

EDITORIAL PREFACE

Privacy on Services Selection and Infrastructure

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This 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 *Privacy-Aware Web Service Composition and Ranking*. Costante, Paci, and Zannone study how to take into consideration of customers' privacy preferences when selecting component services. Specially, their presented technique verifies the compliance between users' privacy requirements and providers' privacy policies, and ranks composite Web services based on their privacy level. Extensions to WS-Policy are also proposed to define privacy-related assertions.

The second paper is titled *Consumer Privacy Enforcement in Context-Aware Web Services*. Kapitsaki studies how to protect user privacy when they interact with Web services when context-aware features are involved. A Consumer Privacy Language is introduced for end users to specify privacy options; equipped with an enforcement mechanism that modifies SOAP messages accordingly.

The third paper is titled *A Co-clustering Approach to Learn Workflow Models from Event Logs*. Liu and Ding argue that the usage pattern of a user when accessing a business process system can be mined to help discovery multiple workflow models from event logs. They model a User Behavior Pattern (UBP) as a probabilistic distribution on sequences, in order to compute the similarity between UBPs and sequences. Experimental study is reported to evaluate the presented approach.

The fourth paper is titled *A Low-Delay, Light-Weight Publish/Subscribe Architecture for Delay-Sensitive IOT Services*. Sun, Qiao, Tan, Cheng, Shi, and Chen present a broker architecture as a key component in Event-Driven Service-Oriented Architecture (EDSOA) for IOT services. Multiple pub/sub brokers are organized into a Quorum-based P2P topology for efficient topic searching.

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Liang-Jie (LJ) Zhang is Senior Vice President, Chief Scientist, & Director of Research at Kingdee International Software Group Company Limited, and director of The Open Group. Prior to joining Kingdee, he was a Research Staff Member at IBM Thomas J. Watson Research Center. Dr. Zhang has published more than 140 technical papers in journals, book chapters, and conference proceedings. He has 40 granted patents and more than 20 pending patent applications. Dr. Zhang received his Ph.D. on Pattern Recognition and Intelligent Control from Tsinghua University in 1996. He chaired the IEEE Computer Society's Technical Committee on Services Computing from 2003 to 2011. He also chaired the Services Computing Professional Interest Community at IBM Research from 2004 to 2006. Dr. Zhang has served as the Editor-in-Chief of the International Journal of Web Services Research since 2003 and is the founding Editor-in-Chief of IEEE Transactions on Services Computing. He was elected as an IEEE Fellow in 2011, and in the same year won the Technical Achievement Award "for pioneering contributions to Application Design Techniques in Services Computing" from IEEE Computer Society. Dr. Zhang also chaired the 2013 IEEE 2nd International Congress on Big Data (BigData 2013), and the 2009 IEEE International Conference on Cloud Computing (CLOUD 2009).