

# Préliminary CCCA 2012 Program

## Thursday 6 December Jeudi 6 Décembre

Thursday 6 December - Friday 7 December			
8.00 – 9.00	Late Registrations		
9.00 – 9.30	Conference Opening & Welcome Ceremony		
9.30 – 10.10	KeyNote A. Oustaloup	From diversity to dynamic performances	
10.10 – 10.30	Coffee break		
10.30 – 12.30	Oral Paper Presentations: Parallel sessions, 20 min presentations		
Session TM1 Robotics 1	Session TM2 Identification 1	Session TM3 AHP1	Session TM4 Communication 1

12.30 - 13.30	Lunch			
13.00 - 13.30	Late Registrations			
14.00 - 15.00	KeyNote	J.M. Dion	Fault tolerance evaluation for component based models	
15.00 - 15.15	Coffee break			
15.15 - 18.40	Oral Paper Presentations: Parallel sessions, 20 min presentations			
Session TA1 Robotics 2	Session TA2 Identification 2	Session TA3 AHP2	Workshop Session TA4 Self Orientation Models	

## Friday 7 december Vendredi 7 décembre 2012

Friday 7 December 2012		Saturday 8 December 2012	
9.00-10.00	P. Siarry	Some contributions to the adaptation of discrete metaheuristics for continuous optimization	
10.00-10.15		Coffee break	
10.15-12.30		Oral Paper Presentations: Parallel sessions, 20 min presentations	
Session FM1	Special Session FM2	Session FM3	Session FM4
Electric Systems 1	Workshop <b>MERIE 1</b>	Intelligent Products	Control 1

12.30 - 13.30	Lunch		
14.00 - 15.00	S Garbaya	Virtual Assembly: Challenges and opportunities.	
15.00 - 15.15	Coffee break		
15.15 - 18.40	Oral Paper Presentations: Parallel sessions, 20 min presentations		
Session FA1	Special Session FA2	Session FA3	Session 4
Electric Systems 2	Workshop MERIE 2	Control 2	
20.00-23.00	Gala Dinner		

## Saturday 8 december Samedi 8 décembre 2012

9.00-9.45	Industrial Presentations, videos and applications		
9.45-10.00	Coffee break		
10.00-12.30	Oral Paper Presentations: 4 Parallel sessions, 20 min presentations		
<b>Session S1 VTT</b> Active security systems	Session S2 Computing	Session S3 Communication 2	Session 4

12.30	Closing Ceremony The afternoon is dedicated to social events.		
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ID	TrackName	Session/W Title	Chair / Organizer	Primary Contact Author
<b>SessionTM1 Robotics 1</b>				
125 Control	Robotics	Design and Control Considerations for Safe Needle Steering in Brain Tissue		Riviere, Cameron
3 Control	Robotics	Electrical kart dynamics analysis using Bond Graph Single-Track Model		NASSER, Habib
36 Control	Robotics	Multi-fingered robot hand: Modeling, Dynamic Simulation and Passivity-Based Control		NASSER, Habib
58 Control	Robotics	To Achieve SLAM and Path Planning for Mobile Robot Using Laser Scanner		Huang, Guo-Shing
87 Control	Robotics	ORDERING COMPUTERS BY HAND GESTURES RECOGNITION BASED ON WAVELET NETWORKS		Bouchrika, Tahani
41 Control	Robotics	Application of an H <sub>∞</sub> control strategy to the parallel Delta		Meryam, Rachedi
<b>Session TA1 Robotics 2</b>				
103 Control	Robotics	Target Tracking Based on SURF and Image Based Visual Servoing		Djelal, Nacereddine
15 Control	Robotics	Different Linearization Control Techniques for a Quadrotor System		BELKHEIRI, Mohammed
5 Control	Robotics	Adaptive Output Feedback Control of Aircraft Flexible Modes		Bordeneuve-Guibé, Joel
32 Control	Robotics	ADAPTIVE DYNAMIC CONTROL OF A MOBILE ROBOT USING MULTIPLE MODELS APPROACH: A Dynamic		Onat, Altan
29 Control	Robotics	Adaptive Neural Fuzzy Network Modeling For Autonomous Underwater Vehicle		Hassanein, Osama
<b>Session TM2 Identification</b>			<b>J.C. Carmona N.K. M'Sirdi</b>	
128 Control	Identification	Robust Modeling of Piezoelectric Actuators for Vibration Drilling Control		Corbier, Christophe
129 Control	Identification	Robust Final Prediction Error Criterion for Control Oriented Models Validation using L2-L1 Norm		Corbier, Christophe
131 Control	Identification	Nonlinear system identification: a balanced accuracy/complexity neural network approach		Romero Ugalde, Hector
90 Control	Identification	A Fuzzy Logic Estimator for Resistance Variation of		Birame, M'hamed
16 Control	Identification	Development of a structuring residues method for diagnostic by PCA-based genetic algorithms		Tawfik, Najeh
<b>Session TA2 Identification</b>			<b>J.C. Carmona N.K. M'Sirdi</b>	
132 Control	Identification	Training time optimization for balanced accuracy/complexity neural network models		Romero Ugalde, Hector
49 Control	Identification	Nonlinear identification using wavelet neural networks applied to biomechanics of swimming		Coelho, Leandro
50 Control	Identification	Firefly algorithm optimized wavenets applied to multivariable identification of a thermal process		Coelho, Leandro
64 Control	Identification	Fuzzy and neural identification of an experimental pH process		Baghbany, Samane
<b>Sessin FM3 :Intelligent Products Intelligent Products in Manufacturing and Services Systems F. Ounnar Kary Främling</b>				
70 Control		Internal logistics as a service in a holonic and isoarchic control model		Yves Dubromelle
71 Control		Intelligent Control of People Flow in Restricted Area		Louati, Thamer
88 Control		A fuzzy analytic hierarchy process for group decision making: application for embedding information on		Kubler, Sylvain
100 Control		Travel behaviour applied in freight transportation using intelligent products		Giannikas, Vaggelis
72 Control		Detection of state' variations for the observation of characteristics: Application to workshop control		Doumani, Pujo
127 Control		Intelligent wireless communication devices for efficient data transfer and machine control		Ghrairi, Zied
<b>Session TM3 AHP 1 ANP / AHP in Manufacturing and Services Systems</b>			<b>Alessio Ishizaka F. Ounnar</b>	
91 Control		Green Policy in a Manufacturing System		Petrillo, Antonella
101 Control		Energetic-environmental requalification for tourist accommodation facilities by Analytic Hierarchy Proce		Marcarelli, Gabriella
107 Control		AHP methodology applied to industrial location: a Brazilian perspective		Serra Costa, José Fabiano
108 Control		Fuzzy AHP Based on Eigenvalues with Regard to Application in Construction Industry		Prascevic, Zivojin
<b>Session TA4 AHP 2 ANP / AHP in Manufacturing and Services Systems</b>				
123 Control		A complex Analytic Network Process (ANP) network for analyzing Corridor24 alternative development s		Abastante, Francesca
124 Control		A Diagnosis Procedure for Designing Built-to-order Technology System		Sato, Yuji
133 Control		A multi-criteria support system for dynamic aerial vehicle routing problems		Ishizaka, Alessio
97 Control		Raissy Changing Project : a case study of implementing ERP		NADIA, HAMANI
<b>Special session on MERIE 'Med Efficient Renewable Intelligent Energies' - CCCA2012</b>				
<b>Workshop Session FAM2: workshop MERIE 1</b>			<b>RMEI Network: MERIE Group</b>	
122 Control	MERIE	Influence of local porosity, local permeability, and contact resistance between the gas diffusion layer an Akiki, Tilda		
130 Control	MERIE	A small-scale agricultural biomass CHP system- The SMART project		Zabaniotou, Anastasia
2 Control	MERIE	Modeling of MicroSource for Microgrid during Island Operation		Salazar Salas, Johanna
136 Control	MERIE	Optimal Design of Hybrid Renewable Energy System for Electrification of a Remote Village in Egypt		Helal, Ahmed
98 Control	MERIE	Missing data estimation for energy resources management in tertiary buildings		Griew, Stéphane
94 Control	MERIE	Micro-climate optimal control for an Experimental Greenhouse Automation		Rajaoarisoa, Lala H.
<b>Workshop Session FA2: workshop MERIE 2</b>			<b>RMEI Network: MERIE Group</b>	
134 Control	MERIE	Real time simulation environment for an urban wind turbine characterization		adil, Medary
140 Control	MERIE	Energy Generation by Parabolic Trough		Yunes, Mogheir
141 Control	MERIE	Palestine Villages can overcome Energy Poverty Through Multi -User Solar Hybrid Grid Technologies		Imada, Ibrik
137 Control	MERIE	Optimal Location and Sizing of Distributed Generation Based on Gentic Algorithm		motaz, Amer
120 Control	MERIE	Identification and self-tuning regulation of a solar system		Elloumi, Mourad
126 Control	MERIE	Methods engineering for designing a didactic low cost small wind turbine generator		Rabhi, Abdelhamid
<b>Session FM4 Control 1 Computational methods for Control Systems</b>				
			<b>Nicholas P. Karampitakis</b>	
22 Control		On a Special Case of the two-variable Newton Interpolation Polynomial		Varsamis, Dimitris
24 Control		A Newton block Arnoldi method for large algebraic Riccati equations		Jbilou, Khalide
59 Control		Hybrid Methods for Robust and Minimum Norm Partial Quadratic Eigenvalue Assignment with Time Dela		Bai, Zheng-Jian
51 Control		Stability and Stabilization of Switched Linear Systems based on Vector Norms Approach		Kermani, Marwen
112 Control		Structural state observability & controllability of linear and linearized bond graphs		Kamel, SIA
68 Control		Reachability and Controllability of Discrete Time Descriptor Systems		Karampetakis, nicholas
<b>Session FA3 Control 2</b>				
96 Control		On Frequency Synchronization of Kuramoto Model with Non Symmetric Interconnection Structure		EL ATI, Ali
104 Control		Linear reformulation of the Kuramoto model: asymptotic mapping and stability properties		Panteley, Elena
45 Control		Multivariable Generalized Predictive Control based on CARIMA model with non identity disturbance mat		LOUHICHI, Badreddine
74 Control		The Preliminary Result of Modelling Uncertainty in Environmental Issues on Late Delivery for Constructi		BAHARUM, ZIRAWANI
40 Control		A case study of a hybrid controller design of a class of hybrid system. Application to a greenhouse micr		Rajaoarisoa, Lala
106 Control		Modelling a Unified Power Flow Controller for Power System Steady state and Transient Studies		Djilani Kobibi, Youcef Islam
<b>Session FM1 Electric Systems 1</b>			<b>M. Boussac</b>	
105 Control		Performance Evaluation of Asynchronous Back-To-Back HVDC Link With Voltage Source Converters un		Mohammed Abd El Djali, DJEHAF
118 Control		Particle Swarm Optimization based Fault Diagnosis for Non-Salient PMSM with Multi- Phase Inter- Turn		BOUSSAK, Mohamed
119 Control		Nonlinear Observer for Sensorless Speed Control of IPMSM Drive with Stator Resistance Adaptation		BOUSSAK, Mohamed
34 Control		Sensorless Indirect Adaptive Control With Parameters and load-torque Estimation of Induction Motor		DIB, Abdou
38 Control		Three-Phase Shunt Active Power Filter for Power Improvement Quality using Sliding Mode Controller		TOUFIK, BENCHOUIA
27 Control		Improvement of HVDC Control System to Mitigate Commutation Failure Under AC System Faults		Mohammed Abd El Djali, DJEHAF

<b>Session FA1 Electric Systems 2</b>		
44 Control	Design of a Hybrid Automata Model and Robust Control for Tumors, using the Three Compartments App	Ziou, Nadjat
117 Control	Static approach for switching between different operating modes	EL GHADOUALI, Asmae
14 Control	FPGA implementation of configurable three-Phase SPWM module	BELKHEIRI, Mohammed
18 Control	Selective Harmonic Elimination Control for AC-DC-AC Regulated Converter	Moussa, Mona
54 Control	Feature Selection for Complex Systems Monitoring: an Application using Data Fusion	Le Moal, Gwénolé
69 Control	A new design method of an Internal Model Command Controller for a linear uncertain first order system	TOUZRI, Mustapha
<b>Session TM4 Computing : Modelling</b>		
79 Computing	Qualifying Teachers of Arabic by Using computers in the Faculties of Education in Egypt	Abdelrahman Mahmoud, Hamdy A
111 Computing	An Intelligent Approach to CAM Software Selection	Ayağ, Zeki
109 Computing	Gyroscope Offset Estimation Using Panoramic Vision-Based Attitude Estimation and Extended Kalman F	Habibi Tehrani, Mohsen
55 Computing	A multiobjective-based computation to optimize the electrical performance for circular solar cell	Djeffal, Faycal
75 Computing	Exploiting Finite-state automation for HCI evaluation	Charfi, Selem
89 Computing	A Novel PSO For MKP Resolution	KTARI, Raida
<b>Session TM2 Communications 1 : Image processing</b>		
95 Communications	OPTIMIZATION OF THE SMOOTHING PARAMETER OF VARIABLE KERNEL ESTIMATOR	LAKHDAR, YISSAM
60 Communications	Selecting Most Efficient Arabic OCR Features Extraction Methods Using Key Performance Indicators	Kabbani, Reem
11 Communications	Performance Analysis of DiffServ based Quality of Service in a Multimedia Wired Network using OPNET	Aamir, Muhammad
35 Communications	Printed Arabic Character Recognition using Local Energy and Structural Features	Zaafouri, Ahmed
30 Communications	PERFORMANCE ENHANCEMENT OF PRAGMATIC GENERAL MULTICAST (PGM) PROTOCOL USING A LOCA	Shome, Tunisha
<b>Session S3 Communications 2 : Wireless communication</b>		
4 Communications	SIP Security in Wireless Ad hoc networks	Bachir Naceureddine, DOUARA
99 Communications	A Comparison of Several Gradient Based Optimization Algorithms for PAPR Reduction in OFDM Systems	Koussa, Badreddin
19 Communications	Implementation The Ambient Electromagnetic Harvesting At The Frequency Of Tv Broadcasting To Prod	Primasetiya, Oxy
6 Communications	Ultra -Wideband Cross Monopole Antenna for Cognitive Radio Application	Jadhav, Priyanka
52 Communications	Research on adaptive cooperation strategy of wireless communication based on network coding	Xu, Shun
<b>Spécial Session S1 VTT Active security systems R. Lenain N.K. M'Sirdi</b>		
113 Control	VTT Wheel-Soil Interaction Model for All-Terrain Vehicles	Djohor, Faris
114 Control	VTT Robust multi-model observer dedicated to the rollover prevention. Application to ATVs in off-road conte	RICHER, Mathieu
135 Control	VTT Sliding Mode Observer for Estimation of All-Terrain Vehicle Dynamic Parameters	belgacem, jaballah
138 Control	VTT Estimation of Longitudinal Tire Forces For All-terrain Vehicle	belgacem, jaballah
143 Control	VTT A decoupled non-linear observer to estimate the 3D pose of a vehicle	MEIZEL, Dominique
142 Control	VTT High rate-localization for high-speed all-terrain robots	Cyril , Roussillon
Control	VTT	Fez Benamar
<b>Workshop Session Self Orientation Models by L.Chaudron, J ERCEAU, P JOURNEAU, G LEHOUCQ, G SAVIDAND</b>		
6 papers		