Thursday, May, 24 2012

17h00 : Registration of participants
Welcome reception

Friday, May, 25 2012

08h00 : Official opening ceremony

08h30 – 09h30
Plenary Talk:
State estimation and diagnosis for systems described by multiple models
Pr. José RAGOT

Chair : Pr. Frédéric Hamelin
Co-Chairs : Pr. Hicham Jamouli / Pr. Mohamed Chadli

Technical Session 1: Diagnosis and Fault Tolerant Control
Chair : Pr. Joseph Yamé
Co-Chair : Pr. Frédéric Hamelin

09h30 – 09h45 :
On Active Fault-tolerant Control in Behavioral Context
T. Jain, J. Yamé and D. Sauter

09h45 – 10h00 :
Fault Detection and Control for Switching Discrete-time Systems: A Cone Complementarity Approach
A. Benzaouia, M. Ouladsine and B. Ananou

10h00 – 10h15 :
Using the Two-Stage Kalman Filter to Estimate Fault and Delay in Networked Control Systems
K. Chabir, D. Sauter and F. Hamelin

10h15 – 10h30 :
Integrated approach for diagnosis and fault tolerant control
H. Jamouli, M.A. El Hail, D. Sauter

10h30 – 10h45 :
A Geometric Approach to Nonlinear Fault Detection and Isolation for Three Cells Converter
S. Khelouat, T.M Laleg Kirati

10h45 - 11h15 Coffee Break and Posters
Technical Session 2: Security and Risk Management

Chair: Pr. Abdessamad Kobi
Co-Chairs: Pr. Hafida Bouloiz / Pr. Hicham Jamouli

11h15 – 11h30
Risk Analysis Model using UML and MADS model
H. Bouloiz, E. Garbolino, M. Tkiouat

11h30 – 11h45
Modeling of the ISO 27005 Standard
H. Bahtit, B. Regragui

11h45 – 12h00
Dependability of safety-critical component-based systems
M. Rhanoui, B. El Asri

12h00 – 12h15
Improving dependability analysis by combining functional and dysfunctional methods to Bayesian Network: Level Crossing case study
A. Bouchiba, M. Barreau, A. Kobi, A. Cherkaoui

12h15 – 12h30
Genetic Approach to Resolve the Assignment of Human Resources Problem
S. Tkatek, O. Abdoun, J. Abouchabaka

12h30 – 14h30 Lunch

14h30 – 15h15
Presentation of Schneider Electric Maroc
Mrs. Yousra Ryadi / Mr. Rachid Hattab

Technical Session 3: Control and Monitoring of Discrete / Continuous Systems

Chairs: Pr. Alexander Philippot / Pr. Abdellah Benzaouia
Co-Chairs: Pr. Atmane Baddou / Pr. Abdelouahed Tajer

15h15 – 15h30
Test Cases Generation from CTL* - a Methodology
J. Yang, M. Ghazel, El-M. El-Koursi

15h30 – 15h45
Design and implementation of decentralized controller for Discrete Manufacturing Systems
A. Tajer, A. Philippot, V. Carré-Ménétrier

15h45 – 16h00
Implementation of diagnosis approach for Discrete Event Systems
A. Philippot, P. Marangé, V. Carre-Ménétrier, B. Riera

16h00 – 16h15
Control strategy of PWM inverter autonomous with regulated output voltage
S. Farhat, R. Alaoui, A. Ihlal, L. Bouhouch

16h15 – 16h30
Design of multimodel bilinear observers for Takagi-Sugeno discrete fuzzy models
D. Saoudi, C. Mecheche, M. Chadli, N. Benhadj Braiek

16h30 – 16h45
Stepwise convergence rate improvement of linear constrained control continuous-time systems with a state observer
A. Baddou and I. Mandour

16h45 – 17h00 Coffee Break and Posters
Technical Session 4: Reliability and Maintenance Engineering

Chair: Pr. Abdessamad Kobi
Co-Chair: Pr. Abdennebi Talbi

17h00 – 17h15
Joint optimization of maintenance and inventory with double age ordering policy
H. Elhadaf, M. Tkiouat

17h00 – 17h15
Proposition of a method to help the evaluation of safety at work
B. Dakkak, Y. Chater, M. Guennoun, A. Talbi

17h30 – 17h45
Analysis of the causes of failure of a wind farm
A. Ezzaidi, R. Alaoui, A. Ihlal, L. Bouhouch

17h45 – 18h00
Contribution to the development of a methodology of outsourcing maintenance
Y. Chater, B. Dakkak, M. Guennoun, A. Talbi

Technical Session 5: Performance, Cryptology and Information Security

Chair: Pr. Bah Sliman
Co-Chair: Pr. Rachid Latif

17h00 – 17h15
Improving Miller's Algorithm Using the NAF and The window NAF
S. Ezzouak, M. El Amrani, A. Azizi

17h00 – 17h15
Performance Modeling of Attack Countermeasure Using Colored Petri Nets
A. El Bouchti, A. Haqiq

17h30 – 17h45
The classification of multidimensional modeling tools based on complex data warehouse process: Extraction, Transformation, Loading, Modeling and Analysis
H. Chliah, A. Asimi, K. Afdel

17h45 – 18h00
Secure transmission of medical data using LabVIEW Real-Time
B. Nassiri, R. Latif, A. Toumanari, F. M. R. Maoulainine, A. Dliou
Technical Session 7: Modelisation, Optimisation and Estimation

Chair: Pr. Abdelkhalak El Hami
Co-Chairs: Pr. Rachid Ellaia / Pr. Ghizlane Lakhnati

11h15 – 11h30
Scilab code of reduced gradient method for solving linear convex optimal control
A. El Mouatasim, R. Ellaia, E. Souza De Cursi

11h30 – 11h45
A Sustainable multidisciplinary approach to Building Regional Competitiveness
J. Verny, M. Itmi, A. El Hami, A. Cardon, L. Couturier, Habib Abdulrab

11h45 – 12h00
A Global Multiobjective Optimization Method For Constrained Engineering Design Problems
S. El Moumen, R. Ellaia, R. Aboulaich

12h00 – 12h15
Contribution to development of Reliability and Optimization methods applied to Mechanical Structures
S. Ouhimmou, A. El Hami, R. Ellaia, M. Tkiouat

12h15 – 12h30
An eigenstructure assignment method and its application
H. Maarouf and A. Baddou

12h30 – 12h45
A New Mutation Operator for Solving an NP-Complete Problem: Travelling Salesman Problem
O. Abdoun, C. Tajani and J. Abouchabka

12h45 – 13h00
A new hybrid genetic algorithm with particle swarm optimization and normal boundary intersection method for generating the Pareto frontier
H. Hachimi, R. Ellaia, A. Elhami

13h00 – 14h30 Lunch

14h30 – 15h00
Semi plenary talk
Recent methodologies for reliability-based design optimization and Security
Pr. Abdelkhalak El Hami

Chair: Pr. Abdessamad Kobi
Co-Chair: Pr. Rachid Ellaia

Technical Session 8: Product and Risk Project Management

Chair: Pr. Youssef Benadada
Co-Chair: Pr. Abdennebi Talbi

15h00 - 15h15
A constructive heuristic for the multi-depot distribution problem of petroleum products in large quantities by a heterogeneous fleet of vehicles
M. T. Benslimane, Y. Benadada

15h15 – 15h30
Risk analysis: Application to project management
M. Guennoun, B. Dakkak, Y. Chater, A. Talbi

15h30 – 15h45
Architecture of Supply Chain in Moroccan Citrus sector based on Multi-Agent system
H. Moutaoaokil, H. Jamouli

15h45 – 16h00
Identification of the causes of deadline slippage in construction projects: State of the art and Application
A. Challal, M. Tkiouat

16h00 – 16h15
The impact of the optimization of stopover management on the port attractiveness. Case of The port of Agadir
Technical Session 9: Signal, Image and Computer Security

Chairs: Pr. Atmane Baddou / Pr. Rachid Latif
Co-Chair: Pr. Mohamed Barbachi

16h30 – 16h45
Influence of the variation of Parameters on the Turbo Codes’ Performances
A. El Makrani, M. Mrabti

16h45 – 17h00
Ultrasound control of fish thawing process Optimal time of thawing and effect of freezing/thawing
Y. Ait El Kadi, A. Moudden, B. Faiz, G. Maze, D. Decultot

17h00 – 17h15
Modeling of a fiber optic sensor in its environment for Weight In Motion application
M. Barbachi, F. Bourquin

17h15 – 17h30
Analysis of biomedical signals by the empirical mode decomposition and parametric time-frequency techniques
S. Elouaham, R. Latif, A. Dliou, F. M. R. Maoulainine, M. Laaboubi

17h30 – 17h45
3D Face Recognition Using Gaussian Hermite Moments
N. Belghini, A. Zarghili, J. Kharroubi, A. Majda

17h45 – 18h00
Abnormal ECG signal analysis using the Choi-Williams non parametric time-frequency technique
A. Dliou, R. Latif, M. Laaboubi, F. M. R. Maoulainine

18h00 – 18h15
Non Linear System identification Using Takagi-Sugeno Fuzzy Model And RBF Neural Network Models
S. Chabaa, S. Ibnyaich and A. Zeroual

Technical Session 10: Mobile and Network Security

Chair: Pr. Michael H. Schwarz
Co-Chair: Pr. Bah Slimane

16h30 – 16h45
Monitoring System of Road Network via LBS, GIS and SMS Technologies
S. El Houssaini, A. Badri

16h45 – 17h00
A new design for the indoor localization system
A. Belakbir

17h00 – 17h15
A Novel algorithm to defend against collusion attack in Optimized Link State Routing Protocol
H. Zougagh, A. Toumanari, R. Latif, N. Idboufker

17h15 – 17h30
Synthetic study of wireless sensor networks
M. El Azhari, A. Toumanari, R. Latif

17h30 – 17h45
The influence of the human head on the performance of a PIFA antenna for different positions
S. Ibnyaich, S. Chabaa, M. M. Hassani, R. J. Elbakouchi, A. Ghammaz

17h45 – 18h00
Study By The Simulation Of Routing In Vanet Networks
D. Abada, A. Massaq
Maintenance function of optimization in context Non-preemptive
A. Aboussalim, Mohamed Mediouni

Analysis and diagnostic of the different defect of the bearing and gearing by vibration analysis
A. Benbouaza, B. El Kihel, F. Delaunois

Safety culture: lever of safety improvement
A. Essehmoudi, M. El Hammoumi, K. Hammoumi

Modelling of a New HV Power Supply with a Character Three-Phase for N=2 Magnetrons by Phase for Industrial Micro-wave Generators
N. El Ghazal, M. Chraygane, A. Belhaiba, B. Bahani, M. Ould Ahmedou, M. Ferfra

Modelling The Power Balance Of Microwaves Generator For N=2 Magnetrons
A Belhaiba, M Chraygane, M. Ould Ahmedou, M. Ferfra, N. El Ghazal, B. Bahani

Modeling and anlaysis of control Of a heat exchangers
M.A Arbaoui, H. Obali, F. Bagui, A. Zatni, M. Belahmidi, M. Bour, M.Chraygane

Photovoltaic system; sun tracker based on time's equation
B. Bouachrine, R. Alaoui, A. Ihlal, L. Bouhouch

Ultrasound source’s shape effect on the harmonic generation in multilayered structure
H. Jakjoud, A. Chitnalah, N. Aouzale

Characterization of musical notes and detection of onsets. Application to the transcription of a musical signal from an arab lute
A. Rebbani, L. Bahatti, O. Bouattane et M. Zazoui

Practices of Management of risks in moroccans SME: case of the sector of Buildings and public works in the region Souss Massa Draa
A. Tourabi

Realization of a global dashboard of a supply chain
O. Naciri, A. Alami, B. Herrou, M. El Hammoumi

Implementation and Optimization of SLAM Algorithms: a Survey
M. Azergui, R. Latif, A. Tajer, A. Elouardi, S. Bouaziz

Model of an effective Intrusion Detection System on the LAN
Y. Farhaoui, A. Asimi

Applying prediction operator in the orientation process for moroccan universities
A. Sair, I. Eddamer, B. Erraha, M. Elkyal, S. Loudcher