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## Preface

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**Biographical notes:** Tomoya Enokido received his BE and ME Degrees in Computers and Systems Engineering from Tokyo Denki University, Japan in 1997 and 1999, respectively. He then worked for NTT Data Corporation, and joined Tokyo Denki University in 2002. He received his DE Degree in Computer Science from Tokyo Denki University in 2003. Then he worked for Computers and Systems Engineering as a research associate. He joined the Faculty of Business Administration of Rissho University in 2005. He is an Associate Professor in the Faculty of Business Administration, Rissho University. His research interests include distributed systems.

Tevfik Kosar has been an Assistant Professor in the Department of Computer Science and in the Center for Computation Technology (CCT) at Louisiana State University since the fall of 2005. He holds a BS Degree in Computer Engineering from Bogazici University, Istanbul, Turkey and a MS Degree in Computer Science from Rensselaer Polytechnic Institute, Troy, NY. He received his PhD Degree in Computer Science from the University of Wisconsin-Madison. He has received several prestigious awards for his work on data-aware distributed computing, including the NSF CAREER Award, the LSU Rainmaker Award, the LSU Flagship Faculty Award, and the LSU CCT Faculty of the Year Award.

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Web and grid-based services enable the provision of enhanced functionality and ensure collaboration on complex scientific activities like e-business applications, healthcare applications, environment and ecology applications and bioinformatics. The aim of this special issue is to seek novel ideas and technologies related to web and grid services for developing intelligent information systems.

This special issue includes five papers. These papers are the extended versions of the papers presented at the 3rd International Conference on Complex, Intelligent and

Software Intensive Systems (CISIS-2009) and its associated workshops held in Fukuoka, Japan between March 16–19th, 2009.

In the first paper, Amato et al. present an e-government system based on a novel multimedia document model. They have implemented a prototypal of the system which realises the described Information Retrieval and Presentation tasks for Long Term Preservation aims.

In the second paper, Yamazaki et al. developed a wearable vital sensor which can be used anywhere without disrupting the everyday life of the patient. Furthermore, they have implemented a ubiquitous health monitoring system which can confirm and share the sensor information received from a cellular phone attached to the wearable vital sensor immediately through the browser.

The third paper written by Aikebaier and Takizawa proposes a flexible agreement protocol of multiple peers by taking into account human behaviours in a fully unstructured P2P system model. They discuss forward, backward, mining, and observation strategies to efficiently make agreement in P2P system.

In the fourth paper, Mouri et al. propose a web-based lecture scene playback system using the digital picture-card show with the structured learning assistance function for distance learning. They have implemented the proposed system and applied the system to real courses. They show the effectiveness of the proposed system.

The last paper written by Lee et al. proposes intelligent surveillance systems for a simultaneous reference background image modelling and foreground segmentation algorithm which is based on the level set function. They show the effectiveness of the proposed scheme through experimentations.

On behalf of the programme committee of CISIS2009, we would like to thank all authors who submitted and contributed papers to this special issue. We would also like to thank Dr. David Taniar and Dr. Leonard Barolli for their useful comments and support in editing this special issue.