



TCSC Newsletter

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*The Official
Newsletter of the
IEEE Computer
Society's
Technical
Community for
Services
Computing
(TCSC)*

Journals for Services Computing Researchers

Taking the mission of providing a vehicle for disseminating high quality research results in the field, the TCSC members are very active in working with different publishers to get first-class research journals out to the world.

International Journal of Web Services Research (JWSR)



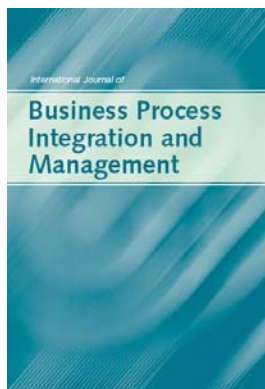
"The International Journal of Web Services Research (JWSR) is the first refereed, international publication featuring only the latest research findings and industry solutions dealing with all aspects of Web services technology. The overall scope of this journal will cover the advancements in the state of the art, standards, and practices of Web services, as well as to identify the emerging research topics and define the future of Services computing, including Web services on Grid computing, Web services on multimedia, Web services on communication, etc. In conclusion, the JWSR provides an open and formal publication for high quality articles developed by theoreticians, educators, developers, researchers, and practitioners for professionals to stay abreast of challenges in Web services technology." (Source: <http://www.idea-group.com/journals/details.asp?id=4138>)

International Journal of Business Process Integration and Management (IJBPIIM)

Business processes have played an important role in enabling business application integration and collaboration across multiple organizations. The integration can be categorized into two types: internal integration and external

integration. Internal integration includes all the integration aspects within one enterprise. Enterprise application integration (EAI) is a typical example of internal integration. External integration covers all the possible integration patterns across multiple enterprises. The typical business process based external application integration includes business process to application integration (BP2Ai) and business process to business process integration (BP2BPi).

To stay competitive, companies must be agile in adapting their business processes to the ever-changing market dynamics. The adaptive business process based enterprises should look beyond the traditional enterprises and marketplaces through collaborative interactions and dynamic e-business solution bindings. The enterprise infrastructure has to provide the capability for dynamic discovery of trading partners and service providers as well as enabling federated security mechanisms, solution monitoring and management.



The International Journal of Business Process Integration and Management will focus on the emerging business process modeling, simulation, integration and management using emerging technologies. IJBPIIM is the first academic journal that concentrates on the information technology (IT) level as well as the relationship between the business level and the IT implementation level.

The objectives of IJBPIIM are to establish an effective channel of communication between policy makers, government agencies, academic and research institutions and persons concerned with the complex role of business processes in e-Business solutions, engineering design collaboration, logistics management, etc. It also aims to promote and coordinate developments in the field of business process integration and management. The international dimension is emphasized in order to overcome cultural and national barriers and to meet the needs of accelerating technological and ecological changes in the global economy.

All papers are refereed through a double blind process. A guide for authors, sample copies, and other relevant information are available on the website www.inderscience.com.

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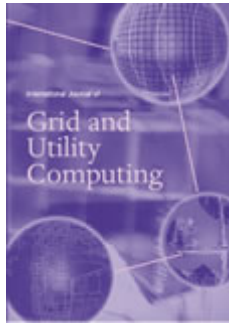
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<http://tab.computer.org/tcsc>

International Journal of Grid and Utility Computing (IJGUC)



Grid and Utility computing technology has been widely used in areas such as finance, defense research, medicine discovery, decision-making, and collaborative design. Currently, Grid computing has started to leverage Web services to define standard interfaces for business services like business process outsourcing, a higher level outsourcing mode of e-business on demand. The Grid and Utility can provide people from different organizations and locations to work together to solve a specific problem, such as design collaboration. This is a typical dynamic resource sharing and information exchange. The Grid and Utility computing platform allows resource discovery, resource sharing, and collaboration in a distributed environment.

The International Journal of Grid and Utility Computing (IJGUC) is a high-quality double-blinded refereed journal on Grid and Utility computing that serves as a forum for interested readers as well as individuals in the field to publish their research. IJGUC will facilitate communication and networking among the Grid and Utility computing community in a period where considerable changes are taking place in the field, and stimulate production of high-quality Grid Computing solutions and architectures.

The journal publishes original papers, review papers, technical reports, case studies, conference reports, management reports, book reviews, notes, commentaries, and news. Special issues devoted to important topics in Grid and Utility computing will occasionally be published. IJGUC will be published quarterly, four issues per volume, and one volume per year.

All papers are refereed through a double-blinded process. A guide for authors, sample copies, and other relevant information are available on the website www.inderscience.com/editorial.html.

Conference Announcements

Highlighted Conference: IEEE SCC 2004

Services Computing is the evolution of Internet computing by leveraging services oriented architecture. It encompasses a new class of ground breaking technology suite: Web services and services-oriented Grid/Utility Computing, e-business, and Autonomic Computing. Web services is finding pervasive applications in new products and applications. Grid computing has been leveraging Web services standards to provide standard interfaces for Grid resources. The service collaboration and management afforded by services computing will allow disaggregated businesses to form value chains for improving productivity. The paradigm shift in focus from data management to

process management is also leading to large-scale implementations based on services-oriented architecture.

The 2004 IEEE International Conference on Services Computing (SCC 2004) will be the first annual conference sponsored by the IEEE Computer Society Technical Community for Services Computing (TCSC) in collaboration with other technical committees in the IEEE Computer Society and other organizations in the world. The scope of SCC 2004 is Web services centric Services Computing that covers Grid/Utility computing, e-business computing, and autonomic computing. It will foster cross-disciplinary interaction in the field of services-centric computing technologies and applications. The insight and vision will shape the research agenda in Services Computing over the next decade.

SCC 2004 will be held in Shanghai, China, September 15-18, 2004. SCC 2004 is the extended event of the 2004 IEEE International Conference on Web Services (ICWS 2004, <http://conferences.computer.org/icws/2004>), which was held in San Diego, July 6-9, 2004. SCC 2004 provides a forum for researchers and industry practitioners to exchange information regarding advancements in the state of the art in Services Computing, to identify emerging research topics, and to explore the future directions of Services Computing.

The official language of SCC 2004 is English. Authors should submit a full (8-page) paper via electronic submission. You can find the online paper submission and review systems from the Paper Submission section. The Conference Proceedings will be published by IEEE Computer Society Press. Please follow the IEEE Computer Society Press Proceedings Author Guidelines to prepare your papers. The authors of the best papers will be encouraged to revise their papers for potential publication in the International Journal of Web Services Research (JWSR) and other journals.

Conference URL: <http://conferences.computer.org/scc/2004>.

Conference Status: ICWS 2004

The 2004 IEEE International Conference on Web Services (ICWS 2004) is the second annual conference focusing on Web services. ICWS is a forum for researchers and industry practitioners to exchange information regarding advancements in the state of the art and practice of Web services, as well as to identify the emerging research topics and define the future of Web services computing. ICWS 2004 is sponsored by IEEE Computer Society's Technical Community for Services Computing (TCSC).

The Program Co-Chairs of IEEE ICWS 2004, Prof. Hemant Jain and Prof. Ling Liu, wrote "This year we are pleased to present an extremely strong technical program. A total of 230 papers were submitted to ICWS this year (a record by far). Submissions were from over 15 countries. Of the 230 submissions, only 66 were accepted as full research papers. We were fortunate to have about 100 program committee members who assisted us by giving very detailed and timely reviews. All papers went through a thorough review process. At least two or more reviewers reviewed each paper. We had significant online PC discussion for both controversies and for final decision. After extensive discussions, 66 papers were accepted for full paper publication and presentation."

"A key aspect of ICWS is to bring the worlds of researchers from both Computer Science and Business Management together in a single, high-quality forum. Of the 66 papers accepted, there were CS papers, Business papers, and what we call "bridge" papers, as they bridge the gap between the two fields. In addition, we offer a strong industry track with 20 papers from researchers and practitioners working in the frontier of Web Services in industry. Furthermore, this year's technical program also contains 18 short papers in which authors are able to give a brief description of their research. Short paper sessions are newly introduced to ICWS this year and we hope to have started a new and fruitful tradition. Finally, ICWS 2004 technical program also includes two poster paper sessions and one student forum, enabling work-in-progress results to be shared and disseminated at the conference and 5 tutorials, reviewing the state of art in five different areas related to advances in Web Services."

KEYNOTES

1. Convergence of Web Services, Grid Services and Business Processes
Dr. Donald F. Ferguson
2. Extending the Innovation Ecosystem
Sharon Nunes
3. Going Public with Software-as-a-Service
Ephraim Feig
4. Business Services Networks
Jay M. Tenenbaum
5. Managing the Intelligent Enterprise
Umeshwar Dayal

PANELS

1. Future of Service-Oriented Computing
2. Innovative Applications using Web Services
3. Quality of Service Management
4. Security and Privacy in Web Services

TUTORIALS

1. Service Oriented Architectures and Semantic Web Process
Francisco Curbera, Amit Sheth, and Kunal Verma
2. Data Grid and Gridflow Management Systems
Arun Jagatheesan and Reggan Moore
3. Complex Event Processing
Opher Etzion
4. Successful Service-oriented Architecture with Web services: Beyond the Hype

Ali Arsanjani

5. Semantic Web services: Current Status and Future Directions
Massimo Paolucci and Katia Sycara

Call for Information for TCSC Newsletter

The purpose of the TCSC Newsletter is to provide dated information on Services Computing activities in a timely manner. Also, we will accept short articles written by TCSC members. The plan is to initially "publish" four issues a year. The editor is soliciting items pertaining to Services Computing for the following categories:

- Announcements about TCSC activities and achievements
- Conference announcements
- Call for papers - conferences and journals
- New publication announcements on Services Computing
- Special issues on Services Computing in journals
- Workshops, tutorials and book announcements
- New Web sites and research group on Services Computing
- Short articles on the latest development of Services Computing (8 pages)

TCSC Executive Committee



The TCSC Executive Committee discusses and defines the strategic directions for the IEEE Technical Community for Services Computing.

The executive committee members are from different regions and institutions, presenting a joint force between research institutes and corporations.

- Ephraim Feig, Kintera Inc, USA
- Patrick C.K. Hung, The Hong Kong University of Science and Technology, Hong Kong, China
- Hemant Jain, University of Wisconsin - Milwaukee, USA
- Mario Jeckle, U. of Applied Sciences Furtwangen, Germany
- Jeffrey Tsai, University of Illinois at Chicago, USA
- Zhiwei Xu, Institute of Computing Technology (ICT), Chinese Academy of Sciences, China
- Liang-Jie (LJ) Zhang (Chair), IBM T. J. Watson Research Center, USA