



HAL
open science

Integration of Smart City and Lifecycle Concepts for Enhanced Large-Scale Event Management

Ahmed Hefnawy, Abdelaziz Bouras, Chantal Cherifi

► **To cite this version:**

Ahmed Hefnawy, Abdelaziz Bouras, Chantal Cherifi. Integration of Smart City and Lifecycle Concepts for Enhanced Large-Scale Event Management. 12th IFIP International Conference on Product Lifecycle Management (PLM), Oct 2015, Doha, Qatar. pp.687-697, 10.1007/978-3-319-33111-9_62 . hal-01377496

HAL Id: hal-01377496

<https://inria.hal.science/hal-01377496v1>

Submitted on 7 Oct 2016

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution 4.0 International License

Integration of Smart City and Lifecycle Concepts for Enhanced Large-Scale Event Management

Ahmed Hefnawy^{1,3}, Abdelaziz Bouras^{2,3}, Chantal Cherifi¹

¹ DISP Lab, Lyon 2 University, Lyon, France

² DCSE, College of Engineering, Qatar University, Qatar

³ Ministry of Information and Communications Technology (ictQATAR), Qatar

ahmed.hefnawy@univ-lyon2.fr

abdelaziz.bouras@qu.edu.qa

chantal.bonnercherifi@univ-lyon2.fr

References

- [1] The Economist Intelligence Unit. "Hosting Mega-Events: Managing Innovation in Infrastructure". White Paper Report, 14 pages, 2013.
- [2] V. Tsiatsis (editor), et.al. "Real-Time IoT Stream Processing and Large-scale Data Analytics for Smart City Applications". EU FP7 CityPulse Deliverable D5.1, 2014.
- [3] K. Främling, S. Kubler, A. Buda. "Universal Messaging Standards for the IoT from a Lifecycle Management Perspective". Journal of LATEX, Vol. 11, No. 4, pp.1 – 8, 2012.
- [4] N. Shrestha, S. Kubler and K. Främling. "Standardized framework for integrating domain-specific applications into the IoT". Aalto University – Finland, 8 pages, 2014.
- [5] S. Kubler, K. Främling and W. Derigent. "P2P Data Synchronization for Product Lifecycle Management". Aalto University – Finland, Université de Lorraine – France, 21 pages, 2013.
- [6] The International Standards Organization – Sustainable events with ISO 20121, 2012.
- [7] The London Organizing Committee of the Olympic Games and Paralympic Games Limited. "Olympic Gamed Official Report". March 2013.
- [8] International Olympic Committee. "Report of the Coordination Commission". Aug. 2013.
- [9] The Department for Business Innovation and Skills. "Global Innovators: International Case Studies on Smart Cities". October 2013.
- [10] A. Corallo, M. Latino, M. Lazoi, S. Lettera, M. Marra, and S. Verardi. "Defining Product Lifecycle Management: A Journey across Features, Definitions, and Concepts". ISRN Industrial Engineering, Vol. 2013, Article ID 170812, 10 pages, 2013.
- [11] H. Chourabi, T. Nam, S. Walker, J. Gil-Garcia, S. Mellouli, K. Nahon, T. Pardo, H. Scholl. "Understanding Smart Cities: An Integrative Framework". 45th Hawaii International Conference on System Sciences – IEEE computer society, pp. 2289 – 2297, 2012.
- [12] J. Wan, D. Li, C. Zou and K. Zhou. "M2M Communications for Smart City: An Event-Based Architecture". 12th International Conference-IEEE computer society, pp. 895-900, 2012.
- [13] C. Moser, T. Wendel, V. Carabias-Hütter. "Scientific and Practical Understandings of Smart Cities". Proceedings REAL CORP 2014 Tagungsband, pp. 507 – 514, 2014.
- [14] S. Lekamge and A. Marasinghe. "Developing a Smart City Model that Ensures the Optimum Utilization of Existing Resources in Cities of All Sizes". ICBAKE '13 Proceedings of the 2013 International Conference on Biometrics and Kansei Engineering, pp. 202-207, 2013.
- [15] The Open Group QLM Work Group. "An Introduction to Quantum Lifecycle Management (QLM)". November 2012.
- [16] M. ÁLVAREZ GIL. "Smart Cities and Sports: some examples from the 2014 World Cup". Smart City Business Institute, 2014.
- [17] S. Terzi, A. Bouras, D. Dutta, M. Garetti, and D. Kiritsis. "Product lifecycle management- from its history to its new role". Int. J. Product Lifecycle Management, V. 4, pp.360-389, 2010.