Open Source Solutions for Knowledge Management and Technological Ecosystems

Part of the Advances in Knowledge Acquisition, Transfer, and Management Book Series

Francisco J. Garcia-Peñalvo (University of Salamanca, Spain) and Alicia García-Holgado (University of Salamanca, Spain)

Description:

Over the past decade, diverse organizations have been turning to open source software for their technological needs, in both internal processes management and public interaction. Turning the data generated by organizations ranging from universities to large corporations into usable information has plagued users for years, making open source solutions one of the primary goals of these institutions.

Open Source Solutions for Knowledge Management and Technological Ecosystems addresses the issues surrounding the search for each organization's unique data management needs, defining the tools necessary to fulfill them within their technological ecosystem, along with the selection, interoperability, and integration of these tools.

Readers:

This book is ideal for managers, business professionals, software engineers, information technology professionals, and students of business and IT.

ISBN: 9781522509059   **Release Date:** October, 2016   **Copyright:** 2017   **Pages:** 270
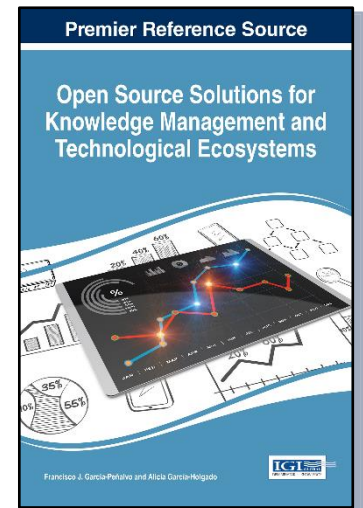
Topics Covered:

- Gamification Ecosystems
- Knowledge Structuring
- Learning Ecosystems
- Learning Management Systems
- OpenACS Community Framework
- Research Communities
- Sustainable Development
- Technological Ecosystem Maps
- Tool Interoperability
- User-Centered Design

Hardcover + Free E-Book:

$195.00

E-Book + Free Hardcover:

$195.00

Chapter 1
Enhancing education for the Knowledge Society era with Learning Ecosystems
Francisco J. García-Peñalvo, Ángel Hernández-García, Miguel A. Conde, Ángel Fidalgo-Blanco, María Luisa Sein-Echaluce, Marc Alier, Faraón Llorens-Largo, Santiago Iglesias-Pradas

Chapter 2
Tools Interoperability for Learning Management Systems
Nikolas Galanis, Enric Mayol, María José Casany, Marc Alier

Chapter 3
Technological Ecosystem Maps for IT Governance: Application to a Higher Education Institution
Rafael Molina-Carmona, Patricia Compañ-Rosique, Rosana Satorre-Cuerda, Carlos J. Villagrá-Arnedo, Francisco J. Gallego-Durán, Faraon Llorens-Largo

Chapter 4
Gamification Ecosystems: Current State and Perspectives
Velimir Štavljanin, Miroslav Minović, Miloš Milovanović

Chapter 5
Long-term Analysis of the OpenACS Community Framework
Gustaf Neumann, Michael Aram, Stefan Koch

Chapter 6
Need of the Research Community: Knowledge Management and Open Source Solution
Dhananjay Subhashchandra Deshpande, Pradeep R. Kulkarni, Pravin S Metkewar

Chapter 7
Software Engineering for Technological Ecosystems
Rajeshwar Vayyavur

Chapter 8
User-Centred Design and Evaluation of Information Architecture for Information Systems
André Lima Salgado, Fabrício Horácio Sales Pereira, André Pimenta Freire

Chapter 9
Knowledge Structuring for Sustainable Development and the Hozo Tool
Jenny Huang, Kouji Kozaki, Terukazu Kumazawa

Chapter 10
Trying to go open: Knowledge management in an academic journal
Özgün Imre

Francisco José García-Peñalvo completed his undergraduate studies in Computing at the University of Salamanca and University of Valladolid and his Ph.D. at the University of Salamanca. Dr. García-Peñalvo is the head of the research group GRIAL (Research Group Interaction and eLearning). His main research interests focus on eLearning, Computers & Education, Adaptive Systems, Web Engineering, Semantic Web and Software Reuse. He has led and participated in over 50 research and innovation projects. He was Vice Chancellor for Innovation at the University of Salamanca between March 2007 and December 2009. He has published more than 300 articles in international journals and conferences. He has been guest editor of several special issues of international journals (*Online Information Review, Computers in Human Behaviour, Interactive Learning Environments...*). He is also a member of the program committee of several international conferences and reviewer for several international journals. At present, he is the Editor-in-Chief of the *International Journal of Information Technology Research* and the *Education in the Knowledge Society Journal*. Besides, he is the coordinator of the multidisciplinary PhD Programme on Education in the Knowledge Society.