

Exploring Architectural and Organizational Features in Smart Cities

Leonidas Anthopoulos*, Panos Fitsilis*

**School of Business and Economics, TEI of Thessaly, Larissa ring road 41110 Greece*

lanthopo@teilar.gr, fitsilis@teilar.gr

(Pt9)Abstract— Smart cities is a “booming” international phenomenon and they suggest both a novel economic and research domain, which is concerned from various perspectives, i.e. smart growth and urban planning; living labs; information and communications technologies (ICT) state-of-the-art topics etc. Although smart cities follow different forms they offer various types of services to the local communities. Recent studies illustrate that smart cities tend to evolve to green or eco-cities, where technology is capitalized for urban sustainable growth. However, it is not clear what different architecture types are followed and how these architectures are formed. This paper investigates and compares the alternative architectures that are followed by existing smart city cases, as a means to understand how different architectures offer e-services in urban areas.

(Pt9)Keyword— smart city, ubiquitous city, smart services, e-services, urban technologies, smart city architectures



Dr. Leonidas Anthopoulos is an Assistant Professor at the Project Management Department of the TEI of Larissa, Greece. He has IT research, planning and Management experience within organizations, such as the Hellenic Ministry of Foreign Affairs, Information Society S.A., Smart City of Trikala etc. His research interests main concern e-Government, Smart Cities, Enterprise Architecture, etc.



Dr. Panos Fitsilis is a Professor at TEI Larissa, Greece, Head of School of Business and Economics. He has extensive project management experience with the development and deployment of large IT systems. He worked, as business unit manager at large software development companies. His research interests include: Project Management, Software Engineering, Business Process Reengineering, etc.