



### **Call for Participation**

We invite you to join us in Dubai, UAE on December 21~22, 2019 for 8<sup>th</sup> International Conference On Soft Computing, Artificial Intelligence And Applications (SCAI-2019).

The Conference is a forum for presenting new advances and research results in the fields of Soft Computing, Artificial Intelligence And Applications. The Workshop will bring together leading researchers, engineers and scientists in the domain of interest from around the world.

### **Highlights of SCAI 2019 include:**

- Invited talk from eminent Professors
- Submission of 200 papers from North America to Australia and selection of only Quality papers
- 9<sup>th</sup> International Conference on Computer Science, Engineering and Applications (ICCSEA 2019)
- 11<sup>th</sup> International Conference on Wireless, Mobile Network & Applications (WiMoA 2019)
- 11<sup>th</sup> International Conference on Grid Computing (GridCom-2019)
- 8<sup>th</sup> International Conference of Networks and Communications (NECO 2019)
- 10<sup>th</sup> International Conference on Ubiquitous Computing (UBIC-2019)
- 10<sup>th</sup> International Conference on Communications Security & Information Assurance (CSIA-2019)
- 8<sup>th</sup> International Conference on Signal, Image Processing and Pattern Recognition (SPPR 2019)
- 10<sup>th</sup> International Conference on Internet Engineering & Web Services (InWeS 2019)

### **Registration Participants**

Non-Author / Co-Author/ Simple Participants (no paper)

**350 USD (With proceedings)**

Here's where you can reach us: [scai@iccsea2019.org](mailto:scai@iccsea2019.org) (or) [scaiconf34@yahoo.com](mailto:scaiconf34@yahoo.com)

## **Accepted Papers**

### **Prediction and Causality analysis of Churn using Deep Learning**

Darshan Adiga, Shabir Bhat, Muzaffar Shah and Viveka Vyeth, Datoin, Bengaluru, India

### **Fuzzy-controlled Genetic algorithm for Fault Detection in Distributed Systems**

Krishna Prasad, Department of Computer Science & Engineering, SRM University, Andhra Pradesh, India

### **Technical Analysis of Selenium and Cypress as Functional Automation Framework for Modern Web Application Testing**

Fatini Mobaraya and Shahid Ali, Department of Information Technology, AGI Institute, Auckland, New Zealand

### **Pseudo Random Number Generator Based on Look-up Table and Chaotic Maps**

Mousa Farajallaha<sup>1</sup>, Mohammed Abu Judeha<sup>1</sup>, Mohammed Abu Taha<sup>1</sup>, Omar Salhab<sup>1</sup> and Noor Jweihana<sup>1</sup>, Nikita Rechal and Sooriyan Aliyoglu<sup>2</sup>, <sup>1</sup>College of Information Technology and Computer Engineering - Palestine Polytechnic University-Hebron – Palestine and <sup>2</sup>College of Applied Professions, Palestine Polytechnic University-Hebron – Palestine.

### **Methodology and Architecture for Safety Management**

Matthieu Carré<sup>1,2</sup>, Ernesto Exposito<sup>1</sup> Javier Ibañez-Guzmán<sup>1,2</sup>, <sup>1</sup>Univ Pau & Pays Adour, E2S UPPA, LIUPPA, EA3000, Anglet, 64600, France and <sup>2</sup>Renault S.A.S, <sup>1</sup> av. du Golf, Guyancourt, 78288, France.

### **Enhancement in Leach-RFID Using Contention Avoidance Algorithm**

Tarun Sharma , Sanchita Arora, Department of Computer Science & Engineering, India

### **Implementation of VLAN via Wireless Networks Using OPNET Modeler**

Tareq Al-Khraishi<sup>1</sup> and Muhannad Quwaider<sup>2</sup>, <sup>1</sup>Department of Computer Engineering, Jordan University of Science and Technology, Irbid , Jordan, <sup>2</sup>Department of Computer Engineering, Jordan University of Science and Technology, Irbid , Jordan

### **An Overview of Auto-configuration Protocols in Mobile Ad Hoc Wireless Multi-hop Network**

Adel R. Alharbi, Computer Engineering Department, University of Tabuk, Saudi Arabia

### **Design and Fabrication of A Compact UWB Filter with WLAN Stopband Rejection Characteristic**

Mouloud CHALLAL, Institute of Electrical and Electronic Engineering, University M'Hamed BOUGARA of Boumerdes, Boumerdes, ALGERIA

### **Appropriating Theatre Methodology for Robot Behaviour**

Julienne A. Greer, Department of Theatre Arts, University of Texas at Arlington, Arlington, Texas

### **Performance Evaluation of Multi-Agent Agriculture System Using Markov Processes**

Hayam Seireg<sup>1</sup>, Ahmed Elmahalawy<sup>2</sup>, Yasser Omar<sup>3</sup>, Adel S.El-Fishawy<sup>4</sup> and Fathi E. Abd El-Samie<sup>5</sup>, <sup>1</sup>Department of Computer Science & Engineering, Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt, <sup>2</sup>Department of Computer Science & Engineering, Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt, <sup>3</sup>Arab Academy for Science Technology & Maritime Transport, Cairo, Egypt, <sup>4</sup>Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt, <sup>5</sup>Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt

### **A Survey of Random Forest Pruning Techniques**

Minu Rose<sup>1</sup> and Hani Ragab Hassen<sup>2</sup>, <sup>1</sup>Department of Mathematical and Computer Sciences, Heriot Watt University, UAE and <sup>2</sup><sup>1</sup>Department of Mathematical and Computer Sciences, Heriot Watt University, UAE

### **Comparison of Classification Techniques for Wall Following Robot Navigation And Improvements to the KNN Algorithm**

Sarah Madi, Riadh Baba-Ali, LRPE, USTHB BP 32 El Alia, Bab Ezzouar Algiers, 16111, Algeria

### **Self-organizing Algorithm for Massive Tractography Datasets Clustering With Outliers Elimination Based on Multiple Species Flocking Model**

Chekir Amira, LRPE Laboratory, FEI, USTHB University, Algiers, Algeria

### **Deviations in Linear Dynamical Systems Subjected to Uncertainty: Upper Estimates**

Mikhail Khlebnikov, Laboratory of Adaptive and Robust Systems, V. A. Trapeznikov Institute of Control Sciences of Russian Academy of Sciences, Moscow, Russia

### **Speckle Denoising of the Multipolarization Images by Hybrid Filters**

Mohamed Yahia, Tarig Ali, Md Maruf Mortula, and Arampola Mudiyansele Arampola, American University of Sharjah, Sharjah, UAE

### **A Progressive Stereo Matching Algorithm Based on Texture Extension**

Yingjiang Li<sup>1</sup>, Yuzhong Zhong<sup>2</sup> and Maoning Wang<sup>2</sup>, <sup>1</sup>Chongqing university of technology, Chongqing, China 400054 and <sup>2</sup>Sichuan University, Chengdu, Sichuan, China 610065.

### **Color Converting of Endoscopic Images using Decomposition Theory and Principal Component Analysis**

Keivan Ansari<sup>1,2</sup>, Alexandre Krebs<sup>1</sup>, Yannick Benezeth<sup>1</sup>, Franck Marzani<sup>1</sup>, <sup>1</sup>ImViA-Imaging and Artificial Vision, Université de Bourgogne, Dijon, France and <sup>2</sup>Dept. Color Imaging and Color Image Processing, Institute for Color Science and Technology, Tehran, Iran

## **Measuring Cmccon02 Color Inconstancy Index: Using Digital Camera as A Substitute For Spectrophotometers**

Mahdi Safi<sup>1</sup>, Tayebe Soleymanian<sup>2</sup>, Keivan Ansari<sup>1,3</sup>, Yannick Benezeth<sup>3</sup>, <sup>1</sup>Department Color Imaging and Color Image Processing, Institute for Color Science and Technology, Tehran, Iran, <sup>2</sup>Department. of Textile Engineering Amirkabir University of Technology, Tehran, Iran and <sup>3</sup>ImViA- Imaging and Artificial Vision, Université de Bourgogne, Dijon, France

## **Toward Multi-label Classification Using an Ontology for Web Page Classification**

Yaya Traoré<sup>1</sup>, Sadouanouan Malo<sup>2</sup>, Bassolé Didier<sup>1</sup> and Séré Abdoulaye<sup>2</sup>

<sup>1</sup>University Joseph KI-ZERBO, Ouagadougou, BURKINA FASO

<sup>2</sup>University Nazi Boni, Bobo-Dioulasso, BURKINA FASO

## **Comparison of Time Series Prediction of Healthcare Emergency Department Indicators with ARIMA and Prophet**

Diego Duarte<sup>1</sup> and Julio Faerman<sup>2</sup>, <sup>1</sup>FLAS (Faculty of Liberal Arts & Sciences) University of Greenwich, London, UK and <sup>2</sup>Universidade Autònoma de Barcelona, Plaça Cívica, Barcelona, Spain

## **Ransomware Mitigation Using Dynamic Features and Machine Learning**

Hiba Zuhair, Department of Systems Engineering, College of Information Engineering, Al-Nahrain University, Baghdad, Iraq

## **A Mixed Login Scheme Performed on Mobile Device to Resist Multiple Attack**

Jie Wan<sup>1</sup>, Liang Liu<sup>2</sup>, Dai Hua<sup>3</sup> And Wei Liu<sup>4</sup>, <sup>1</sup>College of Computer Science and Technology, NanJing University of Aeronautics And Astronautics, NanJing, China, <sup>2</sup>College of Computer Science and Technology, NanJing University of Aeronautics And Astronautics, NanJing, China, <sup>3</sup>School of Computer Science, Nanjing University of Post & Telecommunications, NanJing, China and <sup>4</sup>Nanjing Institute of technicians, NanJing, China.