

Contents

Context-Aware Systems and Applications

A Temporal Description Logic for Resource-Bounded Rule-Based Context-Aware Agents	3
<i>Abdur Rakib, Hafiz Mahfooz Ul Haque, and Rokan Uddin Faruqui</i>	
A Trust Propagation Model for New-Coming in Multi-agent System	15
<i>Manh Hung Nguyen and Dinh Que Tran</i>	
Modelling Circulation Behaviour of Vietnamese: Applying for Simulation of Hanoi Traffic Network	24
<i>Manh Hung Nguyen and Tuong Vinh Ho</i>	
Storing and Managing Context and Context History	35
<i>Alaa Alsaig, Ammar Alsaig, Mubarak Mohammad, and Vangalur Alagar</i>	
Drought Monitoring: A Performance Investigation of Three Machine Learning Techniques	47
<i>Pheeha Machaka</i>	
Inbooki: Context-Aware Adaptive E-Books	57
<i>Daniele Grassi, Anas Bouhtouch, and Giacomo Cabri</i>	
Resistance of Trust Management Systems Against Malicious Collectives . . .	67
<i>Miroslav Novotný and Filip Zavoral</i>	
A Context-Aware Model for the Management of Agent Platforms in Dynamic Networks	77
<i>Phuong T. Nguyen, Volkmar Schau, and Wilhelm R. Rossak</i>	
Building Consensus in Context-Aware Systems Using Ben-Or's Algorithm: Some Proposals for Improving the Convergence Speed	87
<i>Phuong T. Nguyen</i>	
Power-Aware Routing for Underwater Wireless Sensor Network	97
<i>Nguyen Thanh Tung and Nguyen Sy Minh</i>	
Fuzzy Logic Control for SFB Active Queue Management Mechanism	102
<i>Nguyen Kim Quoc, Vo Thanh Tu, and Nguyen Thuc Hai</i>	
Ultrasound Images Denoising Based Context Awareness in Bandelet Domain . . .	115
<i>Nguyen Thanh Binh, Vo Thi Hong Tuyet, and Phan Cong Vinh</i>	

Human Object Classification in Daubechies Complex Wavelet Domain	125
<i>Manish Khare, Rajneesh Kumar Srivastava, Ashish Khare, Nguyen Thanh Binh, and Tran Anh Dien</i>	
An Efficient Method for Automated Control Flow Testing of Programs	133
<i>Quang-Trung Nguyen and Pham Ngoc-Hung</i>	
Awareness of Entities, Activities and Contexts in Ambient Systems	144
<i>Bent Bruun Kristensen</i>	
A Method and Tool Support for Automated Data Flow Testing of Java Programs	157
<i>Van-Cuong Pham and Pham Ngoc-Hung</i>	
Rule-Based Techniques Using Abstract Syntax Tree for Code Optimization and Secure Programming in Java	168
<i>Nguyen Hung-Cuong, Huynh Quyet-Thang, and Tru Ba-Vuong</i>	
Overall Security Solutions for OPC UA Based Monitoring and Control Application	178
<i>Nguyen Thi Thanh Tu and Huynh Quyet Thang</i>	
The Evolutionary Approach of General Systems Theory Applied to World Wide Web	188
<i>Aneta Bartuskova and Ondrej Krejcar</i>	
Impact of Mobility on the Performance of Context-Aware Applications Using Floating Content	198
<i>Shahzad Ali, Gianluca Rizzo, Marco Ajmone Marsan, and Vincenzo Mancuso</i>	
Towards Classification Based Human Activity Recognition in Video Sequences.	209
<i>Nguyen Thanh Binh, Swati Nigam, and Ashish Khare</i>	
A New Fuzzy Associative Memory.	219
<i>Pham Viet Binh, Nong Thi Hoa, Vu Duc Thai, and Quach Xuan Truong</i>	
Content-Based Image Retrieval Using Moments.	228
<i>Prashant Srivastava, Nguyen Thanh Binh, and Ashish Khare</i>	
Coinductively Combinational Context-Awareness.	238
<i>Phan Cong Vinh and Nguyen Kim Quoc</i>	
Formal Modeling and Verification of Context-Aware Systems Using Event-B	250
<i>Hong Anh Le and Ninh Thuan Truong</i>	
A Method of Context-Based Services Discovery in Ubiquitous Environment	260
<i>Pallapa Venkataram and M. Bharath</i>	

Towards an Adaptive Visualization System in Context-Aware Environments	271
<i>Xiaoyan Bai, David White, and David Sundaram</i>	
Human Sensing for Tabletop Entertainment System	283
<i>Hafizuddin Yusof, Eugene Ch'ng, and Christopher Baber</i>	
Adaptive Sustainable Enterprises: A Framework, Architecture and Implementation.	293
<i>Gabrielle Peko, Ching-Shen Dong, and David Sundaram</i>	
A Stability-Aware Approach to Continuous Self-adaptation of Data-Intensive Systems	304
<i>Marco Mori, Anthony Cleve, and Paola Inverardi</i>	
A Comprehensive View of Ubiquitous Learning Context Usage in Context-Aware Learning System.	316
<i>Raoudha Souabni, Ines Bayouth Saadi, Kinshuk, and Henda Ben Ghezala</i>	

Context-Based Recommendation Systems

Data Mining Assisted Resource Management in Wide WLANs	329
<i>Thuy Van T. Duong, Dinh Que Tran, and Cong Hung Tran</i>	
Social Context-Based Movie Recommendation: A Case Study on MyMovieHistory	339
<i>Yong Seung Lee, Xuan Hau Pham, Duc Nguyen Trung, Jason J. Jung, and Hien T. Nguyen</i>	
Understanding Effect of Sentiment Content Toward Information Diffusion Pattern in Online Social Networks: A Case Study on TweetScope	349
<i>Duc Nguyen Trung, Tri Tuong Nguyen, Jason J. Jung, and Dongjin Choi</i>	
A Method for Normalizing Non-standard Words in Online Social Network Services: A Case Study on Twitter	359
<i>Dongjin Choi, Jeongin Kim, and Pankoo Kim</i>	
Combining Heuristics and Learning for Entity Linking	369
<i>Hien T. Nguyen</i>	
Author Index	379

Context-Aware Systems and Applications

Second International Conference, ICCASA 2013, Phu
Quoc Island, Vietnam, November 25-26, 2013, Revised
Selected Papers

Vinh, P.C.; Alagar, V.; Vassev, E.; Khare, A. (Eds.)

2014, XVI, 384 p. 145 illus., Softcover

ISBN: 978-3-319-05938-9