Journal of Electronic Systems Volume 3 Number 1 March 2013

Contents	
Editorial	i
Research	
Towards a Multi Agents System Coupling Replication and Exception Handling- Mounira BOUZAHZAH, Ramdane MAAMRI	1
Path Planning and Obstacle Avoidance for Boe Bot Mobile Robot- Mohamed Ghorbel, Lobna Amouri, Christian Akortia Hie	10
GPU Implementation of Oscillator Network System with Plastic Coupling for Dynamic Image Segmentation- Ken'ichi Fujimoto, Mio Kobayashi, Tetsuya Yoshinaga	17
The Detection of Disease by Statistic Test of Analyze of Variance- Kaouther. El kourd, Amer El kourd	25
Book Review	35
Conference Notification	37
The Eighth International Conference on Digital Information Management (ICDIM 2	2013)
 The Fifth International Conference on the Applications of Digital Information and (ICADIWT 2013) 	Web Technologies
 The Third International Conference on Innovative Computing Technology (INTECH 	12013)
The First International Conference on New Visions for Information and Communi- (ICNVICT 2013)	cation Technology
 The Second Symposium on Nature Inspired Computing and Applications (NICA) 	@ AISB 2013

Editorial

The Journal of Electronic Systems has been entering in its third year of publication with increased coverage of scope and contents. This issue has the following papers.

In the first paper, the Multiagent systems are discussed by Mounira BOUZAHZAH and Ramdane MAAMRI in their paper on **"Towards a Multi Agents System Coupling Replication and Exception Handling"**. They intend to create a strong multi agents system which are guaranteed the fault tolerance. The next paper deals with control problem of unicycle mobile robots. Their method ensures robot navigation while avoiding obstacles present in the surrounding environment. sSimulation results support their claim and the work.

The discrete-time oscillator network system with a degradation (posterization) system for dynamic image segmentation is suggested by Ken'ichi Fujimoto, Mio Kobayashi and Tetsuya Yoshinaga in an early work who now for further speed-up of dynamic image-segmentation proposed an implementation of the proposed system into a graphics processing unit. Their paper **"GPU Implementation of Oscillator Network System with Plastic Coupling for Dynamic Image Segmentation"** is supported with more empirical data.

In the next paper, on **"The Detection of Disease by Statistic Test of Analyze of Variance"**, the authors Kaouther. El kourd and Amer El kourd have proposed **"Application the analyses of variance"**, Anova technique for working in electronic systems research.

The papers published in this issue hope to bring interesting future research.

Editors