1st Tunisian Workshop on Embedded Systems Design TWESD'2012
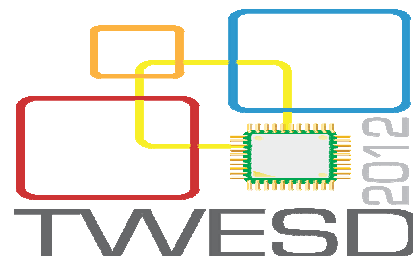
May 25-27, 2012
Monastir, Tunisia
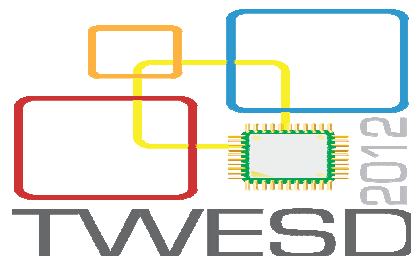
Planning

Friday May 25,2012	
12:00am	Registration
Opening Session	
2:30pm-3:00pm	Welcome by Mohamed Jallouli, Mohamed Abid
Workshop Session 1 : Image processing and Robotic Chair : Mohamed Jallouli	
3:00pm-3:30pm	« Medical Image Processing and analysis: breast cancer detection» by Atef Boujelben
3:30pm-4:00pm	« Image filtering with the adaptive and non linear filters» by Faten Ben Arfia
4 :00 pm-4 :30 pm	**Break**
4:30pm-4:50pm	«Identification face using GABOR and PCA » by **Faten Ben Bellakthar**
4:50pm-5:10pm	« Quadtree Based Covariance Features for Object Detection and Re-identification » by **Walid Ayadi**
5:10pm-5:30pm	«Robot localization algorithm using FPGA technology» By **Agnès Ghorbel**
5:30pm-5:50pm	« Study, design and realization of a 3D interface for robot control» By Emna Baklouti
5:50pm-6:10pm	«Automatic control of electric wheelchair for disabled people» by Fatma Ben Taher
6:10pm-6:30pm	«Contribution to the Conception of a Control System for Robotic» By Lilia Zouari
6:30pm-6:50pm	«Inference in Bayesian Networks of Low Probability» by Manel Dammak
6:30pm-7:30pm	
7:30pm-9:00pm	**Dinner**
Round Table 1 :	**Chair : Kais Loukil**
21:00pm-22:30pm	General Meeting and presentation of the laboratory teams Mohamed Abid, Mohamed Jallouli, Hafedh Trabelsi, Adel Mahfoudhi, Mohamed Amine Maalej, Nader Ben Amor, Mouna Baklouti, Omar Cheikhrouhou
Saturday May 26,2012	
6 :30am-8:00am	Sport Activities and Breakfast
Workshop Session 2: System on Chip Design Chair : Mouna Baklouti	
8:30am-8:50am	«Algorithmic adequacy of reconfigurable architectures for signal processing» by Walid Hassairi
8:50am-9:10am	«A modular dynamic adaptive system for multiprocessor

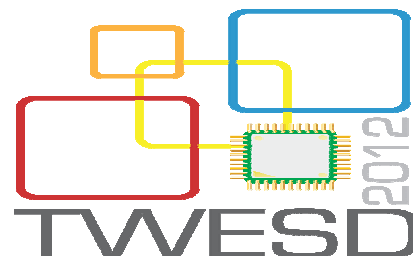|	
	heterogeneous architecture» by Mouna Ben Said
9:10am-9:30am	«Methodology of conception of adaptive multi-constraints system» by Tarek Frikha
9:30am-9:50am	«Exploring of homogeneous/heterogeneous multiprocessor architectures for parallel programming with OVPsim» by Sahar Guermazi
9:50am-10:10am	«Model-Based Scheduling Approach for OLLAF: A Dynamically Reconfigurable Architecture» by Ismail Ketata
10:10am-10:30am	Break
10:30am-10:50am	«Prototypage virtuel d'une application multimédia sous SocLib avec SystemC TLM» by Afef Mefteh
10:50am-11:10am	«A Fast Hardware/Software Co-Verification Method using a real hardware accelerator» by Mossad Ben Ayed
11:10am-11:30am	«Data fusion for the localization of a mobile robot» by Nihel Boussetta
11:30am-11:50am	«Instructions Set Optimisation in MPSOCs» by Bouthaina Dammak
11:50am-12:10am	«Development of a stack-based FPGA architecture prototype using 3D technology process» by Sonda Chtourou
12:10am-12:30pm	« optimization of microcontroller wireless interface, toward a better smatphone prototyping » by Slim Chtourou
Workshop Session 3 : Smart systems and devices Chair : Mohamed Hedi Gmiden	
8:30am-8:50am	«A DC-DC bidirectional Inverter for electric vehicle» by Mohamed Hedi Chabchoub
8:50am-9:10am	«Study of different topologies of three phase SMPMs based on a 3D FEA » by Anis Njeh
9:10am-9:30am	«Control Of a PMSG During a Failure Affecting the Converter and Under Unbalanced Grid Voltage Conditions Based On Fuzzy Logic Controllers» by Abdelaziz Ouederni
9:30am-9:50am	«Study and design of WSN for electric vehicle» by Wassim Jerbi
9:50am-10:10am	«Thermal modeling of an induction motor by finite element method in 3D» by Souad KHALED
10:10am-10:30am	Break
10:30am-10:50am	«Diagnosis of an electrical machine by Finite Element Method» by Wiem Zaabi
10:50am-11:10am	«Software Platform for the Study and Modeling of an Induction Machine by Finite Element Method» by Imed Lassoued
11:10am-11:30am	«Contribution to the modeling of iron loss in a Surface mounted permanent magnet motor» by Boussaha Sonia
11:30am-11:50am	«Fuzzy control Strategy of Hybrid System connect to Unbalenced Electrical Grid» by Kamel Jemaï
11:50am-12:10am	« On the dynamic modeling and iron losses evaluation of SMPM» by Msadek Hejra
12:10am-12:30pm	«Developpement of a New speech Signal enhancement approach» by Ali Mansouri
12:10am-2:00pm	Lunch
Workshop Session 4: Sensors Nets and Multimedia Chair : Tarek Ouni	
2:00pm-2:20pm	«Etude et conception de noeud de capteurs sans fils à base des technologies reconfigurables» by Mohamed Wassim Jmal
2:20pm-2:40pm	«Sécurité de routage dans les réseaux de capteurs sans fils» by

	Abderrahmen Guermazi
2:40pm-3:00pm	**«Vérification formelle probabiliste des RCSFs» by Maissa Elleuch**
3:00pm-3:20pm	**«Event detection in WSN based on Support Vector Machine (SVM) Classification» by Oussama Ghorbel**
3:20pm-3:40pm	**«A Semantic Framework for Wireless Sensor Networks Integration» by Sana Baccar**
3:40pm-4:00pm	**«Secure group Communication in WSN» By Manel Elleuchi**
4 :00pm-4:20pm	**«Localization and management of environmental data in Wireless Sensor Networks: Survey and Android application» By Ines Kammoun**
4:20pm-8:00pm	
8:00pm-9:00 pm	**Dinner**
Sunday May 27,2012	
6 :30am-8:30am	**Sport Activities and breakfast**
Workshop Session 5 : Software Engineering Chair : Yessine Hadj Kacem	
8:30am-8:50am	**«THOWRIA : A method of developing plastic user interfaces for workflow information system» by Wided Bouchelligua**
8:50am-9:10am	**«Towards a Usability Evaluation Model for Plastic User Interface» by Lassaad Ben Ammar**
9:10am-9:30am	**«Development of MultiProcessor Heterogeneous Real-Time Embedded Systems in the context of MDE: from modeling to realization» by Amina Magdich**
9:30am-9:50am	**«A model-driven based methodology for the design space exploration of Massively Parallel SoC» by Manel Ammar**
9:50am-10:10am	**«Multiprocessor Scheduling Analysis: A survey» by Walid Karamti**
10:10am-10:30am	**«Multiprocessor scheduling approach for real-time systems in the context of MDE» by Mariem Abdouli**
10:30am-10:50am	**«Modèle utilisateur bayésien orienté évaluation d'IHM » by Rim Rebai**
10:50am-11:10am	**«Differents types of evidences in bayesian network» by Ali Ben Mrad**
11:10am-11:30am	**«A dynamic adaptation approach toward generating ubiquitous computing System» by Hamdi Ikmel**
Round Table 2:	**Chair : Mohamed Abid**
11:30am- 12:30am	**Problems, solutions and challenges, next TWESD planning**
12:30am-1:30pm	**Lunch**
Release of rooms and departure	