

2014 International Conference on Control, Decision and Information Technologies

(CoDIT 2014)

**Metz, France
3 – 5 November 2014**



**IEEE Catalog Number: CFP14COB-POD
ISBN: 978-1-4799-6774-2**

Table of contents

Part I: Decision and Optimization	1
<i>Ranking the solution techniques for reactive scheduling problem in operating room.</i> Vahid Farrokhi, Francine Herrmann, Imed Kacem and László Pokorádi.	1
<i>Sharp Bounds on the Spectral Radius of Halin Graphs and Other k-Outerplanar Graphs.</i> Patrick Healy.	7
<i>Dominance Measuring Methods within MAVT/MAUT with Imprecise Information concerning Decision-Makers' Preferences.</i> Antonio Jiménez-Martín, Alfonso Mateos and Pilar Sabio.	13
<i>Simple constructive heuristics for the Distributed Assembly Permutation Flowshop Scheduling Problem with Sequence Dependent Setup Times.</i> Sara Hatami, Ruben Ruiz and Carlos Andres Romano.	19
<i>Traffic-aware Virtual Machine Placement in Geographically Distributed Clouds.</i> Hana Teyeb, Ali Balma, Nejib Ben Hadj-Alouane, Samir Tata and Atidel B. Hadj-Alouane.	24
<i>Single-item lot sizing problem with carbon emission under the cap-and-trade policy.</i> Ayse Akbalik and Christophe Rapine.	30
<i>Decentralized versus Centralized Performances in the Case of Stackelberg Game between a Customer and two Suppliers.</i> Ibtissem Ernez Gahbiche, Khaled Hadj Youssef, Abdelwaheb Dogui and Zied Jemai.	36
<i>Lagrangian relaxation for the permutation flowshop scheduling problem with minimal and maximal time lags.</i> Imen Hamdi and Taicir Loukil.	42
<i>SVDD: A proposal for automated credit rating prediction.</i> Claude Gangolf, Robert Dochow, Günter Schmidt and Thomas Tamisier.	48
<i>A large neighborhood search for the vehicle routing problem with two-dimensional loading constraints.</i> Lei Wu, Mhand Hifi and Moudher Khalid Abdal-Hammed.	54
<i>Solving the Bi-Objective Integer Programming: A DEA Methodology.</i> Esmaiel Keshavarz and Mehdi Toloo.	60
<i>A mixed integer linear programming approach for a new form of facility layout problem.</i> Yipei Zhang and Ada Che.	65
<i>Weighted Dominating Sets and Induced Matchings in Orthogonal Ray Graphs.</i> Asahi Takaoka, Satoshi Tayu and Shuichi Ueno.	69
<i>A linear mathematical model for patients' activities scheduling on hospital resources.</i> Nour El Houda Saadani, Zied Bahroun and Asma Bouras.	74

<i>Branch and Price for a Reliability Oriented DARP Model.</i> Alain Quilliot, Samuel Deleplanque and Benoit Bernay.	81
<i>A Hybrid Approach Combining Fuzzy Consensus-Based Goal Programming and TOPSIS.</i> Idris Igoulalene and Lyes Benyoucef.	87
<i>Facets of order polytopes.</i> Selim Rexhep, Samuel Fiorini and Jean-Paul Doignon.	93
<i>A Robust Optimization Approach for the Vehicle Routing Problem with Uncertain Travel Cost.</i> Elyn Lizeth Solano Charris, Christian Prins and Andréa Cynthia Santos.	98
<i>A Hybrid Large Neighborhood Search for the Pickup and Delivery Problem with Time Windows.</i> Mhand Hifi, Laurent Moreau, Stephane Negre and Lei Wu.	104
<i>Approximation algorithm for constrained coupled-tasks scheduling problem.</i> Gilles Simonin, Benoit Darties, Jean-Claude Konig and Rodolphe Giroudeau.	110
<i>An Improved Approximation Algorithm for the Ancient Scheduling Problem with Deadlines.</i> Eugene Levner and Amir Elalouf.	113
<i>An Exact Solution Search for the Max-Min Multiple Knapsack Problem.</i> Ferhan Al-Maliky, Mhand Hifi and Hedi Mhalla.	117
<i>Trace-Based Decision Making in Interactive Application: Case of Tamagotchi systems.</i> Hoang-Nam Ho, Mourad Rabah, Samuel Nowakowski and Pascal Estrailier.	123
<i>Branch-and-cut strategies for a multi-period network design and routing problem.</i> Bernard Fortz and Dimitri Papadimitriou.	128
<i>A dichotomic algorithm for an operating room scheduling problem.</i> Mohamed Amine Abdeljaoued, Zied Bahroun and Nour Houda Saadani.	134
<i>Polyhedral Study for the Maximum Bounded r-Tree Problem.</i> Hervé Kerivin and Jinhua Zhao.	140
<i>Simulation Based Optimization Approach to solve a Maintenance Process Problem.</i> Nouha Lahiani, Yasmina Hani, Abderrahman El Mhamedi and Abdelfateh Triki.	146
<i>A Comparison of Multiple Objective Evolutionary Algorithms for Solving the Multi-Objective Node Placement Problem.</i> Hela Masri, Ons Abdelkhalek and Saoussen Krichen.	152
<i>Linear Index Coding via Graph Homomorphism.</i> Javad B. Ebrahimi and Mahdi Jafari Siavoshani.	158
<i>Branch and Price with Constraint propagation for Resource Constrained Project Scheduling Problem.</i> Aziz Moukrim, Alain Quilliot and Hélène Toussaint.	164
<i>An evaluation of a production performance across the selected EU regions.</i> Jana Hanclova.	170

<i>Formulations for the Balanced Vertex k-Separator Problem.</i> Denis Cornaz, Fabio Furini, Mathieu Lacroix, Enrico Malaguti, A. Ridha Mahjoub and Sébastien Martin.	176
<i>Bipartite Complete Matching Vertex Interdiction Problem: Application to Robust Nurse Assignment.</i> Pierre Laroche, Sébastien Martin, Franc Marchetti and Zsuzsanna Róka.	182
<i>A Hybrid Metaheuristic for the Vehicle Routing Problem with Time Windows.</i> Mhand Hifi and Lei Wu.	188
<i>A Robust Assessment of Effective HealthCare Demand in the Pediatric Emergency Department.</i> Wided Chandoul, Hervé Camus, Nesrine Zoghlami, Slim Hammadi and Alain Matinot.	195
<i>An Evolutionary Approach for Multi-Objective Optimization in Cyclic Hoist Scheduling Problem.</i> Adnen El Amraoui and Khaled Mesghouni.	201
<i>Solving Operating Theater Facility Layout Problem using a Multi-Agent System.</i> Abdelahad Chraïbi, Kharraja Saïd, Ibrahim Osman and Omar El Beqqali.	207
<i>A branch and bound algorithm for one supplier and multiple heterogeneous customers to solve a coordinated scheduling problem.</i> Hammoudan Zakaria, Olivier Grunder, Toufik Boudouh and Abdellah El Moudni.	213
<i>A Mathematical formulation and a lower bound for the three-dimensional multiple-bin-size bin packing problem (MBSBPP): A Tunisian industrial case.</i> Mariem Baazaoui, Saïd Hanafi and Hichem Kamoun.	219
<i>Traffic Control Model and Algorithm Based on Decomposition of MDP.</i> Biao Yin, Mahjoub Dridi and Abdellah El Moudni.	225
<i>Optimal Search with Bounded Daily Returns.</i> Esther Mohr.	231
<i>A Bi-objective optimization model for single-machine batch scheduling considering energy cost.</i> Junheng Cheng, Feng Chu, Weili Xia, Jianxun Ding and Xiang Ling.	236
<i>On the single-processor scheduling problem with time restrictions.</i> Rachid Benmansour, Oliver Braun and Abdelhakim Artiba.	242
<i>A case study of a two-stage flow shop with dedicated machines and a single robot.</i> Nacira Chikhi, Rachid Benmansour, Abdelghani Bekrar, Saïd Hanafi and Moncef Abbas.	246
<i>On minimal two-edge connected graphs.</i> Denis Cornaz, Youcef Magnouche and Ali Ridha Mahjoub.	251
<i>An optimization and Simulation approach for Operating Room scheduling under stochastic durations.</i> Hadhemi Saadouli, Malek Masmoudi, Badreddine Jerbi and Abdelaziz Dammak.	257
<i>On star forest polytope.</i> Lamia Aoudia, Viet Hung Nguyen, Ali Ridha Mahjoub and Méziane Aider.	263

<i>Multicriteria decision making for Medical equipment maintenance: Insourcing, outsourcing and service contract.</i>	
Malek Masmoudi, Zeineb Ben Houria and Faouzi Masmoudi.	269
<i>Genetic algorithm to infer criteria weights for multicriteria Inventory Classification.</i>	
Hadhami Kaabi, Khaled Jabeur and Talel Ladhari.	276
<i>Optimization of Integrated Employee Timetabling and Hybrid Job Shop Scheduling under Time Lag Constraints.</i>	
Mohamed Frihat, Chérif Sadfi and Atidel B. Hadj-Alouane.	282
<i>An effective iterative lower bound algorithm for the single machine scheduling problem with unavailability constraint and release date jobs and tails for maximum lateness minimization.</i>	
Walid Hfaied, Chérif Sadfi, Imed Kacem and Atidel B. Hadj-Alouane.	288
<i>Two bounds of chromatic number in graphs coloring problem.</i>	
Assia Gueham, Anass Nagih and Hacene Ait Haddadene.	292
<i>MILP for Synchronized-mTSPTW: application to Home HealthCare Scheduling.</i>	
Malek Masmoudi and Racem Mallouli.	297

Part II: Control and Applications 303

<i>A Simple Application of GPI Observers to the Force Control of Robots.</i>	
Marco Antonio Arteaga Perez and Alejandro Gutierrez Giles.	303
<i>A negative selection algorithm applied to helicopter actuator fault detection.</i>	
Thomas Rakotomamonjy and Morgane Le Boulanger.	309
<i>Cascaded Backstepping Control of a Duocopter Including Disturbance Compensation by Unscented Kalman Filtering.</i>	
Thomas Meinschmidt, Harald Aschemann and Saif Siddique Butt.	315
<i>Multi-Variable Flatness-Based Control of a Helicopter with Two Degrees of Freedom.</i>	
Saif Siddique Butt, Robert Prabel and Harald Aschemann.	321
<i>Simulation and Performance Evaluation of an Intermodal Terminal using Petri Nets.</i>	
Mariagrazia Dotoli, Nicola Epicoco, Marco Falagario, Graziana Cavone and Biagio Turchiano.	327
<i>A sufficient condition on the robust monotonic convergence of uncertain 2-D Roesser systems.</i>	
Zhifu Li, Yueming Hu and Qiwei Guo.	333
<i>Numerical Research of High Viscosity Phosphor Flow Field Distribution of High-power LED Phosphor Coating Process.</i>	
Qiwei Guo, Yueming Hu and Zhifu Li.	338
<i>Disturbance rejection based on a state feedback controller with "delay scheduling".</i>	
Asma Karoui, Kaouther Ben Taarit and Moufida Ksouri.	344

<i>Comparison between asymptotic and non asymptotic identification techniques of a first-order plus time delay model from step response.</i> Abdelbacet Mhamdi, Kaouthar Ben Taarit and Moufida Ksouri.	351
<i>Sensor Position Influence on Modeling and Control of 155mm Canard-Guided Spin-Stabilized Projectiles.</i> Florian Seve, Spilios Theodoulis, Philippe Wernert, Michel Zasadzinski and Mohamed Boutayeb.	358
<i>H_∞ decentralized dynamic-observer-based control for large-scale uncertain nonlinear systems.</i> Nan Gao, Mohamed Darouach, Marouane Alma and Holger Voos.	364
<i>Hybrid Force/Position Control of Robotic Drilling System.</i> Azeddien Kinsheel.	370
<i>Inverse of Multivariable Linear Time Varying Bond-Graph models.</i> Chafik Andaloussi, Hicham Hihi and Zakaria Chalh.	375
<i>On the Modeling of Discrete Time Auto-Regressive Representations.</i> Lazaros Moysis and Nicholas Karampetakis.	381
<i>Active fault diagnosis based on a framework of optimization for closed loop system.</i> Jingwen Yang, Frédéric Hamelin and Dominique Sauter.	387
<i>Monitoring Simple Linear Profiles in the Presence of GARCH and non-Normality Effects .</i> Paria Soleimani and Reza Hadizadeh.	393
<i>A genetic algorithm to minimise the makespan on two dedicated processors.</i> Adel Kacem and Abdelaziz Dammak.	400
<i>Experimental Second Order Sliding Mode Fault Tolerant Control for Moment Gyroscope System with Sensor Fault.</i> Ahmed Chaibet and Moussa Boukhnifer .	405
<i>Consensus in multi-agent systems with non-periodic sampled-data exchange and uncertain network topology.</i> Mehran Zareh, Dimos V. Dimarogonas, Mauro Franceschelli, Karl Henrik Johansson and Carla Seatzu.	411
<i>Fault Tolerant Predictive Control for Multi-Agent Dynamical Systems: Formation Reconfiguration using Set-Theoretic Approach.</i> Minh Tri Nguyen, Cristina Stoica Maniu, Sorin Olaru and Alexandra Grancharova.	417
<i>Design of Full Order Observers with Unknown Inputs for Delayed Singular Systems with Constant Time Delay.</i> Malek Khadhraoui, Montassar Ezzine, Hassani Messaoud and Mohamed Darouach.	423
<i>Design of Full Order H_∞ Filter for Delayed Singular Systems with Unknown Input and Bounded Disturbance.</i> Malek Khadhraoui, Montassar Ezzine, Hassani Messaoud and Mohamed Darouach.	429
<i>Univariate Process Monitoring using Multiscale Shewhart Charts.</i> M. Ziyan Sheriff, Fouzi Harrou and Mohamed Nounou.	435

<i>New Algorithms of Adaptive Switching Gain for Sliding Mode Control: Part I – Ideal Case.</i>	
Jiang Zhu and Karim Khayati.	441
<i>New Algorithms of Adaptive Switching Gain for Sliding Mode Control: Part II – Real Case.</i>	
Jiang Zhu and Karim Khayati.	447
<i>On the use of ARMAX approach for handwriting system modelization.</i>	
Maroua El Kastouri, Afef Abdelkrim and Mohamed Benrejeb .	453
<i>Graphical conditions for R-controllability of generalized linear switching systems.</i>	
Mohamed Bendaoud, Hicham Hihi and Khalid Faitah.	459
<i>Control Strategy for Continuous Lactic Acid Production from Wheat Flour.</i>	
Karen Gonzalez, Sihem Tebbani, Filipa Lopes, Didier Dumur, Dominique Pareau, Sébastien Givry and Françoise Entzmann.	465
<i>A Piezo Servo Hydraulic Actuator for Use in Camless Combustion Engines and its Control with MPC.</i>	
Benedikt Haus, Paolo Mercorelli and Nils Werner.	471
<i>Robust IM Control with Mras-Based Speed and Parameters Estimation with ANN using Exponential Reaching Law.</i>	
Salah Eddine Rezgui, Said Legrioui, Adel Mehdi and Hocine Benalla.	477
<i>On the design of process fuzzy PID controller.</i>	
Mohamed Amine Ben Brahim, Afef Abdelkrim and Mohamed Benrejeb .	483
<i>Intelligent Decision Support for Renewable Energy Providers.</i>	
Ioana Stanescu, Antoniu Stefan, Dumitru Stefan, Florin Dragomir, Nicolae Olariu and Otilia Dragomir.	488
<i>Robust EP-contaminated filter for discrete-time systems.</i>	
Eric Blanco, Philippe Neveux and Abdelhani Boukrouche .	493
<i>Intelligent Robotics in 3D Simulation - An eRobotics Approach.</i>	
Eric Guiffo Kaigom and Jürgen Rossmann.	498
<i>Multi-model Predictive Control Strategies for an Activated Sludge Model.</i>	
Matoug Lamia and Khadir M. Tarek.	504
<i>Contemporary Sinusoidal Disturbance Detection and Nano Parameters Identification Using Data Scaling Based on Recursive Least Squares Algorithms.</i>	
Manuel Schimmack and Paolo Mercorelli.	510
<i>Hybrid Petri Nets for Modeling and Control of Multi-source Energy Conversion Systems.</i>	
Alexandre Sava, Kondo Hloindo Adjallah and Honoré Lagaza.	516
<i>Trajectory closed loop control experiment for a two-link elastic manipulator in presence of load.</i>	
M.H. Korayem, M. Doosthoseini, B. kadhodaei Elyaderani, A.M. Shafei.	522

<i>Predictive Simulation Based Decision Support System for Resource Failure Management in Multi-Site Production Environments .</i> Matthias Becker, Helena Szczerbicka and Sinan Balci.	526
<i>Performance Evaluation of Low Earth Orbit Microsatellite Attitude Control Systems Using Tetrahedral Configuration – A Comparative Study.</i> Mohammed Arezki Si Mohammed, Abdelatif Bellar, Youcef Benttoutou, Abdelmadjid Boudjemai, Rima Roubache and Nsreddine Taleb .	531
<i>Tracking error estimation of uncertain Lur'e Postnikov systems.</i> Amira Gharbi, Mohamed Benrejeb and Pierre Borne.	537
<i>Artificial Intelligence for Help in Decision Making During Non Destructive Testing of Materials .</i> Thouraya Merazi Meksen, Malika Boudraa and Bachir Boudraa.	541
<i>A New Approach on Angular Position Control of Fan and Plate System.</i> Emre Dincel, Yaprak Yalçın and Salman Kurtulan.	545
<i>Causal Temporal Signature from Diagnoser model for online Diagnosis of Discrete Event Systems.</i> Ramla Saddem and Alexandre Philippot.	551
<i>Optimal Trajectory Planning by Big Bang-Big Crunch Algorithm.</i> Sabri Yilmaz and Metin Gokasan.	557
<i>A Li-Ion cell testbench for fast Characterization and modeling.</i> Lucas Cicero, Camel Tanougast, Harry Ramenah, Loic Sieler and Frederic Lecerf.	562
<i>Calculation of All Gains Providing Time-Delay Independent Stability Via Root Locus.</i> Baris Samim Nesimioglu and Mehmet Turan Soylemez.	566
<i>On Trajectory Tracking Control of the Inertia Wheel Pendulum.</i> Javier Moreno-Valenzuela, Carlos Aguilar-Avelar and Sergio A Puga.	572
<i>A Lyapunov Based PI Controller with an Anti-windup Scheme for a Purification Process of Potable Water.</i> Paolo Mercorelli, Johannes Goes and Robert Halbe.	578
<i>Frequency Adaptive Repetitive Control of Grid-connected Inverters.</i> Rabia Nazir, Keliang Zhou, Neville R. Watson and Alan Wood.	584

Part III: Information Technologies and Electronics 589

<i>Context in Information Retrieval.</i> Djalila Boughareb and Nadir Farah.	589
<i>Implementation of Universal Digital Architecture using 3D-NoC for Mobile Terminal.</i> Benhaoues Atef, Bourennane El Bay, Camel Tanougast, Toumi Salah, Mayache Hichem and Kamel Messaoudi.	595

<i>Low-Noise Transimpedance Amplifier Dedicated to Biomedical Devices: Near Infrared Spectroscopy System.</i>	
Ahmad Chaddad and Camel Tanougast.	601
<i>Quantitative Texture Analysis for Glioblastoma Phenotypes Discrimination.</i>	
Ahmad Chaddad, Pascal O. Zinn and Rivka R. Colen.	605
<i>Modeling and simulation of a patch antenna from it Bond Graph model.</i>	
Sabri Jmal, Hichem Taghouti and Abdelkader Mami.	609
<i>Remarks on Fuzzy Reasoning-Based Brain Activity Recognition with a Compact Near Infrared Spectroscopy Device and Its Application to Robot Control Interface.</i>	
Kazuhiko Takahashi, Syota Maekawa and Masafumi Hashimoto.	615
<i>Social interaction inside the cMOOC #ExIF13 Adaptive e-learning in distance education on a new track!?</i>	
Sebastian Vogt and Markus Deimann.	621
<i>Survival Analysis of Pre-Operative GBM Patients by Using Quantitative Image Features.</i>	
Pattana Wangaryattawanich, Jixin Wang, Ginu A. Thomas, Ahmad Chaddad, Pascal O. Zinn and Rivka R. Colen.	625
<i>Modelling emotions in an on-line educational game.</i>	
Peter Robinson.	628
<i>A Study of the Data Pre-Processing Module of the Dendritic Cell Evolutionary Algorithm.</i>	
Zeineb Chelly and Zied Elouedi.	634
<i>Application of electronic nose to beer recognition using supervised artificial neural networks.</i>	
Maryam Siadat, Mahdi Ghasemi-Varnamkhasti, Seyed Saeid Mohtasebi and Etienne Losson.	640
<i>Pattern Discovery in E-learning Courses: a Time-based Approach.</i>	
Guillaume Blot, Francis Rousseaux and Pierre Saurel.	646
<i>Linked Data, Data Mining and External Open Data for Better Prediction of at-risk Students.</i>	
Farhana Sarker, Thanassis Tiropanis and Hugh C Davis.	652
<i>Hardware Implementation for a New Design of the VBSME Used in H.264/AVC.</i>	
Amira Yahi, Kamel Messaoudi, Salah Toumi and El Bey Bourennane.	658
<i>Adaptive Digital Resource Modelling for Interactive System.</i>	
Sawadogo Daouda, Ronan Champagnat and Pascal Estrailier.	663
<i>Novel Experimental Synchronization Technique for Embedded Chaotic Communications.</i>	
Said Sadoudi, Mohamed Salah Azzaz and Camel Tanougast.	669
<i>Effectiveness of combined time-frequency image- and signal-based features for improving the detection and classification of epileptic seizure activities in EEG signals.</i>	
Larbi Boubchir, Sumaya Almaadeed and Ahmed Bouridane.	673
<i>Development of an electronic equipment for the pre medical diagnose in the progress of diabetic foot disease.</i>	
Lorenzo Leija, Arturo Vera, Fátima Estela Lopez, Omar Usiel Garcia, Josefina Gutierrez, Carlos Negreira and F.J. Ramos-Becerril.	679

<i>Efficient Segmentation of Sub-Words within Handwritten Arabic Words.</i> Faraz Khan, Ahmed Bouridane, Fouad Khelifi, Rasheed Almotaeryi and Sumaya Almaadeed.	684
<i>Negative emotion detection using EMG signal.</i> Khadidja Gouizi, Fethi Bereksi and Choubeila Maaoui.	690
<i>Minutiae Based Fingerprint Image Hashing.</i> Rajesh Kumar Muthu, Ahmed Bouridane and Fouad Khelifi.	696
<i>Visualization of Faces from Surveillance Videos via Face Hallucination.</i> Adam Makhfoudi, Sumaya Almaadeed, Richard Jiang, Graham Sexton and Ahmed Bouridane.	701
<i>A New Image Crypto-compression System SPIHT-PSCS.</i> Tarek Hadjem, Mohamed Azzaz, Camel Tanougast and Said Sadoudi.	706
<i>A Low-Cost Many-to-One WSN Architecture Based on UWB-IR and DWPT.</i> Mohamed Tabaa and Camille Diou.	712
<i>Remote assessment of physiological parameters by non-contact technologies to quantify and detect mental stress states.</i> Frédéric Bousefsaf, Choubeila Maaoui and Alain Pruski.	719
<i>Robust sensorless speed observer-controller scheme for PMSM.</i> Khira Dchich, Abderrahmen Zaafouri and Abdelkader Chaari.	724
<i>Formal Specification and Verification of wireless networked self-organized Systems on Chip.</i> Hayat Daoud, Camel Tanougast, Mostefa Belarbi and Mikael Heil.	730
<i>Optimization of an Electronic Nose for Rapid Quantitative Recognition.</i> Mohamed Diaa Ahmadou, Losson Etienne, Maryam Siadat and Martine Lumbreras.	736
<i>High Gain Channel Coding for Satellite Communication System.</i> Lahcen Hadj Abderrahmane and Mansour Bacha.	742
<i>Handling uncertainties of models inputs in inverse problem: the U-discrete PSO approach.</i> Dominique Barchiesi.	747
<i>Application of an Electronic Nose System Coupled with Artificial Neural Network for Classification of Banana Samples During Shelf-life Process.</i> Alireza Sanaeifar, Seyed Saeid Mohtasebi, Mahdi Ghasemi-Varnamkhasti and Maryam Siadat.	753
<i>Forecasting Price Volatility Cluster of Commodity Futures Index by Using Standard Deviation with Dynamic Data Sampling Based on Significant Interval Mined from Historical Data.</i> Kwan Hua Sim, Kwan Yong Sim and Patrick Hang Hui Then.	758
<i>Multiple Closed Loop System Control with Digital PID Controller Using FPGA.</i> Sirin Akkaya, Onur Akbati and Haluk Gorgun.	764
<i>Segmentation of Abnormal Cells by Using Level Set Model.</i> Hawraa Haj-Hassan, Ahmad Chaddad, Camel Tanougast and Youssef Harkouss.	770

<i>Fault-tolerant self-organized mechanism for networked reconfigurable MPSoC.</i> Mikael Heil and Camel Tanougast.	774
<i>Optimization of a Reliable Network on Chip dedicated to partial reconfiguration.</i> Camel Tanougast and Cedric Killian.	778
<i>Reliable Router for Dynamic Network on Chip.</i> Mohamed Frihi, Mostefa Boutalbi, Camel Tanougast, Mikael Heil and Salah Toumi.	783
<i>Distributed Real-time sentiment analysis of big data social stream.</i> Amir Rahnama.	789