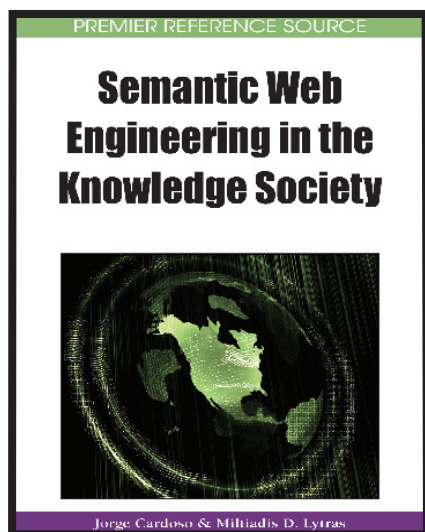


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Semantic Web Engineering in the Knowledge Society



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“This book lays the foundations for understanding the concepts and technologies behind the Semantic Web.”

- Jorge Cardoso, SAP Research, Germany

Semantics and ontologies offer an extension to traditional information systems in which information is given well-defined meaning, enabling computers and people to work in cooperation. With expanding uses and integrations of semantics and ontologies, research in Semantic Web engineering has grown immensely.

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Jorge Cardoso joined SAP Research (Germany) in 2007. He is also professor at the University of Madeira (Portugal) and the director of the of the SEED Laboratory. He previously gave lectures at the University of Georgia (USA) and at the Instituto Politécnico de Leiria (Portugal). Dr. Cardoso received his PhD in computer science from the University of Georgia (2002). While at the University of Georgia, he was part of the LSDIS Lab. where he did extensive research on workflow management systems. In 1999, he worked at the Boeing Company on enterprise application integration. Dr. Cardoso was the organizer of several international conferences on semantic Web and information systems. He has published over 80 refereed papers in the areas of workflow management systems, semantic Web, and related fields. He has also edited 3 books on semantic Web and Web services. He is on the editorial board of the Enterprise Information Systems Journal, the International Journal on Semantic Web and Information Systems, and the International Journal of Information Technology. He is also member of the editorial advisory review board of IGI Global. Prior to joining the University of Georgia, he worked for two years at CCG, Zentrum für Graphische Datenverarbeitung, where he did research on computer supported cooperative work.

Miltiadis D. Lytras is an assistant professor in the Computer Engineering and Informatics Department-CEID (University of Patras). His research focuses on semantic Web, knowledge management, and e-learning, with more than 100 publications in these areas. He has co-edited / co-edits, 25 special issues in International Journals (e.g. *IEEE Transaction on Knowledge and Data Engineering*, *IEEE Internet Computing*, *IEEE Transactions on Education*, *Computers in Human Behaviour*, etc) and has authored/[co-edited] 12 books [e.g. *Open Source for Knowledge and Learning management*, *Ubiquitous and Pervasive Knowledge Management*, *Intelligent Learning Infrastructures for Knowledge Intensive Organizations*, *Semantic Based Information systems*]. He is the founder and officer of the Semantic Web and Information Systems Special Interest Group in the Association for Information Systems (<http://www.sigsemis.org>). He serves as the (co) editor-in-chief of 12 international journals [e.g. *International Journal of Knowledge and Learning*, *International Journal of Technology Enhanced Learning*, *International Journal on Social and Humanistic Computing*, *International Journal on Semantic Web and Information Systems*, *International Journal on Digital Culture and Electronic Tourism*, *International Journal of Electronic Democracy*, *International Journal of Electronic Banking*, *International Journal of Electronic Trade*] while he is associate editor or editorial board member in seven more.

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