Featuring Territorial Intelligence of Small and Medium-sized Cities and Insular Communities in the Mediterranean Scenery

Building Bridges between Local Endeavors and Global Developments

smart blue city

3rd Euro-Mediterranean
Conference-Exhibition 2018

Conference Program

Awarded with the EYCH2018 label

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2018
EUROPEAN YEAR
OF CULTURAL
HERITAGE
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October 5-6, 2018, The Sun Hall Hotel, Larnaca - Cyprus

Organizers

National Technical University of Athens,
School of Rural and Surveying Engineering,
Dept. of Geography and Regional Planning

smart cities
Mediterranean
Smart Cities Mediterranean Cluster

Co-Organizers

Cyprus University of Technology

KOIOS
Research and Innovation Center of Excellence

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Universiteit Utrecht

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Sun Hall Hotel
Larnaca - Cyprus
5-6 October 2018

www.smartbluecity.com

Friday 5.10.2018	
09.00-9.30	**Registration – Welcome**
9.30-10.00	Welcome – Conference Chair Prof. Anastasia Stratigea Opening Session - Welcome speeches • Mr **Andreas Viras**, Mayor of Larnaca • Ms **Vassiliki Anastassiadou**, Minister of Transport, Communications and Works • Mrs **Nathalie Jaarsma**, Ambassador of the Kingdom of the Netherlands to Cyprus • Mr **Stavros Stavrou**, President of the Larnaka Chamber of Commerce and Industry • Cyta Officer (person to be announced soon)
10.00-11.30	**Plenary Session 1 – Room A** **Keynote speeches** **Chair: Prof. Anastasia Stratigea**
10.00-10.30	"Alexandria & Alexandrian-ism - A History of Cultural Interaction", Prof. Mohamed Fouad Awad, Egypt
10.30-11.00	"Sustainable Management of Underwater Cultural Heritage: The Route from Discovery to Engagement - Open Issues in the Mediterranean", Prof. Vasilike Argyropoulos, Greece
11.00-11.30	"Smartening up Engagement in Underwater Cultural Heritage: Key Enabling Tools and Technologies", Assist. Prof. Dimitrios Skarlatos, Cyprus
11.30-12.00	Coffee break
12.00-13.20	**Plenary Session 2 – Room A** **Establishing bridges between industry , policy makers and academi a / social community** **Chair: Chrysses Nicolaides, SMART-MED Cluster**
12.00-12.20	"Making our Cities Smart", Gabriel Panis, Service Delivery Platforms, Cyta
12.20-12.40	"Smart City Security and Surveillance – The Case of Zanzibar", George Alexandru, Revitech Global Solutions SRL
12.40-13.00	"Electric Vehicle Infrastructure in Cyprus", Marios Pappoutis, Electricity Authority of Cyprus
13.00-13.20	"Smart Cities and Citizens in Sustainable Coastal Settlements' Development", Ophir Paz Pines, Head of the Institute for Local Government, Social Sciences Faculty, Tel Aviv University, Director of the Israel Coastal Cities' Forum

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Friday 5.10.2018			
14.30-16.00	**Room A** – **(Cultural Heritage - CH 1)** **Session 1 – Linking Cultural Heritage (CH) to Technology in a Smart City Context** **Chair: Prof. Ian D. MacLeod**	**14.30-16.00**	**Room B** **Session 2 – Coping with Challenges and Risks in the MED Environment** **Chair: Prof. Yoav Yair**
14.30-14.50	1. "Interactive Visualization Methods for Accessing Built Heritage as Urban Commons in Mediterranean Cities", Georgios Artopoulos	14.30-14.50	1. "Hydro-environmental Monitoring Supported By Crowd-Sourcing Data For Flood Risk Management And Assessment", Andreas Kallioras , Athanasia Tsertou, Michail Diakakis, Christos Pouliaris, Andreja Jonoski and Angelos Amditis
14.50-15.10	2. "Governing Technology -based Cultural Heritage: The Case Study of Sardinia (Italy)", Chiara Garau, Paola Zamperlin, Margherita Azzari and Gianluca Melis	14.50-15.10	2. "H2020 VI -SEEM Cross-disciplinary Actions: Interactive Visualization of Climate Anomalies in Mediterranean Cities", Theodoros Christoudias, George Artopoulos and Panayiotis S. Charalambous
15.10-15.30	3. "Mapping Cultural Heritage in Coastal Areas with UAS: The Case Study of Lesvos Island ", Konstantinos Topouzelis , Apostolos Papakonstantinou, Ioannis Kourtzellis, Dimitris Kavroudakis, Michail Chtenellis, and Michail Vaitis	15.10-15.30	3. "Novel UAV functionalities for resilient critical infrastructures", Panayiotis Kolios, Nicolas Flourentzou and Elias Kyriakidis
15.30-15.50	4. "Smart Survey and Sustainable Protection of Mediterranean Hidden Architectural Heritage ", Zbigniew Paszkowski	15.30-15.50	4. "ICT-Based Participatory Design Model for Urban Transformation Areas Under Disaster Risk: The Case of Istanbul", Ahmet Gün, Burak Pak and Yüksel Demir *(virtual presentation)*
15.50-16.00	Discussion	15.50-16.00	Discussion
16.00-16.30	Coffee break		

Friday 5.10.2018			
16.30-18.00	**Room A** – **(CH 2)** **Session 3 – Linking Cultural Heritage (CH) to Technology and Training in a Smart City context** **Chair: Assist. Prof. Georgios Artopoulos**	**16.30-18.00**	**Room B** **Session 4 – Sustainable Management of Inland / Sea Waters and Coastal / Island Areas – Evidence-based Results** **Chair: Assist. Prof. Chiara Garau**
16.30-16.50	1. "A Serious Game Platform for Learning Folkloric Dances Using Depth Sensors and Labanotation ", Ioannis Rallis and Anastasios Doulamis	16.30-16.50	1. "Blue Line - Urban Design Project in Beirut, Lebanon", Yiannis Aesopos, Elia Zenghelis, Yiannis Karras, Areti-Vasiliki Katramadaki , Eleni Adamidou and Daphne Papadopoulou
16.50-17.10	2. "Enhancing Cultural Tourism Experiences in Albania through Mobile Augmented Reality Applications", Ana Dhembi, Endri Xhina, Dimitris Kavroudakis and Christos Kalloniatis	16.50-17.10	2. "Decision Support Tools for Maritime Spatial Planning: Lessons Learned from a Case Study in Central Mediterranean Waters ", Irida Maina , Eleni Gadolou, François Bastardie, Stefanos Kavadas, Vassiliki Vassilopoulou
17.10-17.30	3. "Land, Bio -Cultural Heritage Conservation and Urbanization of the Bedouin in Israel ", Avinoam Meir	17.10-17.30	3. "Synergy of New Investments with the Sustainable Development of Small and Medium Island Cities- Case Study Karsibór", Sylwia Kolowiecka
17.30-17.50	4. "Smart Specialization in Support of Regional Development in the Eastern Mediterranean: Designing a University -Led Science, Engineering and Technology Centre of Excellence for Cultural Heritage in Cyprus ", Phaedon Kyriakidis , Athos Agapiou, Vasiliki Lysandr ou, Nicholas Kyriakides and Georgios Leventis	17.30-17.50	4. "Attica Islands ' Network: A Step forward for the Development of Municipalities of Attica Islands ", Dimitrios Bogiatzis and Dionysia-Georgia Ch. Perperidou
17.50-18.00	Discussion	17.50-18.00	Discussion

Friday 5.10.2018	
16.30-18.00	**Room C** **Session 5** – **"Larnaca towards 2030"** **Chair:** Floros Voniatis & Stavros Stavrou

Presentation of the Strategic Plan of the city of Larnaca, paving city's developments towards 2030, prepared by UCLan Cyprus – University of Central Lancashire Cyprus and the Larnaka Chamber of Commerce and Industry
Name of presenters to be announced soon

Chair
Floros Voniatis, Executive Director and Chair of the Council of UCLan CyprusUniversity
Stavros Stavrou, President of the Larnaka Chamber of Commerce and Industry

Brainstorming session with invited stakeholders of the local community and other participants.

Discussion panel
Ioannis Lambropoulos, Assist. Prof., Utrecht Univ.
Francesco Scorza, Assist. Prof., Univ. of Basilicata
Anastasia Stratigea, Prof. NTUA, Conference Chair
Cyta representative

Other stakeholders

Larnaca City, Cyprus

Saturday 6.10.2018			
9.30-11.00	**Room A – (CH 3)** **Session 6 – Linking Cultural Heritage (CH) to Technology and Training in a Smart City context** **Chair: Prof. Phaedon Kyriakidis**	**9.30-11.00**	**Room B** **Session 7 – Smart and Sustainable Mobility** **Chair: Prof. Avinoam Meir**
09.30-09.50	1. "In-situ conservation of a WWI Australian submarine in the Sea of Marmara, Turkey", Ian D. MacLeod	09.30-09.50	1. "AI and Road Maintenance", Mark DeSantis
09.50-10.10	2. "Comparing the Potential of Combining Protection of Underwater Cultural Heritage with Tourism Activities in three Mediterranean Countries", Zacharoula Kyriazi, Athena Mourmouris, Maria Maniopoulou and Vassiliki Vassilopoulou	09.50-10.10	2. "Involving Citizens in a Participation Process for Increasing Walkability", Beniamino Murgante, Raffaella Carbone, Lucia Saganeiti and Francesco Scorza
10.10-10.30	3. "Unburying Hidden Land and Maritime Cultural Potential of Small Islands in the Mediterranean for Tracking Heritage -led Local Development Paths – Case Study Leros -Greece", Dionysia Koutsi and Anastasia Stratigea	10.10-10.30	3. "Investigating the Desires of the Public with Sentiment Analysis in the Context of the Implementation of Sustainable Urban Mobility Plans (SUMPs) ", Efthimios Bakogiannis, Charalampos Kyriakidis, Maria Siti and Filippos Iliadis
10.30-10.50	4. "The Training Programme and the Digital Preservation Study of the Archaeological Remains from two Minoan Sites in Eastern Crete, Greece", Alexis Stefanis, Stefania Chlouveraki, Yigit Helvaci and Panagiotis Theoulakis	10.30-10.50	4. "Urban rail transit and urban land market: A comparative analysis between high -income and low -income neighbourhoods of Tehran -Iran", Amir Forouhar, Bahador Zamani and Mojtaba Rafieian
10.50-11.00	Discussion	10.50-11.00	Discussion
11.00-11.30	Coffee break		

Saturday 6.10.2018			
11.30-13.10	**Room A** **Session 8 – Smart Participation, Smart Citizens and Smart Urban Management – Planning Approaches, Tools and Technologies** **Chair: Dr. Martin Koplin**	**11.30-13.00**	**Room B** **Session 9 – Smart Energy Developments** **Chair: Prof. Panikkos Poutziouris**
11.30-11.50	1. "The Digital Impact Lab Bremen and Other Tools in PS2 ", Martin Koplin, Stephan Siegert, Thorsten Teschke and Mattias Damke	11.30-11.50	1. "Energy in the Built Environment ", Ioannis Lampropoulos, Tarek Alskaif and Wilfried van Sark
11.50-12.10	2. "Normalized Model of Readability of Cityscape as a Tool to Understand Social -Spatial Interactions", Kestutis Zaleckis, Indre Grazuleviciute-Vileniske and Jurga Vitkuviene	11.50-12.10	2. "Renewable Energy Role as one of the Key Drivers Forming Desired Sustainable Urban Communities Paradigm - Case-specific of Suez Canal Economic Zone (SCZone) ", Adel Elkfoury
12.10-12.30	3. "First Results of the Smart and Sustainable City Index in Israel ", Yoav Yair, Rafi Reich, Daniel Ra'anani and Nathan Marom	12.10-12.30	3. "Optimal Design and Operation of Temporary Power Installations - A Case Study on Cost and CO_2 Savings for Outdoor Festivals in the Netherlands ", Jim van Oosten, Ioannis Lampropoulos and Lukas Weimann
12.30-12.50	4. "Open1 YDATA – A Holistic Perspective on Smart Water Management ", Dr. George Apostolopoulos, Open Technology Services (OTS)	12.30-12.50	4. "An Assessment of Thermal Comfort and Air Quality in Educational Space: A Case Study of Design Studios in the AAST-Alexandria", Hana Awad
12.50-13.10	5. "Urban Inter -Genres: Collaborative Speculative Design as Pre-governance - The Walk-Acropolis, Design Jams and Participative Urban Re -Design Projects in PS2 ", Carl Skelton, Gregory Van Alstyne and Gianpaolo Baiocchi *(virtual presentation)*	12.50-13.00	Discussion
13.00-14.30	Lunch		

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Saturday 6.10.2018			
14.30-16.00	**Room A** **Session 10 – Tools and Technologies in a Smart City Context** **Chair: Prof. Zbigniew Paszkowski**	**14.30-16.00**	**Room B** **Session 11 – Approaches for Managing Social, Spatial, etc. Dimensions in Smart Urban Contexts** **Chair: Assist. Prof. Dimitris Kavroudakis**
14.30-14.50	1. "Approaching our Autonomous Future: A Bibliometric and Social Media Analysis ", Mark Wilson and Lisa Robinson	14.30-14.50	1. "RESet Urban Resonance - People´s Social Participation in New Urbanity", Martin Koplin, Mattias Damke and Stephan Siegert
14.50-15.10	2. "3D City Models as Tools in Urban Planning", Eleni Karachaliou , Margarita Angelidou and Efstratios Stylianidis	14.50-15.10	2. "GIS Based Estimation of Spatio -Temporal Population Distribution at the Building Level of Detail towards a Safer City", Marios Batsaris and Dimitris Kavroudakis
15.10-15.30	3. "Data-driven Dashboards: Monitoring and Analysing Local Labour Markets", Vaios Kotsios and Vasiliki Krommyda	15.10-15.30	3. "Lean Thinking as a Set of Guidelines for Smart Cities ", Arie Herscovici
15.30-15.50	4. "MO!N - Moderation, Orientation, Integration, Networking - Refugees Digital Education for Green Jobs ", Martin Koplin , Innes Knerr, Charlotte Diller, Denise Kappe, Matthias Heyder and Stephan Siegert	15.30-15.50	4. "Smart Decision Making Support Tool for Optimizing Student Allocation to School Units ", Marios Batsaris Dimitris Kavroudakis and Euripides Hatjiparaskevas
15.50-16.00	Discussion	15.50-16.00	Discussion
16.00-16.30	Coffee break		

Saturday 6.10.2018			
16.30-18.00	**Room A** **Session 12 – Sustainable Urban Management – Gathering evidence-based results from the Mediterranean and European Case Studies** **Chair: Prof. Mark Wilson**	**16.20-18.00**	**Room B** **Session 13 – Planning Smart Cities in the MED – Stepping forward Progress on Planning Approaches and Tools** **Chair: Prof. Beniamino Murgante**
16.30-16.50	1. "Cherished Burden - Integrating Heritage and Sustainability into a Comprehensive Coastal Strategy", Orli Ronen and Yaron Klein	16.20-16.40	1. "Ontology Development for Semantic Exploration of the Smart City Context in Small and Medium-Sized Cities in the Mediterranean", Maria Panagiotopoulou , Margarita Kokla and Anastasia Stratigea
16.50-17.10	2. "Smart City and Cadastral Data - Case Study Thessaloniki", Simos Misirloglou and Apostolos Arvanitis	16.40-17.00	2. "Island Synergy - A Method of Creative Integration in Spatial Planning and Management ", Zbigniew Paszkowski and Sylwia Kołowiecka
17.10-17.30	3. "Smart Fostering of Local Identity by Development of Temporary Functions on Post Industrial Areas ", Aleksandra Kuśmierek , Zbigniew Paszkowski and Sylwia Kołowiecka	17.00-17.20	3. "An Ecosystem Services -based Approach to Assess Territorial Impacts of Renewable Energy Sources Plants: The Case of Micro Wind Power Plants in Potenza ", Francesco Scorza, Angela Pilogallo, Beniamino Murgante and Giuseppe Las Casas
17.30-17.50	4. "Urban Regeneration Programs in Europe and Greece - From HafenCity to Ellhniko and St. Dionysius-Piraeus", Vasileios Eleftheriou, Joerg Knieling, Efthimios Bakogiannis and Maria Siti	17.20-17.40	4. "Increasing Effectiveness of Participatory Spatial Planning Processes: An e -Decision Support System ", Giorgos Somarakis and Anastasia Stratigea
17.50-18.00	Discussion	17.40-18.00	5. "Building Development Strategies for Collaborative Design and Negotiation: GEODESIGN Applications in Weakest Urban Areas", Francesco Scorza, Beniamino Murgante and Giuseppe Las Casas
18.00-18.30	**Room A - Closing of the Conference**		
18.30-23.00	**Social programme** (registration needed)		smart blue city 3rd Euro-Mediterranean Conference-Exhibition 2018

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