

OPTIMUS

OPTIMISING
ENERGY USE IN
CITIES THROUGH
SMART DECISION
SUPPORT SYSTEMS

OPTIMUS FINAL CONFERENCE

OPTIMUS Technological Solutions for Real-time Monitoring and Energy Management in Smart Cities



Wednesday, September 21, 2016 - Athens, Greece

Hosted by: In support of:





The Conference in brief

Making **Smart Energy Cities** a reality requires an intelligent and integrated assessment and consideration of various data sets, as well as relevant intelligent systems in a transparent and accessible manner. Monitoring and optimisation of available energy sources are expected to be the key factors contributing to market growth. Through the successful interconnection of **advanced ICT tools**, **smart automation systems** and **smart technologies / equipment**, integrated solutions for energy managers and energy consultancies can be provided, addressing the following questions:

- How optimizing the energy performance of buildings can help to achieve a Smart Energy City?
- How to plan in advance the behaviour of a building to suit future use scenarios?
- How gathering data from multiple domains and sources can help to better understand the behaviour of a building and to improve its performance?

In this context, OPTIMUS Final Conference “**OPTIMUS Technological Solutions for Real-time Monitoring and Energy Management in Smart Cities**” is taking place on the 21st of September 2016 in Athens, Greece, hosted by the Decision Support Systems Laboratory of the National Technical University of Athens. The scope of this Conference is to present new trends in **Smart Energy Cities**, giving particular emphasis on the innovative solutions of the OPTIMUS project.

The FP7 funded OPTIMUS project has developed a **package of advanced ICT tools** to assess smart energy cities and improve the energy performance of their buildings. **OPTIMUS Decision Support System (DSS)** sits on the top of existing energy management systems, integrating five data sources from various domains (weather, building monitoring, occupants’ feedback, energy prices and energy production) in order to propose short-term action plans for **building energy managers** to optimise energy use and thereby reducing energy costs and carbon emissions.

The programme is particularly aimed to: City energy managers and facility / building managers, technicians working on a Sustainable Energy Action Plans and Smart City solutions, Covenant of Mayors supporters and coordinators, energy agencies, energy providers, companies, energy/IT experts, researchers, etc.

Practicalities

Date: Wednesday, September 21, 2016 (09:15 - 16:30)

Location: Multimedia Conference Room – [NTUA Central Library Building](#), Zografou NTUA Campus (9, Iroon Polytechniou str., 15773, Athens Greece)

Language: The conference language is English

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The event is free of charge.



Programme

9:15 – 9:30	Registration
9:30 – 10:15	SESSION I. Introduction
9:30 – 9:45	Welcome Speech & Opening <i>Haris Doukas</i> (Assistant Professor, National Technical University of Athens, Greece)
9:45 – 10:15	OPTIMUS Decision Support System: Transforming Multidisciplinary Data to Energy Management Action Plans <i>Haris Doukas</i> (Assistant Professor, National Technical University of Athens, Greece) <i>Leandro Madrazo</i> (Director, Research group ARC Engineering and Architecture La Salle, Ramon Llull University, Spain) Questions & Answers
10:15 – 11:30	SESSION II. Introduction to the OPTIMUS Toolkit
10:15 – 10:30	OPTIMUS Smart Cities Energy Assessment Framework and Tracker <i>Vangelis Marinakis</i> (Researcher, National Technical University of Athens, Greece)
10:30 – 11:30	OPTIMUS Decision Support System <i>Alvaro Sicilia Gómez</i> (Researcher, Research group ARC Engineering and Architecture La Salle, Ramon Llull University, Spain) <i>Alfonso Capozzoli</i> (Assistant Professor, Politecnico di Torino, Italy) <i>Alice Gorrino</i> (Researcher, Politecnico di Torino, Italy) <i>Alessandro Venturin</i> (Energy Manager, D'APPOLONIA, Italy) Questions & Answers
11:30 – 11:45	Coffee Break
11:45 – 13:00	SESSION III. OPTIMUS Smart Cities – Strategy, Achievements and Perspectives
11:45 – 13:00	Smart Cities Sant Cugat, Savona and Zaanstad <i>Victor Martínez</i> (Director, Sant Cugat, Spain) <i>Pietro Pera</i> (Savona city representative, IPS, Italy) <i>Mansueto Rossi</i> (Researcher, University of Genoa, Italy) <i>Alex Beijers</i> (City representative, Zaanstad, the Netherlands) Questions & Answers
13:00 – 14:00	Networking Lunch
14:00 – 15:00	SESSION IV. Capitalising smart building solutions for a Smart City
14:00 – 15:00	Invited Speakers <i>Peter Andersson</i> (Partner in Smart City Lighthouse GrowSmarter, Veolia, Sweden) <i>Egle Randyte</i> (Head of Energy Efficiency, City of Vilnius, Lithuania) <i>Alexandros Flamos</i> (Associate Professor, University of Piraeus, Greece) <i>Dimitris Karadimas</i> (Head of Strategy, SenseOne Technologies SA, Greece) Questions & Answers



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15:00 – 15:15	Coffee Break
15:15 – 16:30	SESSION V. How to customise, exploit and scale up smart building solutions?
15:15 – 16:15	Invited Panellists <i>Catrin Maby</i> (Senior Consultant, Rickaby Thompson Associates, UK) <i>Nikos Chrysogelos</i> (President of the Social Cooperative “Anemos Ananeosis”, Greece) <i>Irene Skoula</i> (C40 City Adviser for Athens, Greece) <i>Kostas Georgiou</i> (Resilience and Sustainability Project Manager, City of Athens, Greece) <i>Haris Doukas</i> (Assistant Professor, National Technical University of Athens, Greece) <i>Facilitator: Helen Franzen</i> (Coordinator, ICLEI Europe, Germany)
16:15 – 16:30	Outlook and final remarks

Project Partners:



For further information visit:

www.optimus-smartcity.eu



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