

CALL FOR BOOK CHAPTERS

Book: **Demand-Driven Web Services: Theory, Technologies and Applications**

Edited by Zhaohao Sun and John Yearwood

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Website: <http://www.igi-global.com/publish/call-for-papers/call-details/927>

Theme

Web services are playing a pivotal role both in business, service computing and social networking services, and cloud computing. This is also the case in the traditional FREG (foods, resources, energy and goods) services, because almost all traditional services are replaced fully or partially by web services. Demand-driven web services (DDWS) as a tri-paradigm, a computing paradigm, a service paradigm, and a management paradigm, is becoming important for web services, service computing, cloud computing, and social networking computing. However, many fundamental issues in developing DDWS remain open. For example, what is the demand theory of web services? What is a demand-driven architecture of web services? How should real world demands be classified? How should web services be classified? How can an ontology of web services be developed? This book will address these issues by exploring the cutting-edge theory, technologies, and methodologies of demand driven web services based on the novel classification of demands and web services emphasizing cloud services, mobile services, social networking services and e-business services from a perspective of computing, service and management. This book also provides applications of the proposed theory, technologies and methodologies to successful demand-driven web services in the real world. The proposed approaches will facilitate research and development of web services, e-business, service computing, mobile computing, cloud computing, and social computing.

Aims and Scope

This book aims at a broad audience of researchers and practitioners, and provides the reader with an updated understanding of demand-driven web services, cloud services, mobile services, and social networking services by attracting high quality manuscripts from academic researchers, policy makers and practitioners in this area. Papers of all theoretical and technological approaches and applications are welcome.

Submissions that cross multiple disciplines such as service, business, management, industry, information systems, and intelligent systems to develop theory and provide technologies and applications that could move theory and practice forward in demand-driven web services, cloud services, mobile services, e-business services, and social networking services are especially encouraged.

Topics

Topics of contributions include, but are not limited to, the following

Part I. Theory of demand-driven web services

- Topics: fundamental concepts, models, architectures, frameworks, schemes or theories for planning, designing, building, operating or evaluating, managing demand-driven web services.

Part II. Technologies for demand-driven web services

- Topics: AI-based technologies as such: rule-based systems, ontology-development systems, machine learning techniques, multi-agent systems techniques, neural networks systems, fuzzy logic systems, cased-based reasoning systems, genetic algorithms techniques, data mining algorithms, intelligent agents, user intelligent interfaces; and emergent AI-based technologies, Web technologies, service technologies, social networking technologies, decision making technologies, DSS technologies are welcome

Part III. Applications for demand-driven web services

- Topics: case studies and applications in using technologies and fundamental theory in Part I, II in the representative service domains such as: e-business services, mobile services, social networking services, cloud services, financial services, legal services, healthcare services, logistics services, educational services, e- FREG services, and military services taking into account demands from government, organization, enterprise, community, individual, customer, and citizen.

Part IV. Trends and Challenges on demand-driven web services

- Topics: emergent AI-based technologies, technologies of Big data, social networking services, integrations of these technologies, and the implications, challenges for demand-driven web services.

Part V. Emerging demands and emerging demand-driven web services.

- Topics: Emerging demands, emerging technologies including human computation and big data management, methodologies for demand-driven web services.

Submission Procedure

Please submit a brief summary, consisting of about 150 words, of the proposed chapter clearly identifying the main objectives of your contribution by April 8, 2013. Authors of the accepted proposals will be notified and provided with detailed guidelines. Full chapters are to be submitted by May 30, 2013.

All submissions through emails should be electronically sent to the book editors Dr Zhaohao Sun of University of Ballarat. email: z.sun@ballarat.edu.au, and Prof. John Yearwood at jly@ballarat.edu.au

Submission Format and Evaluation

Every book chapter submission should consist of 8,000-12,000 words, and be structured into sections including Abstract, Introduction, background (or related work), main sections, future research directions, conclusion, references. Every book chapter must be submitted in Microsoft® Word, and be typewritten in English in APA style based on “manage source” function.

Every book chapter submission is original. Only ORIGINAL articles will be accepted for publication by IGI-Global. Upon acceptance of your article, you will be required to sign a warranty that your article is original and has NOT been submitted for publication or published elsewhere.

Each chapter will be evaluated by at least two academic peers on related themes in a blind mode. Conditioned chapters will have an additional opportunity for being improved and evaluated. In the second evaluation, a definitive editorial decision among: accepted or rejected will be reported. All of the accepted chapters must be submitted according to the Editorial publishing format rules timely. Instructions for authors can be downloaded at: <http://www.igi-global.com/Files/AuthorEditor/guidelinessubmission.pdf>

Important Dates

- April 8, 2013: Submission of Abstract of the proposed chapter to the editors
- May 30, 2013: submission deadline of first version of full chapters.
- July 15, 2013: notification deadline of editorial results (definitively accepted chapter, conditioned chapter, or definitively rejected chapter).
- Early 2014: the book is scheduled for release.

You can also visit <http://www.igi-global.com/publish/call-for-papers/call-details/927> for related information.

Dr. Zhaohao Sun, PhD, ACS (Snr), CP, MIEEE, MAIS
Editor of Demand-Driven Web Services: Theory, Technologies, and Applications
Senior Lecturer in Information Systems
School of Science, Information Technology and Engineering (SITE)
University of Ballarat
University Drive Mt Helen, Po Box 663,
Ballarat VIC 3353, Australia
Email: z.sun@ballarat.edu.au
Web: <http://uob-community.ballarat.edu.au/~zsun/index.html>