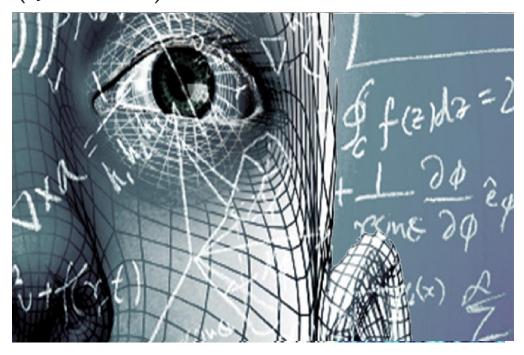


# International Journal of Applied Mathematics, Electronics and Computers (IJAMEC)



IJAMEC Volume 3 No 4 (2015

ISSN: 2147-8228

#### IJAMEC VOLUME 3 NO 4 (2015)

### **Editorial Team**

#### Editor in Chief

Ismail Saritas, Department of Electrical and Electronics Engineering, Selcuk University, Turkey

#### **Editors**

- Ilker Ali Ozkan, Department of Computer Engineering, Selcuk University, Turkey
- Dean M. Aslam, Electrical & Computer Eng., Michigan State University, United States

#### **Section Editors**

- Sakir Tasdemir, Department of Computer Engineering, Selcuk University, Turkey
- Humar Kahramanlı, Department of Computer Engineering, Selcuk University, Turkey

#### **Technical Editors**

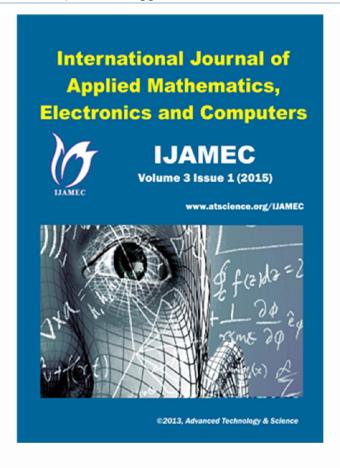
Mustafa Buber, Selcuk University, Turkey

#### Editorial Advisory Board

- Ahmed Zaki Rashed, Menoufia university, Egypt
- Ahmet Pekgor, Selcuk University, Turkey
- Alla Anohina-Naumeca, Riga Technical University, Latvia
- Ali Shoukat, Govt. Engineering College Bikaner,, India
- Almoataz Youssef Abdelaziz, Ain Shams University, Egypt
- Anatoly Victorovich Maslov, Tomsk Polytechnical University, Russian Federation
- Angel Smrikarov, University of Ruse, Bulgaria
- Aneliya Ivanova, University of Ruse, Bulgaria
- Charkaz Arif Aghayeva, Azerbaijan National Academy of Science, Azerbaijan
- Dean M. Aslam, Electrical & Computer Eng., Michigan State University, United States
- Dimitris Dranidis, Sheffield University, Greece
- Ernest Cachia, University of Malta, Malta
- Gulay Tezel, Selcuk University
- Heinz-Dietrich Wuttke, ILMENAU University of Technology, Germany
- Hilda Tellioglu, Vienna University of Technology, Austria
- Hulusi Karaca, Selcuk University, Turkey

#### International Journal of Applied Mathematics, Electronics and Computers (IJAMEC)

- Ilker Ali Ozkan, Department of Computer Engineering, Selcuk University, Turkey
- Ismail Saritas, Department of Electrical and Electronics Engineering, Selcuk University, Turkey
- Istvan Fuvesi, University of Szeged, Hungary
- Ivan Jelinek, Czech Technical University, Czech Republic
- Janusz Jabłonowski, Warsaw University, Poland
- Karl Jones, Liverpool John Moores University, United Kingdom
- Kemal Tutuncu, Selcuk University, Turkey
- Maja Bračič Lotrič, University of Nova Gorica, Slovenia
- Marco Porta, University of Pavia, Italy
- Mehmet HACIBEYOGLU, Necmettin Erbakan University, Turkey
- Meltem Huri Baturay, Ipek University, Turkey
- Murat KOKLU, Selcuk University, Turkey
- Mirjana Ivanovic, University of Novi Sad, Serbia
- Neli Maneva, Institute of Mathematics and Infromatics, Bulgarian Academy of Sciences, Bulgaria
- Nurdan BAYKAN, Selcuk University, Turkey
- Olegas Vasilecas, Vilnius Gediminas Technical University, Lithuania
- Rahime CEYLAN, Selcuk University, Turkey
- Rıdvan Saraçoğlu, Yuzuncu Yil University, Turkey
- Rodrigo Roman, University of Malaga, Spain
- Silyan Sibinov Arsov, University of Pavia, Bulgaria
- Stavros Nikolopoulos, University of Ioannina, Greece
- Qiaohua Wang, Huazhong Agricultural University, China



## **Table of Contents**

#### \* Research Articles

<b>Developing a Cryptosystem for Multimedia Data</b> Abdelsalam Abdelhamid Almarimi, Ibrahim Ali Almerhag,Farag Abdulaziz	223-225
Video Enhanced RFID Tracking System Nafiz Arica, Anil Celik, Bayazit Karaman, Coskun Bayrak, Onur Kececi	226-231
Moving Object Detection in Turbulence Degraded Video Nafiz Arica, Tufan Caliskan	232-236
Modelling and Adaptive Control of a Yeast Fermentation Process inside a Fed-batch Bioreactor Monica Roman, Dan Selisteanu, Emil Petre, Dorin Sendrescu 237-243	
Nonlinear Feature Extraction for Hyperspectral Images Cigdem Bakir	244-248
Adaptive Learning and Thinking Style to Improve E-Learning Environment Using Neural Network (ALTENN) Model	
Ali Elghali Ambarka, Hanan Ettaher Dagez	249-251
Development of Control Board of Microcontroller Based Automatic Cow Scratching Machine	
Kadir Sabanci, Murat Koklu, Cevat Aydin	252-255