GUEST EDITORIAL PREFACE

Special Issue on Services Selection and Infrastructure

Patrick Hung, University of Ontario Institute of Technology, Oshawa, ON, Canada

This Special Issue of the International Journal of Web Services Research (JWSR) collects four papers related to services selection and service-oriented system infrastructure.

The first paper is titled *Revenue Optimization of Service Compositions using Conditional Request Retries*. Živković and Van den Berg explore a runtime service adaptation mechanism based on conditional retries for orchestrated Web services. They adopt dynamic programming to determine the optimal time to switch service candidates, taking into account various QoS parameters.

The second paper is titled *Efficient Measurement of Service Similarity*. Church and Motro explore runtime service substitution problem. They propose a method to model service similarity in metric spaces, and present a mechanism to calculate nearest neighbors at run time. Experiments are reported as well.

The third paper is titled *Technical Architecture of Enabling Body of Knowledge System for Effective Learning and Information Dissemination*. Zhang and Zhang report the design and development of the technical architecture of the Body of Knowledge (BoK) in the field of services computing. Experimental results have proved the effectiveness of the design of the knowledge delivery mechanisms and the architectural framework of the portal.

The fourth paper is titled *A Method for Optimizing Top-k Composite Services towards Preference-aware Service Dominance*. Zhang, Lin, Dou, and Chen propose an optimization method for top-k composite services based on a preference-aware service dominance relationship. A case study is reported as well as experimental results.

Patrick Hung
Guest Editor
IJWSR

Patrick C. K. Hung is an Associate Professor at the Faculty of Business and Information Technology in University of Ontario Institute of Technology, Canada. Patrick has been worked with Boeing Research and Technology on aviation services-related research with a patent on mobile network dynamic workflow system. In addition, he is a Visiting Researcher at the University of Aizu at Fukushima in Japan, a Guest Professor in University of Innsbruck in Austria, University of Trento and University of Milan in Italy. Before that, he was a Research Scientist with Commonwealth Scientific and Industrial Research Organization in Australia. He is a founding committee member of the IEEE International Conference of Web Services, IEEE International Conference on Services Computing, and IEEE BigData Congress. He is an associate editor of the IEEE Transactions on Services Computing.