonidis, Theodoros, Vakkas and Eleni, Athanasopoulou	09.50-10.10	2. “Spatial Interactions Among Marine Uses in Greek Waters” Elen Gkadolou, Irida Maina, Kostas Kitsos, Stefanos Kavadas and Celia Vassilopoulou
10.10-10.30	3. “Smart to be Sustainable” <u>Orli Ronen</u> and Rafael Khazani	10.10-10.30	3. “The Role of Regions in BLUEMED Initiative, for Blue Growth' s Perspective” Eleni Hatziyanni
10.30-10.50	4. “Integrating Classical and ICT-enabled Participatory Tools for Engaging Citizens in Public Space Management and Regeneration in Small Peripheral Cities: The Case of Karditsa-Greece” Vasiliki Krommyda, <u>Giorgos Somarakis</u> and Anastasia Stratigea	10.30-10.50	4. “Costa Nostrum – Sustainable Beaches: An Awarded Innovative and Pioneer Tool for the Sustainable Management and Development of Mediterranean Coastal Zones – Beaches - Outcomes of the 2-Years Implementation” Vasileios Zisimopoulos, Athina Kypriotaki, Dimitris Poursanidis, Efi Ktistaki & Asimina Diakopoulou
10.50-11.00	Discussion	10.50-11.00	Discussion
11.00-11.30	Coffee break		

Friday 29.8.2017			
<b>11.30-13.30</b>	<b>Room A</b> <b>Session 7 – Smart Participation for Smart Citizens</b> <b>Chair: Dr. Martin Koplin</b>	<b>11.30-13.20</b>	<b>Room B</b> <b>Session 8 – Blue Growth – A New Challenge for Smart, Sustainable and Resilient Coastal and Island Communities in the MED</b> <b>Chair: Dr. (Vassiliki) Celia Vassilopoulou</b>
11.30-11.50	1. “Digital Urban Impact Lab PS2 as Tool for Urban Development” <u>Martin Koplin</u> and Stephan Siegert	11.30-11.50	1. “Maritime Spatial Planning as a Tool Towards the Europeanization of the Regional Seas: The Case of the Mediterranean” <u>Stella Kyvelou-Chiotini</u> and Ioanna-Vassiliki Pothitaki
11.50-12.10	2. “The Sound Space Tool and Sonic Experience” Aura Neuvonen	11.50-12.10	2. “Planning Tools and Technologies as well as Barriers Involved towards an Integrated Participatory Marine and Land Spatial Planning Approach” Nicoleta Panagou, Athina Kokkali and <u>Anastasia Stratigea</u>
12.10-12.30	3. “Citizen Informatics: Integrating Urban Data and Design for Stakeholders” <u>Cark Skelton</u> , Jeremy Bowes, Martin Koplin, Jee Won Kim, Michael Carnevale and Sara Diamond	12.10-12.30	3. “Urban Land Pressures and Sprawl in Coastal Areas of the Mediterranean: Evidence from Medium-sized Cities” <u>Apostolos Lagarias</u> and Ioannis Sagias
12.30-12.50	4. “Urban Walk Architecture Talk” <u>Marta Wroblewska</u> and Justyna Borucka	12.30-12.50	4. “Urban and environmental planning and design for resilience - Assessment of the resilience potential of the Western Coastal Front of Thessaloniki, Greece” <u>Margarita Angelidou</u> , Christina Balla, Anna Manousaridou, Stylianos Marmeloudis and Dimitrios Nalmpantis
12.50-13.10	5. “Iterative Approach for Co-creation in Urban Planning and Development” Igor Nedelkovski	12.50-13.10	5. “The Role of UAVs and Satellite Images in Coastal Management for Touristic Areas” <u>Konstantinos Topouzelis</u> , Apostolos Papakonstantinou, Michaela Doukari and Panagiotis Stamatis
13.10-13.30	6. “Wanderlost” Michael Johansson and <u>Thore Soneson</u>	13.10-13.20	Discussion
<b>13.30-14.30</b>	<b>Lunch</b>		

Friday 29.8.2017			
14.30-16.00	Room A Session 9 – Empowering and Engaging Citizens in a Smart City Context Chair: Prof. Beniamino Murgante	14.30-16.00	Room B Session 10 – Sustainable Mobility and Participation Chair: Prof. Igor Nedelkovski
14.30-14.50	1. “Educating the Smart City: Generating Smart Ideas for my City” Kalypso Apergi	14.30-14.50	1. “Denied Participation in Spatial Planning, Degraded Indigenous Mobility: Bedouin and Upgrading Transportation Infrastructure in Israel” <u>Avinoam Meir</u> , Batya Roded and Arnon Ben
14.50-15.10	2. “A Method for Developing a Game-enhanced Tool for Consumer Engagement in Demand Response” <u>Ioannis Lampropoulos</u> , Tarek Alskaif, Machteld van den Broek, Wilfried van Sark and Herre van Oostendorp	14.50-15.10	2. “Enhancing Public Engagement through Inclusive Tools and Technologies for SUMPs, Methodology Development for the City of Rethymno” Efthimios Bakogiannis, Maria Siti, Konstantinos Athanasopoulos, <u>Charalambos Kyriakidis</u> , Georgia Christodouloupoulou and Avgi Vassi
15.10-15.30	3. “The Geodesign Approach for Smart Spatial Governance in the Mediterranean Cities and Regions” <u>Michele Campagna</u> Chiara Cocco, Elisabetta Di Cesare and Xenia Kechagioglou	15.10-15.30	3. “Spatio-Temporal Analysis of Road Traffic Accidents as Lesvos Island, Greece” Michail Vaitis, Dimitris Kavrouidakis, Nikoletta Koukourouvli, Dimitrios Simos and Giorgos Sarigiannis
15.30-15.50	4. “Tracking Paths to Smart Governance: The Case of Korydallos Municipality, Greece” Andreas Alexopoulos, Nektaria Marava and <u>Anastasia Stratigea</u>	15.30-15.50	4. “Bike Sharing Systems as a Tool to Increase Sustainable Coastal and Maritime Tourism: The Case of Piraeus” Efthimios Bakogiannis, <u>Avgi Vassi</u> , Georgia Christodouloupoulou and Maria Siti
15.50-16.00	Discussion	15.50-16.00	Discussion
16.00-16.30	Coffee break		

Friday 29.8.2017			
16.30-18.00	<b>Room A</b> <b>Session 11 – Spatial Data Management in a Smart City Context</b> <b>Chair: Prof. Michele Campagna</b>	16.30-18.00	<b>Room B</b> <b>Session 12 – Smart, Sustainable and Resilient Cultural Management</b> <b>Chair: Prof. Stella Kyvelou-Chiotini</b>
16.30-16.50	1. “Automating a Synthesis Process for Minimal Dwelling and Clusters for Resilient Sustainable Mediterranean Cities” <u>Nir Polak</u> and Dafna Fischer-Gewirtzman	16.30-16.50	1. “The Traditional Performing Arts in Japanese Peripheral Regions and Digital Archives” Kenta Yamamoto
16.50-17.10	2. “Optimizing patient-to-hospital allocations considering available energy recourses during a large-scale disaster” <u>Nikolas Flourentzou</u> , Panayiotis Kolios, and Elias Kyriakides	16.50-17.10	2. “The Role of Maintenance of Cultural Heritage Sites in Urban Regeneration” <u>George Alexandrakis</u> , Nikolaos Rempis and Nikolaos Kampanis
17.10-17.30	3. “Spatial Analysis for Emergency Services in a Smart City Context” Marios-Konstantinos Batsaris, Dimitris Kavroudakis, Nikolaos Soulakellis and Themistoklis Kontos	17.10-17.30	3. “Tourism specialization assessment: an open geo-spatial approach” Giorgia Botonico, Antonio Graziadei, Gerardo Sassano, Federico Amato, <u>Francesco Scorza</u> , Beniamino Murgante
17.30-17.50	4. “3D Documentation of Properties and Property Rights for Hellenic Cadastre” <u>Dionysia-Georgia Perperidou</u> and Grigorios Mantopoulos	17.30-17.50	4. “Participatory Spatial Planning in Support of Cultural-Resilient Resource Management: The Case of Kissamos-Crete” <u>Maria Panagiotopoulou</u> , Giorgos Somarakis and Anastasia Stratigea
17.50-18.00	Discussion	17.50-18.00	Discussion
18.00-18.30	<b>Room A - Closing of the Conference</b> <b>Round table discussion – Room A</b>		
<div> 2nd Euro-Mediterranean Conference-Exhibition 2017</div>			
Social Programme			



AQUILA  
ATLANTIS HOTEL  
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Conference  
Venue



2nd 'SmartBlueCity' Euro-Mediterranean Conference 2017



Conference  
organizers



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