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Innovations in Bio-Inspired Computing and Applications

Proceedings of the 8th International
Conference on Innovations in Bio-Inspired
Computing and Applications (IBICA 2017)
Held in Marrakech, Morocco,
December 11–13, 2017

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Preface

Welcome to the Proceedings of the 8th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2017). IBICA 2017 was organized in conjunction with 13th International Conference on Information Assurance and Security (IAS 2017). Conferences were held at Mogador Hotels & Resorts, Marrakech, Morocco, during December 11–13, 2017. IBICA–IAS 2017 conferences are jointly organized by the Machine Intelligence Research Labs (MIR Labs), USA, and Faculty of Sciences and Techniques, Hassan 1st University, Settat, Morocco.

The aim of IBICA is to provide a platform for world research leaders and practitioners, to discuss the “full spectrum” of current theoretical developments, emerging technologies, and innovative applications of bio-inspired computing. Bio-inspired computing is currently one of the most exciting research areas, and it is continuously demonstrating exceptional strength in solving complex real-life problems.

The themes of the contributions and scientific sessions range from theories to applications, reflecting a wide spectrum of the coverage of bio-inspired computing, intelligent systems, and its applications. IBICA 2017 received submissions from over 18 countries, and each paper was reviewed by at least 5 reviewers in a standard peer-review process. Based on the recommendation by 5 independent referees, finally 33 papers were accepted for publication in the proceedings published by Springer-Verlag.

Many people have collaborated and worked hard to produce a successful IBICA 2017 conference. First and foremost, we would like to thank all the authors for submitting their papers to the conference, for their presentations and discussions during the conference. Our thanks go to Program Committee members and reviewers, who carried out the most difficult work by carefully evaluating the submitted papers. Our special thanks to Oscar Castillo (Tijuana Institute of Technology, Tijuana, Mexico) and Alexander Gelbukh (Instituto Politécnico Nacional, Mexico City, Mexico) for the exciting plenary talks.

We express our sincere thanks to special session chairs and organizing committee chairs for helping us to formulate a rich technical program.

Abdelkrim Haqiq
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Contents

Dynamic Parameter Adaptation Using Interval Type-2 Fuzzy Logic in Bio-Inspired Optimization Methods	1
Oscar Castillo, Frumen Olivas, and Fevrier Valdez	
Reducing Blackhole Effect in WSN	13
Sana Akourmis, Youssef Fakhri, and Moulay Driss Rahmani	
Minimum Spanning Tree in Trapezoidal Fuzzy Neutrosophic Environment	25
Said Broumi, Assia Bakali, Mohamed Talea, Florentin Smarandache, and Vakkas Uluçay	
Differential Evolution Assisted MUD for MC-CDMA Systems Using Non-orthogonal Spreading Codes	36
Atta-ur-Rahman, Kiran Sultan, Nahier Aldhafferi, and Abdullah Alqahtani	
Solving the Problem of Distribution of Fiscal Coupons by Using a Steady State Genetic Algorithm	49
Qëndresë Hyseni, Sule Yildirim Yayilgan, Bujar Krasniqi, and Kadri Sylejmani	
A Survey of Cross-Layer Design for Wireless Visual Sensor Networks	60
Afaf Mosaif and Said Rakrak	
An IPv6 Flow Label Based Approach for Mobile IPTV Quality of Service	69
Mohamed Matoui, Nouredine Moumkine, and Abdellah Adib	
NWP Model Revisions Using Polynomial Similarity Solutions of the General Partial Differential Equation	81
Ladislav Zjavka, Stanislav Mišák, and Lukáš Prokop	

Energy Consumption and Cost Analysis for Data Centers with Workload Control	92
Abdellah Ouammou, Mohamed Hanini, Said El Kafhali, and Abdelghani Ben Tahar	
A Stochastic Game Analysis of the Slotted ALOHA Mechanism Combined with ZigZag Decoding and Transmission Cost	102
Ahmed Boujnoui, Abdellah Zaaloul, and Abdelkrim Haqiq	
Analytic Approach Using Continuous Markov Chain to Improve the QoS of a Wireless Network	113
Adnane El Hanjri, Abdellah Zaaloul, and Abdelkrim Haqiq	
Determining and Evaluating the Most Route Lifetime as the Most Stable Route Between Two Vehicles in VANET	125
Mohamed Nabil, Abdelmajid Hajami, and Abdelkrim Haqiq	
Reverse Extraction of Early-Age Hydration Kinetic Equation of Portland Cement Using Gene Expression Programming with Similarity Weight Tournament Selection	133
Mengfan Zhi, Ziqiang Yu, Bo Yang, Lin Wang, Liangliang Zhang, Jifeng Guo, and Xuehui Zhu	
Performance Improvement of Bio-Inspired Strategies Through Feedback Laws	143
Lairenam Obiroy Singh and R. Devanathan	
A Semantic Approach Towards Online Social Networks Multi-aspects Analysis	157
Asmae El Kassiri and Fatima-Zahra Belouadha	
Towards a New Generation of Wheelchairs Sensitive to Emotional Behavior of Disabled People	169
Mohamed Moncef Ben Khelifa, Hachem A. Lamti, and Adel M. Alimi	
A Comprehensive Technical Review on Security Techniques and Low Power Target Architectures for Wireless Sensor Networks ...	178
Abdulfattah M. Obeid, Manel Elleuchi, Mohamed Wassim Jmal, Manel Boujelben, Mohamed Abid, and Mohammed S. BenSaleh	
A Closed Form Expression for the Bit Error Probability for Majority Logic Decoding of CSOC Codes over IT Channels	200
Souad Labghough, Fouad Ayoub, and Mostafa Belkasmi	
Straightforward MAAS to Ensure Interoperability in Heterogeneous Environment	211
Majda Elhormari and Ahmed Ettalbi	

A Capability Maturity Framework for IT Security Governance in Organizations	221
Yassine Maleh, Abdelkbir Sahid, Abdellah Ezzati, and Mustapha Belaissaoui	
System Multi Agents for Automatic Negotiation of SLA in Cloud Computing	234
Zineb Bakraouy, Amine Baina, and Mostafa Bellafkih	
A Comparison Between Modeling a Normal and an Epileptic State Using the FHN and the Epileptor Model	245
R. Jarray, N. Jmail, A. Hadriche, and T. Frikha	
Modeling the Effect of Security Measures on Electronic Payment Risks	255
Marie Ndaw, Gervais Mendy, and Samuel Ouya	
Modeling an Anomaly-Based Intrusion Prevention System Using Game Theory	266
El Mehdi Kandoussi, Iman El Mir, Mohamed Hanini, and Abdelkrim Haqiq	
Optimized Security as a Service Platforms via Stochastic Modeling and Dynamic Programming	277
Oussama Mjihil, Hamid Taramit, Abdelkrim Haqiq, and Dijiang Huang	
Multi-view Web Services as a Key Security Layer in Internet of Things Architecture Within a Cloud Infrastructure	288
Anass Misbah and Ahmed Ettalbi	
Access Domain-Based Approach for Anomaly Detection and Resolution in XACML Policies	298
Maryem Ait El Hadj, Yahya Benkaouz, Ahmed Khoumsi, and Mohammed Erradi	
Biometric Template Privacy Using Visual Cryptography	309
Sana Ibjaoun, Anas Abou El Kalam, Vincent Poirriez, and Abdellah Ait Ouahman	
Scalable and Dynamic Network Intrusion Detection and Prevention System	318
Safaa Mahrach, Oussama Mjihil, and Abdelkrim Haqiq	
A Hybrid Feature Selection for MRI Brain Tumor Classification	329
Ahmed Kharrat and Mahmoud Neji	
A Statistical Analysis for High-Speed Stream Ciphers	339
Youssef Harmouch and Rachid El Kouch	

Weighted Access Control Policies Cohabitation in Distributed Systems	350
Asmaa El Kandoussi and Hanan El Bakkali	
A Comparative Study on Access Control Models and Security Requirements in Workflow Systems	361
Monsef Boughrous and Hanan El Bakkali	
Author Index	375