



ONLINE WORKSHOP

Smart Cities digital transformation and digital competences for smart cities' personnel

<http://devops.uth.gr/dev/workshop/>

**Wednesday, June 3rd 2020 – 10:30 -14:30
(EEST – Athens time)**

PROGRAM

1st Part – The needs for digital transformation of cities – The Greek perspective **10:30 – 12:30**

1. *Greek digital cities*

Speaker: **Dimitrios PASTERGIOU**, Trikala Mayor, President of Association of Greek Cities

Speaker: **Georgios Soutis**, Deputy Mayor of Larissa

Speaker: **Chrisostomos KALOGIROU**, General Secretary, Thessaloniki Metropolitan Municipality network, Greece

2. *Cities' development and transformation*

Speaker: **George PETRAKOS**, Professor, University of Thessaly

3. *The requirements of the digital transformation*

Speaker: **Nikolaos KOMNINOS**, Professor, Aristotle University of Thessaloniki, Greece

4. *Drivers of digital transformation for Greek cities*

Speaker: **Giota PAPANIKOLAOU**, President, Greek Digital Industry Association (SEPE)

5. *Commercial platforms and solutions for smart cities*

Speaker: **Nikolaos LAMBROGEORGOS**, Senior Account Manager, Public Sector, CISCO Hellas



2nd Part – The European perspective

12:45 – 14:30

6. *Smart cities networks*

Speaker: **Mr. Davor MEERSMAN**, CEO Open and Agile Smart Cities (OASC)

7. *Intelligent Cities Challenge: shaping a smart, green and climate neutral future*

Speaker: **Dana ELEFThERIADOU**, Head of Advanced Technologies Team, DG for Internal Market, Industry, Entrepreneurship and SMEs, European Commission

8. *Water management for smart cities, collaborative open source development*

Speaker: **Mr. Alexandre BOSSHARD**, City of Pully, Switzerland

9. *European practices for transforming cities*

Speaker: **Fulvio ANANASSO**, Stati Generali dell'Innovazione, Italy

10. *Smart Cities Standards*

Speaker: **Ioannis SARIDAKIS**, ELOT

11. *Smart, Sustainable and Resilient Cities for all: Towards an integrated system of indicators for assessing of cities' performance.*

Speaker: **Anastasia STRATIGEA**, Professor, National Technical University of Athens

12. *Digital skills for smart cities - DEVOPS project*

Speaker: **Panos FITSILIS**, Professor, University of Thessaly

Organizing committee:

Prof. Panos FITSILIS, University of Thessaly, fitsilis@uth.gr

Prof. Leonidas ANTHOPOULOS, University of Thessaly, lanthopo@uth.gr

Christos ZIOZIAS, CITIESNET S.A., chrziozias@gmail.com

Theodoros PANAGIOTAKOPOULOS, Hellenic Open University, info@daissy.eap.gr

Ioannis SARIDAKIS, Hellenic Organization for Standardization, ixs@elot.gr

Vassileios Kyriatzis, University of Thessaly, kyriatzis@uth.gr



Communication Sponsor



DevOps Project
Contact Details:



DEVOPS project consortium partners





“DEVOPS COMPETENCES FOR SMART CITIES” Project Short Description

Project “**DevOps Competences for SmartCities**” (project number 601015-EPP-1-2018-1-EL-EPPKA2-SSA) is an Erasmus+ KA2/ Sector Skills Alliance project. The aim of the project is the professional development through appropriate training of the personnel who work or will work in Municipalities, which are gradually transformed into Smart Cities. This will be achieved with upskilling them with new IT skills and knowledge that is required for smart city management; such as the DevOps methodology.

The project has 13 partners (4 in Greece, 3 in Germany, 3 in Italy, 2 in Cyprus και 1 in Belgium). Project coordinator is University of Thessaly (UTH) while the other 3 partners in Greece are the Hellenic Open University (HOU), the Hellenic Organization for Standardization (ELOT) and Digital Cities of Central Greece (CITIESNET SA).

One of the main project’s objectives is to define **new job profiles**, for those who plan to work as smart city professional. These new job profiles are:

- A. Smart City Planner,
- B. Smart City IT Manager and
- C. Smart City IT Officer.

A **Smart City (SC) Planner** can be a high-level official that is able to bridge the needs that arise from cities traditional development and operational needs, smart and sustainable cities frameworks, best practices, standards and technologies and strategic priorities of the city’s political leadership.

A **SC IT Manager** can be defined as an ICT Consultant with responsibilities that include setting objectives and strategies for the IT department, through the implementation of suitable technological solutions, in order to support all internal operations while being responsible of designing and customizing new smart city’s systems.

A **SC IT officer** is an IT technical expert that should be able to analyze smart city’s organizational data, determine information system requirements and define project objectives, apply software development process, with appropriate tools and techniques, make recommendations for necessary IT systems, design, implement, deploy and operate new IT services and provide support and training to various types of users.

In order to create smart cities professionals a number of competences and skills need to be developed, which can be divided in 4 different groups:

- **Transversal Skills**. Includes the development of abilities such as creativity, entrepreneurial thinking, ability to work in a team, social skills, ambiguity tolerance, motivation to learn, emotional intelligence, strategic vision, intercultural skills, project and process management, design thinking, decision making and problem solving, leadership and management skills, stakeholder management, knowledge management and advanced presentation skills.
- **General IT management knowledge**. Includes the development of abilities in a variety of topics such as software development life cycles and agile methods, IT quality assurance, IT security, system and software architecture, basic concepts of Cloud computing, basic



concepts of Internet Of Things, basic concepts of Data Analytics, introduction to Artificial Intelligence and introduction to ITIL.

- DevOps skills. DevOps basic concepts (culture and practices), repository management, continuous integration, configuration management, use of building, deployment and monitoring tools and code analysis and continuous testing tools.
- Smart cities related. Includes knowledge and abilities about smart cities platforms, smart cities business models, smart services and operating procedures, smart cities standards and legal issues, smart city sustainability, smart city resilience, urban management, citizen driven/citizen orientation/user experience design and smart city financial management and procurement.

For more information please visit the project's official site:

<http://devops.uth.gr>