

CALL FOR CHAPTERS

Chapter Proposal Submission Deadline: April 1, 2005

Enterprise Service Computing: From Concept to Deployment

A Book edited by Dr. Robin G. Qiu, The Pennsylvania State University, USA

Introduction

Information has always been one of the most competitive factors for today's business operations. The deployment of integrated enterprise applications makes possible the delivery of the right information to the right user in a timely manner throughout an enterprise. The emerging enterprise service computing technology has recently gained tremendous momentum as it provides integrated systems better flexibility in adapting to market fluctuations and capability of evolving as technologies advance. Most importantly, enterprise service computing is cost-effective in the long run. It can efficaciously apply standard technologies while effectively aligning business processes.

The Overall objective of the Book

By soliciting chapters from the leading scholars and professionals worldwide, this edited book aims at putting together the latest research and development on emerging sciences and technologies in enterprise service computing, integration and management. The overall objective of this book is to systematically present the fundamental understanding and knowledge of enterprise service computing from a technical perspective. More specifically, this book will introduce enterprise service computing by incorporating the concept of business process management and service-oriented architecture. It will explain how enterprises can align information technology with their business goals while improving their business agility in terms of adapting to market fluctuations and capability of evolving as technologies advance. In addition, it will present some available mission-critical infrastructures, standards, and integration software tools. Using plain language and examples, the discovered sciences and technologies of enterprise service computing can thus be effectively disseminated in academia and explained to practicing professionals and managers.

The Target Audience

As the book will focus on technical challenges in applying enterprise service computing in enterprise integration, professionals, graduate students, professors, and researchers who have certain computing technology backgrounds will be the audience for this book. In general, this book should be as a great resource and reference for readers to facilitate their enterprise integration in enabling organizations to achieve better response, agility, flexibility, and cost savings.

Recommended topics include, but are not limited to the following:

- Overview of Enterprise integration
- Data integration
- Enterprise application integration
- Web services (SOAP, WSDL, and UDDI)
- Information integration and business agility for competitive advantage
- Business process management
- Service-oriented architectures
- Service computing and composition technologies
- Resource sharing and utility computing
- Open grid services architecture and infrastructure

- Grid programming model and development toolkit.
- Service security, scalability, reliability, and sustainability
- Requirement Engineering
- Design and Development
- Testing and Deployment
- Sustaining and Reuse
- Fortifying service network security
- Leveraging pervasive & ubiquitous service computing
- Optimizing enterprise computing infrastructure
- Maximizing IT Investments and business agility

Submission Procedure

Researchers and practitioners are invited to submit on or before April 1, 2005, a 2-5 page manuscript proposal clearly explaining the mission and concerns of the proposed chapter. Authors of accepted proposals will be notified by April 15, 2005 about the status of their proposals and sent chapter organizational guidelines. Full chapters are expected to be submitted by Aug. 15, 2005. All submitted chapters will be reviewed on a blind review basis. The book is scheduled to be published by Idea Group, Inc., www.idea-group.com, publisher of the Idea Group Publishing, Information Science Publishing, IRM Press, CyberTech Publishing and Idea Group Reference Imprints, in 2006.

Inquiries and Submissions can be forwarded electronically (Word document) to:

Dr. Robin, G. Qiu
Dept. of Information Science
The Pennsylvania State University
30 E. Swedesford Road
Malvern, PA 19355, USA
Ph. (610) 725 – 5313, Fax: (610) 648 – 3377
Email: robinqiu@psu.edu