Table of Contents

International Journal of Electronic Government Research

Volume 12 • Issue 2 • April-June-2016 • ISSN: 1548-3886 • eISSN: 1548-3894

An official publication of the Information Resources Management Association

Special Issue on Smart Cities in Practice: Value Sources, Applications and Functionalities

Guest Editorial Preface

Leonidas Anthopoulos, Business School, TEI of Thessaly, Larissa, Greece
 Vishanth Weerakkody, Brunel Business School, Brunel University London, Uxbridge, UK
 Marijn Janssen, Faculty of Technology, Policy and Management, Delft University of Technology, Delft, Netherlands

Research Articles

1 Using a Use Case Methodology and an Architecture Model for Describing Smart City Functionalities

Marion Gottschalk, OFFIS e.V., Oldenburg, Germany Mathias Uslar, OFFIS e.V., Oldenburg, Germany

18 Design of Interactional Decision Support Applications for E-Participation in Smart Cities

Erich Ortner, Technum, Constance, Germany Marco Mevius, HTWG-Konstanz, Constance, Germany Peter Wiedmann, Axon Ivy AG, Munich, Germany Florian Kurz, HTWG-Konstanz, Constance, Germany

39 A Location-Aware Architecture for an IoT-Based Smart Museum

Giuseppe Del Fiore, IDALab, Department of Innovation Engineering, University of Salento, Lecce, Italy Luca Mainetti, IDALab, Department of Innovation Engineering, University of Salento, Lecce, Italy Vincenzo Mighali, IDALab, Department of Innovation Engineering, University of Salento, Lecce, Italy Luigi Patrono, IDALab, Department of Innovation Engineering, University of Salento, Lecce, Italy Stefano Alletto, ImageLab, University of Modena and Reggio Emilia, Modena, Italy Rita Cucchiara, ImageLab, University of Modena and Reggio Emilia, Modena, Italy Giuseppe Serra, ImageLab, University of Modena and Reggio Emilia, Modena, Italy

56 What is the Source of Smart City Value? A Business Model Analysis

Leonidas Anthopoulos, Business School, TEI of Thessaly, Larissa, Greece Panos Fitsilis, Business School, TEI of Thessaly, Larissa, Greece Christos Ziozias, Business School, TEI of Thessaly, Larissa, Greece

77 A Unified Smart City Model (USCM) for Smart City Conceptualization and Benchmarking

Leonidas Anthopoulos, Business School, TEI of Thessaly, Larissa, Greece Marijn Janssen, Faculty of Technology, Policy and Management, Delft University of Technology, Delft, Netherlands Vishanth Weerakkody, Brunel Business School, Brunel University London, Uxbridge, UK

COPYRIGHT

The International Journal of Electronic Government Research (IJEGR) (ISSN 1548-3886; eISSN 1548-3894), Copyright © 2016 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The International Journal of Electronic Government Research is indexed or listed in the following: ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; DEST Register of Refereed Journals; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; International Bibliography of the Social Sciences; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Worldwide Political Abstracts (WPSA)