CODIT'14 : FINAL PROGRAM - Monday, November 3rd, 2014

SESSION	Title	Chairs	Room	Paper's number	Papers	MORNING 8:30 - 10:10
A1	Graph Theory and Applications	Sébastien Martin	Auditorium BOLLE	181	Denis Cornaz, Fabio Furini, Mathieu Lacroix, Enrico Malaguti, A. Ridha Mahjoub and Sébastien Martin. Mathematical Formulations for the Balanced Vertex k-Separator Problem	
				108	Asahi Takaoka, Satoshi Tayu and Shuichi Ueno. Weighted Dominating Sets and Induced Matchings in Orthogonal Ray Graphs	
				243	Assia Gueham, Anass Nagih and Hacene Ait Haddadene. Two bounds of chromatic number in graphs coloring problem	
B1	Robotics and Control	Pierre Borne	2A26	151	Karen Gonzalez, Sihem Tebbani, Filipa Lopes, Didier Dumur, Dominique Pareau, Sébastien Givry and Françoise Entzmann. Control Strategy for Continuous Lactic Acid Production from Wheat Flour	
				171	Eric Guiffo Kaigom and Jürgen Rossmann. Intelligent Robotics in 3D Simulation - An eRobotics Approach	
				12	Marco Antonio Arteaga Perez and Alejandro Gutierrez Giles. A Simple Application of GPI Observers to the Force Control of Robots	
C1	Adaptive E-learning systems with social interactions	Francis Rousseaux & Guillaune Blot	Salle visioconf.	43	Sebastian Vogt and Markus Deimann. Social interaction inside the cMOOC #ExIF13 Adaptive e-learning in distance education on a new track!?	
				52	Peter Robinson. Modelling emotions in an on-line educational game	
				68	Guillaume Blot, Francis Rousseaux and Pierre Saurel. Pattern Discovery in E-learning Courses: a Time-based Approach	
				89	Sawadogo Daouda, Ronan Champagnat and Pascal Estraillier. Adaptive Digital Resource Modelling for Interactive System	
D1	Control and supervision of manufacturing systems	Achraf Telmoudi & Lyes Benyoucef & Lotfi Nabli	1A10	189	Matthias Becker, Helena Szczerbicka and Sinan Balci. Predictive Simulation Based Decision Support System for Resource Failure Management in Multi-Site Production Environments	
				204	Thouraya Merazi Meksen, Malika Boudraa and Bachir Boudraa. Artificial Intelligence for Help in Decision Making During Non Destructive Testing of Materials	
				91	Paria Soleimani and Reza Hadizadeh. Monitoring Simple Linear Profiles in the Presence of GARCH and non-Normality Effects	
				71	Rabah Mellah, Redouane Toumi, Laurent Catoire and Michel Kinnaert. Compensatory Neuro-fuzzy Control of Bilateral Teleoperation System	
PLENARY SESSION 1			Auditorium BOLLE		**Prof. Jose M FRAMINAN. Manufacturing Scheduling: Minding the Gap**	**10:30 - 11:15**
						AFTERNOON 13:25 - 15:05
A2	Operational Research and Applications	Atidel B. Hadj-Alouane	Auditorium BOLLE	208	Biao Yin, Mahjoub Dridi and Abdellah El Moudni. Traffic Control Model and Algorithm Based on Decomposition of MDP	
				77	Hana Teyeb, Ali Balma, Nejib Ben Hadj-Alouane, Samir Tata and Atidel B. Hadj-Alouane. Traffic-aware Virtual Machine Placement in Geographically Distributed Clouds	
				103	Yipei Zhang and Ada Che. A mixed integer linear programming approach for a new form of facility layout problem	
				85	Imen Hamdi and Taicir Loukil. Lagrangian relaxation for the permutation flowshop scheduling problem with minimal and maximal time lags	
B2	Robust Control and its applications	Ahmed Chaibet & Moussa Boukhnifer	2A26	49	Florian Seve, Spilios Theodoulis, Philippe Wernert, Michel Zasadzinski and Mohamed Boutayeb. Sensor Position Influence on Modeling and Control of 155mm Canard-Guided Spin-Stabilized…	
				98	Ahmed Chaibet and Moussa Boukhnifer. Experimental Second Order Sliding Mode Fault Tolerant Control for Moment Gyroscope System with Sensor Fault	
				191	Mohammed Arezki Si Mohammed, Abdelatif Bellar, Youcef Benttoutou, Abdelmadjid Boudjemai, Rima Roubache and Nsreddine Taleb. Performance Evaluation of Low Earth Orbit Microsatellite…	
				93	Adel Kacem and Abdelaziz Dammak. A genetic algorithm to minimise the makespan on two dedicated processors	
C2	System Control	Matthias Becker	Salle visioconf.	122	Maroua El Kastouri, Afef Abdelkrim and Mohamed Benrejeb. On the use of ARMAX approach for handwriting system modelization	
				160	Mohamed Amine Ben Brahim, Afef Abdelkrim and Mohamed Benrejeb. On the design of process fuzzy PID controller	
				240	Paolo Mercorelli, Johannes Goes and Robert Halbe. A Lyapunov Based PI Controller with an Anti-windup Scheme for a Purification Process of Potable Water	
				168	Eric Blanco, Philippe Neveux and Abdelhani Boukrouche. Robust $\ep$-contaminated filter for discrete-time systems	
D2	Healthcare systems planning and optimization	Malek Masmoudi, Racem Mellouli & Isam Nouari	1A10	29	Vahid Farrokhi, Francine Herrmann, Imed Kacem and László Pokorádi. Ranking the solution techniques for reactive scheduling problem in operating room	
				244	Malek Masmoudi and Racem Mallouli. MILP for Synchronized-mTSPTW: application to Home HealthCare Scheduling	
				149	Mohamed Amine Abdeljaoued, Zied Bahroun and Nour Houda Saadani. A dichotomic algorithm for an operating room scheduling problem	
				224	Hadhemi Saadouli, Malek Masmoudi, Badreddine Jerbi and Abdelaziz Dammak. An optimization and Simulation approach for Operating Room scheduling under stochastic durations	
E2	Communications, Image and signal processing	Camel Tanougast, Camille Diou & Ahmed Chaddad	-1B22	125	Adam Makhfoudi. Visualization of Faces from Surveillance Videos via Face Hallucination	
				145	Tarek Hadjem, Mohamed Azzaz, Camel Tanougast and Said Sadoudi. A New Image Crypto-compression System SPIHT-PSCS	
				148	Mohamed Tabaa and Camille Diou. A Low-Cost Many-to-One WSN Architecture Based on UWB-IR and DWPT	
				190	Lahcen Hadj Abderrahmane and Mansour Bacha. High Gain Channel Coding for Satellite Communication System	

CODIT'14 : FINAL PROGRAM - Tuesday, November 4th, 2014

SESSION	Title	Chairs	Room	Paper's number	Paper	MORNING 8:30 - 10:10
A3	Fault Detection	Nicholas Karampetakis	Auditorium BOLLE	20	Thomas Rakotomamonjy and Morgane Le Boulanger. A negative selection algorithm applied to helicopter actuator fault detection	
				65	Ines Jaffel, Okba Taouali, Hassani Messaoud and Mohamed-Faouzi Harakat. A Novel Fault Detection Index Using Principal Component Analysis And Mahalanobis Distance	
				66	Ines Jaffel, Okba Taouali, Hassani Messaoud and Ilyes Elaissi. On the application of recursive principal component analysis method to fault detection and isolation	
				84	Jingwen Yang, Frédéric Hamelin and Dominique Sauter. Active fault diagnosis based on a framework of optimization for closed loop system	
B3	Healthcare systems planning and optimization	Malek Masmoudi, Racem Mellouli & Isam Nouari	2A26	109	Nour El Houda Saadani, Zied Bahroun and Asma Bouras. A linear mathematical model for patients' activities scheduling on hospital resources	
				193	Wided Chandoul, Hervé Camus, Nesrine Zoghlami, Slim Hammadi and Alain Matinot. A Robust Assessment of Effective HealthCare Demand in the Pediatric Emergency Department	
				196	Abdelahad Chraibi, Kharraja Saïd, Ibrahim Osman and Omar El Beqqali. Solving Operating Theater Facility Layout Problem using a Multi-Agent System	
				233	Malek Masmoudi, Zeineb Ben Houria and Faouzi Masmoudi. Multicriteria decision making for Medical equipment maintenance: Insourcing, outsourcing and service contract	
C3	Combinatorial Optimization and Logistics	Mhand Hifi & Lei Wu	Salle visioconf.	127	Mhand Hifi, Laurent Moreau, Stephane Negre and Lei Wu. A Hybrid Large Neighborhood Search for the Pickup and Delivery Problem with Time Windows	
				237	Ahmed Haroun Sabry, Abdelkabir Bacha and Jamal Benhra. A contribution to solving the travelling salesman problem using ant colony optimization and web mapping platforms : Application to…	
				203	Mariem Baazaoui, Saïd Hanafi and Hichem Kamoun. A Mathematical formulation and a lower bound for the three-dimensional multiple-bin-size bin packing problem (MBSBPP): A Tunisian…	
				187	Mhand Hifi and Lei Wu. A Hybrid Metaheuristic for the Vehicle Routing Problem with Time Windows	
D3	Biomedical Engineering & Clinical Applications (BECA)	Camel Tanougast & Ahmed Chaddad	-1B22	35	Ahmad Chaddad and Camel Tanougast. Low-Noise Transimpedance Amplifier Dedicated to Biomedical Devices: Near Infrared Spectroscopy System	
				36	Ahmad Chaddad, Pascal O. Zinn and Rivka R. Colen. Quantitative Texture Analysis for Glioblastoma Phenotypes Discrimination	
				51	Pattana Wangaryattawanich, Jixin Wang, Ginu A. Thomas, Ahmad Chaddad, Pascal O. Zinn and Rivka R. Colen. Survival Analysis of Pre-Operative GBM Patients by Using Quantitative Image Features	
				100	Larbi Boubchir, Somaya Al-Maadeed and Ahmed Bouridane. Effectiveness of combined time-frequency image- and signal-based features for improving the detection and classification of epileptic…	
E3	Modelling, Simulation and Performance Evaluation	Kondo Adjallah & Alexandre Sava	-1B23	24	Mariagrazia Dotoli, Nicola Epicoco, Marco Falagario, Graziana Cavone and Biagio Turchiano. Simulation and Performance Evaluation of an Intermodal Terminal using Petri Nets	
				47	Lobna Belgacem, Dhouibi Hedi, Mhamdi Lotfi, Zineb Simeu-Abazi and Hassani Messaoud. DIGNOSIS OF DYNAMIC SYSTEMS BY TIMED AUTOMATA AND INTERVAL CONSTRAINED PETRI NETS	
				40	Qiwei Guo, Yueming Hu and Zhifu Li. Numerical Research of High Viscosity Phosphor Flow Field Distribution of High-power LED Phosphor Coating Process	
				55	Maaref Bochra, Dhouibi Hedi, Hassani Messaoud and Zineb Simeu-Abazi. Detection and localization of Faults using Bond Graph and Timed Automata	
PLENARY SESSION 2			Auditorium BOLLE		Prof. MengChu ZHOU. Internet of Things: Architectural Evolution and Applications	10:30 - 11:15
PLENARY SESSION 3					Prof. Antti OULASVIRTA. Could computers design great user interfaces?	11:15 - 12:00
						AFTERNOON 13:30 - 15:10 / 16:15 - 17:55
A4	Combinatorial Optimization and Logistic 1	Mhand Hifi & Lei Wu	Auditorium BOLLE	95	Lei Wu, Mhand Hifi and Moudher Khalid Abdal-Hammed. A large neighborhood search for the vehicle routing problem with two-dimensional loading constraints	
				126	Elyn Lizeth Solano Charris, Christian Prins and Andréa Cynthia Santos. A Robust Optimization Approach for the Vehicle Routing Problem with Uncertain Travel Cost	
				235	Hadhami Kaabi, Khaled Jabeur and Talel Ladhari. Genetic algorithm to infer criteria weights for multicriteria Inventory Classification	
				136	Ferhan Al-Maliky, Mhand Hifi and Hedi Mhalla. An Exact Solution Search for the Max-Min Multiple Knapsack Problem	
B4	Efficiency and Productivity	Mehdi Toloo	2A26	99	Esmaiel Keshavarz and Mehdi Toloo. Solving the Bi-Objective Integer Programming: A DEA Methodology	
				163	Nouha Lahiani, Yasmina Hani, Abderrahman El Mhamedi and Abdelfateh Triki. Simulation Based Optimization Approach to solve a Maintenance Process Problem	
				179	Jana Hanclova. An evaluation of a production performance across the selected EU regions	
				166	Hela Masri, Ons Abdelkhalek and Saoussen Krichen. A Comparison of Multiple Objective Evolutionary Algorithms for Solving the Multi-Objective Node Placement Problem	
C4	Fault Detection and Control	Pierre Borne	Salle visioconf.	111	Minh Tri Nguyen, Cristina Stoica Maniu, Sorin Olaru and Alexandra Grancharova. Fault Tolerant Predictive Control for Multi-Agent Dynamical Systems: Formation Reconfiguration using Set-Theoretic…	
				115	M. Ziyan Sheriff, Fouzi Harrou and Mohamed Nounou. Unvariate Process Monitoing using Multiscale Shewhart Charts	
				242	Rabia Nazir, Keliang Zhou, Neville R. Watson and Alan Wood. Frequency Adaptive Repetitive Control of Grid- connected Inverters	
D4	Identification and Control	Nicholas Karampetakis	-1B22	64	Chafik Andaloussi, Hicham Hihi and Zakaria Chalh. Inverse of Multivariable Linear Time Varying Bond-Graph models	
				76	Lazaros Moysis and Nicholas Karampetakis. On the Modeling of Discrete Time Auto-Regressive Representations	
				102	Mehran Zareh, Dimos V. Dimarogonas, Mauro Franceschelli, Karl Henrik Johansson and Carla Seatzu. Consensus in multi-agent systems with non-periodic sampled-data exchange and uncertain…	
				216	Ramla Saddem and Alexandre Philippot. Causal Temporal Signature from Diagnoser model for online Diagnosis of Discrete Event Systems	
E4	Tools and Design of Embedded on chip communications and systems	Camel Tanougest & Elbey Bourennane	-1B23	19	Benhaoues Atef, Bourennane El Bay, Camel Tanougast, Toumi Salah, Mayache Hichem and Kamel Messaoudi. Implementation of Universal Digital Architecture using 3D-NoC for Mobile Terminal	
				39	Sabri Jmal, Hichem Taghouti and Abdelkader Mami. Modeling and simulation of a patch antenna from it Bond Graph model	
				172	Hayat Daoud, Camel Tanougast, Mostefa Belarbi and Mikael Heil. Formal Specification and Verification of wireless networked self-organized Systems on Chip	
				226	Mikael Heil and Camel Tanougast. Fault-tolerant self-organized mechanism for networked reconfigurable MPSoC	
PLENARY SESSION 4			Auditorium BOLLE		Prof. Chengbin CHU. Replenishment planning: academic research and industrial concerns	15:30 - 16:15
A5	Heuristics and Metaheuristics for Scheduling	Rachid Benmansour	Auditorium BOLLE	194	Adnen El Amraoui and Khaled Mesghouni. An Evolutionary Approach for Multi-Objective Optimization in Cyclic Hoist Scheduling Problem	
				62	Sara Hatami, Ruben Ruiz and Carlos Andres Romano. Simple constructive heuristics for the Distributed Assembly Permutation Flowshop Scheduling Problem with Sequence Dependent Setup Times	
				238	Mohamed Frihat, Chérif Sadfi and Atidel B. Hadj-Alouane. Optimization of Integrated Employee Timetabling and Hybrid Job Shop Scheduling under Time Lag Constraints	
				220	Nacira Chikhi, Rachid Benmansour, Abdelghani Bekrar, Said Hanafi and Moncef Abbas. A case study of a two-stage flow shop with dedicated machines and a single robot	
B5	POC : Polyhedra and Combinatorial Optimization	Ridha Mahjoub	2A26	123	Selim Rexhep, Samuel Fiorini and Jean-Paul Doignon. Facets of order polytopes	
				142	Bernard Fortz and Dimitri Papadimitriou. Branch-and-cut strategies for a multi-period network design and routing problem	
				184	Pierre Laroche, Sébastien Martin, Franc Marchetti and Zsuzsanna Roka. Bipartite Complete Matching Vertex Interdiction Problem: Application to Robust Nurse Assignment	
				157	Hervé Kerivin and Jinhua Zhao. Polyhedral Study for the Maximum Bounded r-Tree Problem	
C5	Image, Image Processing	Dominique Barchiesi & Ahmed Bouridane	Salle visioconf.	107	Faraz Khan, Ahmed Bouridane, Fouad Khelifi, Rasheed Almotaeryi and Sumaya Almaadeed. Efficient Segmentation of Sub-Words within Handwritten Arabic Words	
				124	Rajesh Kumar Muthu, Ahmed Bouridane and Fouad Khelifi. Minutiae Based Fingerprint Image Hashing	
				195	Dominique Barchiesi. Handling uncertainties of models inputs in inverse problem: the U-discrete PSO approach	
				223	Hawraa Haj-Hassan, Ahmad Chaddad, Camel Tanougast and Youssef Harkouss. Segmentation of Abnormal Cells by Using Level Set Model	
D5	Emotion Modelling and Recognition for Human Machine System	Choubeila Maaoui & Alain Pruski	-1B22	41	Kazuhiko Takahashi, Syota Maekawa and Masafumi Hashimoto. Remarks on Fuzzy Reasoning-Based Brain Activity Recognition with a Compact Near Infrared Spectroscopy Device and Its Application to Robot Control…	
				114	Khadidja Gouizi, Fethi Bereksi and Choubeila Maaoui. Negative emotion detection using EMG signal	
				153	Frédéric Bousefsaf, Choubeila Maaoui and Alain Pruski. Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states	
				183	Mohamed Diaa Ahmadou, Losson Etienne, Maryam Siadat and Martine Lumbreras. Optimization of an Electronic Nose for Rapid Quantitative Recognition	
E5	Identification and Control	Pierre Borne	-1B23	176	Manuel Schimmack and Paolo Mercorelli. Contemporary Sinusoidal Disturbance Detection and Nano Parameters Identification Using Data Scaling Based on Recursive Least Squares Algorithms	
				180	Ghassen Marouani, Abdelkader Mbarek, Tarek Garna and Hassani Messaoud. Identification and observer synthesis of nonlinear systems using Laguerre multiple models	
				197	Amira Gharbi, Mohamed Benrejeb and Pierre Borne. Tracking error estimation of uncertain Lur'e Postnikov systems	
				209	Emre Dincel, Yaprak Yalçın and Salman Kurtulan. A New Approach on Angular Position Control of Fan and Plate System	

CODIT'14 : FINAL PROGRAM - Wednesday, November 5th, 2014

SESSION	Title	Chairs	Room	Paper's number	Paper	MORNING 8:30 - 10:10
A6	GOTHA : Mathematical and Approximation Models for Scheduling Problems	Imed Kacem & David Rivreau	Auditorium BOLLE	110	Alain Quilliot, Samuel Deleplanque and Benoît Bernay. Branch and Price for a Reliability Oriented DARP Model	
				129	Gilles Simonin, Benoit Darties, Jean-Claude Konig and Rodolphe Giroudeau. Approximation algorithm for constrained coupled-tasks scheduling problem	
				131	Eugene Levner and Amir Elalouf. An Improved Approximation Algorithm for the Ancient Scheduling Problem with Deadlines	
				178	Aziz Moukrim, Alain Quilliot and Hélène Toussaint. Branch and Price with Constraint propagation for Resource Constrained Project Scheduling Problem	
B6	Prediction, Forecasting and Optimization	Ester Mohr	2A26	81	Ayse Akbalik and Christophe Rapine. Single-item lot sizing problem with carbon emission under the cap-and-trade policy	
				83	Ibtissem Ernez Gahbiche, Khaled Hadj Youssef, Abdelwaheb Dogui and Zied Jemai. Decentralized versus Centralized Performances in the Case of Stackelberg Game between a Customer and two Suppliers	
				86	Claude Gangolf, Robert Dochow, Günter Schmidt and Thomas Tamisier. SVDD: A proposal for automated credit rating prediction	
				210	Esther Mohr. Optimal Search with Bounded Daily Returns	
C6	Control	Paolo Mercorelli	Salle visioconf.	21	Thomas Meinlschmidt, Harald Aschemann and Saif Siddique Butt. Cascaded Backstepping Control of a Duocopter Including Disturbance Compensation by Unscented Kalman Filtering	
				22	Saif Siddique Butt, Robert Prabel and Harald Aschemann. Multi-Variable Flatness-Based Control of a Helicopter with Two Degrees of Freedom	
				27	Zhifu Li, Yueming Hu and Qiwei Guo. A sufficient condition on the robust monotonic convergence of uncertain 2-D Roesser systems	
				46	Asma Karoui, Kaouther Ben Taarit and Moufida Ksouri. Disturbance rejection based on a state feedback controller with "delay scheduling"	
D6	Identification and Control	Alain Pruski	1A10	218	Sabri Yilmaz and Metin Gokasan. Optimal Trajectory Planning by Big Bang-Big Crunch Algorithm	
				230	Baris Samim Nesimioglu and Mehmet Turan Soylemez. Calculation of All Gains Providing Time-Delay Independent Stability Via Root Locus	
				236	Javier Moreno-Valenzuela, Carlos Aguilar-Avelar and Sergio A Puga. On Trajectory Tracking Control of the Inertia Wheel Pendulum	
E6	Bio-inspired Systems for Chemical Component control	Maryam Siadat	-1B23	67	Maryam Siadat, Mahdi Ghasemi-Varnamkhasti and Seyed Saeid Mohtasebi. Application of electronic nose to beer recognition using supervised artificial neural networks	
				106	Lorenzo Leija, Arturo Vera, Fátima Estela Lopez, Omar Usiel Garcia, Josefina Gutierrez, Carlos Negreira and F.J. Ramos-Becerril. Development of an electronic equipment for the pre medical diagnose in the progress of…	
				147	Jean-Baptiste Sanchez, Geoffrey Gregis, Igor Bezverkhyy, Vanessa Fierro, Guy Weber, Alain Celzard, Franck Berger, Jean-Pierre Bellat and Sebastien Schaefer. Diagnosing lung cancer in exhaled breath by using…	
				201	Alireza Sanaeifar, Seyed Saeid Mohtasebi, Mahdi Ghasemi-Varnamkhasti and Maryam Siadat. Application of an Electronic Nose System Coupled with Artificial Neural Network for Classification of Banana Samples…	
PLENARY SESSION 5			Auditorium BOLLE		Prof. Wilfrid PERRUQUETTI. Control and estimation of oscillations in robotics	10:30 - 11:15
PLENARY SESSION 6					Prof. Vangelis Th. PASCHOS. When sparsification meets subexponential approximation	11:15 - 12:00
						AFTERNOON 13:30 - 15:10 / 16:15 - 18:20
A7	GOTHA : Applied Models for Scheduling Problems	Imed Kacem & David Rivreau	Auditorium BOLLE	200	Hammoudan Zakaria, Olivier Grunder, Toufik Boudouh and Abdellah El Moudni. A branch and bound algorithm for one supplier and multiple heterogeneous customers to solve a coordinated…	
				241	Hfaiedh Walid, Chérif Sadfi, Kacem Imed and B. Hadj-Alouane Atidel. An effective iterative lower bound algorithm for the single machine scheduling problem with unavailability constraint and…	
				219	Rachid Benmansour, Oliver Braun and Abdelhakim Artiba. On the single-processor scheduling problem with time restrictions	
				213	Junheng Cheng, Feng Chu, Weili Xia, Jianxun Ding and Xiang Ling. A Bi-objective optimization model for single-machine batch scheduling considering energy cost	
B7	Control and Supervision	Achraf Telmoudi & Lyes Benyoucef & Lotfi Nabli	2A26	38	Tawfik Najeh, Abdelkader Mbarek and Lotfi Nabli. Fault Detection in Nonlinear Systems using Genetic Algorithms and Principal Curves	
				175	Matoug Lamia and Khadir M. Tarek. Multi-model Predictive Control Strategies for an Activated Sludge Model	
				186	M.H. Korayem, M. Doosthoseini, B. kadkhodaei Elyaderani, A.M. Shafei. Trajectory closed loop control experiment for a two-link elastic manipulator in presence of load	
				154	Benedikt Haus, Paolo Mercorelli and Nils Werner. A Piezo Servo Hydraulic Actuator for Use in Camless Combustion Engines and its Control with MPC	
C7	POC : Polyhedra and Combinatorial Optimization	Ridha Mahjoub	1A10	222	Denis Cornaz, Youcef Magnouche and Ali Ridha Mahjoub. On minimal two-edge connected graphs	
				231	Lamia Aoudia, Viet Hung Nguyen, Ali Ridha Mahjoub and Méziane Aider. On star forest polytope	
				31	Patrick Healy. Sharp Bounds on the Spectral Radius of Halin Graphs and Other k-Outerplanar Graphs	
				170	Javad B. Ebrahimi and Mahdi Jafari Siavoshani. Linear Index Coding via Graph Homomorphism	
D7	Renewable Energy and Power Systems	Camel Tanougast & Harry Ramenah	0A65	164	Ioana Stanescu, Antoniu Stefan, Dumitru Stefan, Florin Dragomir, Nicolae Olariu and Otilia Dragomir. Intelligent Decision Support for Renewable Energy Providers	
				225	Lucas Cicero, Camel Tanougast, Harry Ramenah, Loic Sieler and Frederic Lecerf. A Li-Ion cell testbench for fast Characterization and modeling	
				1	Sahar Eldeep and Ehab Ali. Synergy of Particle Swarm Optimization and Bacterial Foraging for Power System Stability Enhancement	
				182	Alexandre Sava, Kondo Hloindo Adjallah and Honoré Lagaza. Hybrid Petri Nets for Modeling and Control of Multi-source Energy Conversion Systems	
PLENARY SESSION 7					Prof. A. Ridha MAHJOUB. Polyhedral Analysis Network Design Problems	15:30 - 16:15
A8	Recent advances in Decision tools for Optimisation	Abdelaziz Dammak, Taici Loukil & Pierre Laroche	Auditorium BOLLE	165	Hela Frikha and Sawsan Charfi. The use of binary outranking relations to infer criteria weights for ELECTRE I method	
				34	Antonio Jiménez-Martín, Alfonso Mateos and Pilar Sabio. Dominance Measuring Methods within MAVT/MAUT with Imprecise Information concerning Decision-Makers' Preferences	
				121	Idris Igoulalene and Lyes Benyoucef. A Hybrid Approach Combining Fuzzy Consensus-Based Goal Programming and TOPSIS	
				139	Hoang-Nam Ho, Mourad Rabah, Samuel Nowakowski and Pascal Estraillier. Trace-Based Decision Making in Interactive Application: Case of Tamagotchi systems	
B8	Tools and Design of Embedded on chip communications and systems	Camel Tanougest & Elbey Bourennane	2A26	227	Camel Tanougast and Cedric Killian. Optimization of a Reliable Network on Chip dedicated to partial reconguration	
				215	Sirin Akkaya, Onur Akbati and Haluk Gorgun. Multiple Closed Loop System Control with Digital PID Controller Using FPGA	
				228	Mohamed Frihi, Mostefa Boutalbi, Camel Tanougast, Salah Toumi and Mikael Heil. Reliable Router for Dynamic Network on Chip	
				90	Said Sadoudi, Mohamed Salah Azza and Camel Tanougast. Novel Experimental Synchronization Technique for Embedded Chaotic Communications	
				80	Amira Yahi, Salah Toumi, Kamel Messaoudi, El Bey Bourennane. Hardware Implementation for a New Design of the VBSME Used in H.264/AVC	
C8	Advances in Sliding Mode Control Techniques: From Theory to Real Implementation	Karim Khayati	Salle visioconf.	116	Jiang Zhu and Karim Khayati. New Algorithms of Adaptive Switching Gain for Sliding Mode Control: Part I – Ideal Case	
				117	Jiang Zhu and Karim Khayati. New Algorithms of Adaptive Switching Gain for Sliding Mode Control: Part II – Real Case	
				159	Salah Eddine Rezgui, Said Legrioui, Adel Mehdi and Hocine Benalla. Robust IM Control with Mras-Based Speed and Parameters Estimation with ANN using Exponential Reaching Law	
				137	Mohamed Bendaoud, Hicham Hihi and Khalid Faitah. Graphical conditions for R-controllability of generalized linear switching systems	
				112	Malek Khadhraoui, Montassar Ezzine, Hassani Messaoud and Mohamed Darouach. Design of Full Order Observers with Unknown Inputs for Delayed Singular Systems with Constant Time Delay	
D8	Identification and Control	Hassani Messaoud	1A10	2	Sahar Eldeep and Ehab Ali. Statistical Assessment of New Coordinated Design of PSSs and SVC for Multimachine Power System	
				48	Abdelbacet Mhamdi, Kaouther Ben Taarit and Moufida Ksouri. Comparison between asymptotic and non asymptotic identification techniques of a first-order plus time delay model from step response	
				50	Nan Gao, Mohamed Darouach, Marouane Alma and Holger Voos. H∞ decentralized dynamic-observer-based control for large-scale uncertain nonlinear systems	
				113	Malek Khadhraoui, Montassar Ezzine, Hassani Messaoud and Mohamed Darouach. Design of Full Order H infinity Filter for Delayed Singular Systems with Unknown Input and Bounded Disturbance	
				155	Ghouraf Djamel-Eddine and Naceri Abdellatif. Robust PID-PSS Based Genetic Algorithms Implemented Under GUI - MATLAB	
E8	Data Mining and Data/Information Analysis	Amir Rahnama	0A65	74	Farhana Sarker, Thanassis Tiropanis and Hugh C Davis. Linked Data, Data Mining and External Open Data for Better Prediction of at-risk Students	
				202	Kwan Hua Sim, Kwan Yong Sim and Patrick Hang Hui Then. Forecasting Price Volatility Cluster of Commodity Futures Index by Using Standard Deviation with Dynamic Data Sampling Based on Significant Interval…	
				56	Zeineb Chelly and Zied Elouedi. A Study of the Data Pre-Processing Module of the Dendritic Cell Evolutionary Algorithm	
				6	Djalila Boughareb and Nadir Farah. CONTEXT IN INFORMATION RETRIEVAL	
				247	Amir Rahnama. Distributed Real-time sentiment analysis of big data social stream	