Program by session

Special Sessions / Mini-Symposium

MS 1 : Combinatorial Optimization, Mini-Symposium organized by Ridha Mahjoub (Université Paris-Dauphine, France)

MS 1.1 : Thursday 20 8h30 – 9h45

8h30 – 8h55	The single-vehicle preemptive pickup and delivery problem Hervé Kerivin, Mathieu Lacroix, Ridha Mahjouh.
8h55 – 9h20	On The k Edge-Disjoint 3-Hop Constrained Paths Polytope. Fatiha Bendali, Ibrahima Diarrassouba, Ridha Mahjoub, Jean Mailfert.
9h20 – 9h45	On the polytope of the (1,k)-survivable network design problem. Lise Slama, Ridha Mahjoub.

MS 1.2 : Thursday 20 14h40 – 15h55

14h40 – 15h05	Combinatorial problems and integer formulations in wireless mesh network design. Marceau Coupechoux, Pierre Fouilhoux, Sébastien Martin.
15h05 – 15h30	Polyhedral Approach for the Vertex Separator Problem. Mohamed Didi Biha, Marie-Jean Meurs.
15h30 – 15h55	Separable Augmented Lagrangian Algorithm for solving an electricity generation scheduling problem. Nidhal Smaoui, Vincent Grellier, Jerome Quenu.

SS 2 : Combinatorial and Stochastic Optimization, Session organized by Abdel Lisser (Université Paris Sud, France)

Thursday 20 11h05 – 12h20

8h30 – 8h55	Multiroute flows: parametrized cut-trees. Pascal Berthome, Diallo Madiagne.
8h55 – 9h20	Stochastic Quadratic Knapsack Problem. Alexei Gaivoronski, Abdel Lisser, Rafaël Lopez.
9h20 – 9h45	Polynomial-time solvability of some multicut problems. Cédric Bentz.

SS 3 : Combinatorial and Non-Convex Optimization for Image Analysis and Computer Vision, Session organized by Christoph Schnoerr (University Mannheim, Germany)

Wednesday 19 8h30 – 10h10

8h30 – 8h55	Quasiconvexity and Beyond: Theory, Algorithms and Applications in Computer Vision. Fredrik Kahl, Carl Olsson.
8h55 – 9h20	Fast Optimization of Discrete Markov Random Fields Using the Primal-Dual Schema. Nikos Komodakis, Nikos Paragios, Georgios Tziritas.
9h20 – 9h45	On Max-sum Arc Consistency. Tomas Werner.
9h45 – 10h10	Efficient Optimization of non-submodular, pairwise Markov Random Fields. Carsten Rother.

SS 4 : Optimal Control and Related Techniques, Session organized by Joseph Frédéric Bonnans, INRIA-Futurs et CMAP, France)

Monday 17 16h50 – 18h30

16h50 – 17h15	A Convexity-based Homotopy Method for Nonlinear Optimization in A Convexity-based Homotopy Method for Nonlinear Optimization in Model Predictive Control. Julian Bonilla, Moritz Diehl, Bart De Moor, Jan Van Impe.
17h15 – 17h40	0ptimal control techniques for hydropower production. Joseph Frédéric Bonnans.
17h40 – 18h05	Characterizations of Kurdyka-Lojasiewicz inequality. Jérôme Bolte.
18h05 – 18h30	A penalization approach for tomographic reconstruction of binary axially symmetric objects. Romain Abraham, Maïtine Bergounioux, Emmanuel Trélat.

MS 5 : DC programming and DCA, Mini-Symposium organized by LE THI Hoai An (Université Paul Verlaine, Metz, France)

MS 5.1 : Monday 17 11h05 – 12h20

11h05 – 11h30	D.C. Programming and DCA for Nonconvex Resource Allocation Problems in Multi-user Interference Communication Systems. Yang Xu, Le Ngoc Tho.
11h30 – 11h55	DC Programming and DCA for Automated Guided Vehicles Dispaching in Port Container Terminals. Babacar Mbaye Ndiaye, Pham Dinh Tao, Le Thi Hoai An.
11h55 – 12h20	A step from d.c. optimization to d.c. mixed variational inequality Le Dung Muu, Quoc Tran Dinh

MS 5.2 : Tuesday 18 14h40 – 15h55

14h40 – 15h05	Cryptanalysis of an identification scheme based on the Permuted Perceptron Problem using a combined DCA-Simulated Annealing algorithm Sarra Boullagui, Le Thi Hoai An, Pham Dinh Tao
15h05 – 15h30	Motif Finding via DC programming and DCA T.M. Belghiti, Le Thi Hoai An, Pham Dinh Tao
15h30 – 15h55	Recent development in application of direct methods to large-scale problems Abdelkader Hachemi, Said Mouhtamid, Nguyen An Danh, Dieter Weichert.

MS 5.3 : Thursday 20 14h40 – 15h55

14h40 – 15h05	A DC Programming Approach for Portfolio Selection Models with Discrete Asset Choice Constraints. Mahdi Moeni, Nalan Gulpinar, Le Thi Hoai An, Pham Dinh Tao.
15h05 – 15h30	An application of DC programming approach for logistics network design problem Phuong Nga Thanh, Nathalie Bostel, Olivier Péton.
15h30 – 15h55	Behavior of DCA Sequences for Solving the Trust-Region Subproblem. Le Thi Hoai An, Pham Dinh Tao, Nguyen Dong Yen.

SS 6 : Deterministic Global Optimization based on Branch and Bound Algorithms, Session organized by Frédéric Messine (ENSEEIHT, France)

Monday 17 13h50 – 14h15

13h50 – 14h15	A Reformulation Method based on Affine Artihmetic for Constrained Global Optimization Problems. Jordan Ninin, Frederic Messine, Pierre Hansen.
14h15 – 14h40	A Branch and Bound Algorithm for Convex Semi-Infinite Programming Le Thi Hoai An, Mohand Ouanes
14h40 – 15h05	An Interval Branch and Bound Algorithm for Mixed Constrained Global Optimization Problems with Constraints of Black-Box type. Julien Fontchastagner, Frederic Messine, Yvan Lefevre.
15h05 – 15h30	Interval Bounding Methods. Frederic Messine.

SS 7 : Financial Optimization, Session organized by Berc Rustem & Nalan Gulpinar (Imperial College, UK)

Monday 17 16h50 – 18h30

16h50 – 17h15	Robust portfolio optimization: a conic programming approach. Kai Ye, Berc Rustem.
17h15 – 17h40	Worst-case Robust Investment Strategies with Discrete Asset Choice Constraints Using DCA. Mahdi Moeni, Nalan Gulpinar, Le Thi Hoai An, Pham Dinh Tao.
17h40 – 18h05	Partitioning Procedure for Polynomial Optimisation: Application to Portfolio Decisions with Higher Order Moments. Polyxeni-Margarita Kleniati, Berc Rustem.
18h05 – 18h30	Optimal Investment and Asymmetric Risk for A Large Portfolio: A Large Deviations Approach Ba Chu, John Knight, Stephen Satchell

SS 8 : Global Nonconvex Quadratic Programming, Session organized by William Hager (University Florida, USA)

Tuesday 18 11h05 – 12h20

11h05 – 11h30	An Ellipsoidal Branch and Bound Algorithm for Solving Quadratically Constrained Quadratic Programs. Dzung Phan, William Hager.
11h30 – 11h55	A combined DCA and Branch-and-Bound with New Bounding Techniques for Globally Solving Nonconvex Quadratic Programs Nguyen Canh Nam, Pham Dinh Tao, Le Thi Hoai An
11h55 – 12h20	Multilevel Quadratic Programming Techniques for Graph Partitioning. William Hager.

MS 9 : Image Quality Assement and Enhancement, Mini-Symposium organized by Azeddine Beghdadi (Université Paris 13, France)

MS 9.1 : Thursday 20 8h30 – 9h45

8h30 – 8h55	Image Registration with a Partition of Unity Finite Element Method. Oudom Somphone, Sherif Makram-Ebeid, Laurent Cohen.
8h55 – 9h20	Integration of Visual Weightings in Jpeg2000 for Quality Enhancement. Mohamed-Chaker Larabi, Christine Fernandez.
9h20 – 9h45	A Nonlinear Filtering Approach to Image Restoration. A. Bouzerdoum, M. A. Kitchener.

MS 9.2 : Thursday 20 14h40 – 15h55

14h40 – 15h05	Teager-Kaiser Energy Operator for Image Contrast Enhancement. A.O. Boudraa, E.H.S. Diop, F. Salzenstein.
15h05 – 15h30	A Proximal Point Algorithm for a Non Negative Basis Pursuit Denoising model. F. Malgouyres, T. Zeng.
15h30 – 15h55	A Pyramid Contrast-based Watermarking Method and its Performance evaluation M. Luong, Q. B. Do, A. Beghdadi

SS 10 : Integer Optimization, Session organized by Gérard Plateau (Université Paris 13, France)

Tuesday 18 8h30 – 9h45

8h30 – 8h55	Reformulation in mathematical programming: an overview Leo Liberti.
8h55 – 9h20	Linear and quadratic formulations of the Asymmetric Traveling Salesman Problem. Laurent Alfandari, Lucas Létocart.
9h20 – 9h45	Lagrangian and convexification methods for the 0-1 exact k-item quadratic knapsack problem. Lucas Létocart, Marie-Christine Plateau, Gérard Plateau.

SS 11 : Modelling in Banks, Insurance and Bourse, Session organized by Duc PHAM-HI (Ecole Centrale Electronique, Paris, France)

Tuesday 18 11h05 – 12h20

11h05 – 11h30	Dealing with non-convexities in Finance Pham Hi Duc.
11h30 – 11h55	Portfolio mean variance approach under transaction costs defined by a pieacewise affine function. Yves Rakotondratsimba.
11h55 – 12h20	Bayesian Networks for Risk Assessment and Quantification. Patrick Naim, Laurent Condamin.

SS 12 : Metaheuristics for Network Security and Reliability, Session organized by Pascal Bouvry (University of Luxembourg)

Wednesday 19 8h30 – 10h10

8h30 – 8h55	Optimal Location of Sensor Nodes with a Memetic Simulated Annealing. Guillermo Molina, Enrique Alba.
8h55 – 9h20	Maintaining Shortest Paths in Dynamic Graphs. Stefan Balev, Frederic Guinand, Yoann Pigne.
9h20 – 9h45	Multi-Objective Optimization for Information Sharing on Vehicular Ad Hoc Networks: a case study. Bojan Reljic, Frank Zimmer, Pascal Bouvry.
9h45 – 10h10	Gene Expression Programming in Intrusion Detection. Rafal Paluch, Franciszek Seredynski, Pascal Bouvry.

SS 13 : Network Design, Session organized by Bernard Fortz (Université Libre de Bruxelles, Belgique) and Arnaud Knippel (Insa-Rouen, France)

Tuesday 18 11h05 – 12h20

11h05 – 11h30	Network Optimization through a particular topology ; case of Routing Problem Mohamed Amine Boutiche, Hacène Ait Haddadene, Le Thi Hoai An.
11h30 – 11h55	A Survivable and Reliable Network Topological Design Model Franco Robledo.
11h55 – 12h20	 Arnaud Knippel

SS 14 : Nonconvex and Discrete Optimization, Session organized by Jean B. Lasserre (LAAS, Toulouse, France)

Friday 21 10h15 – 11h55

10h15 – 10h40	A Branch-and-Cut Algorithm based on Semidefinite Programming for the Minimum k-Partition Problem. Bissan Ghaddar, Miguel Anjos, Frauke Liers.
10h40 – 11h05	Local Cuts for Non-Linear Programs with Binary Variables. Christoph Buchheim Frauke Liers, Marcus Oswald.
11h05 – 11h30	Solving polynomial least squares problems as polynomial semidefinite programs. Sunyoung Kim, Masakazu Kojima.
11h30 – 11h55	Spectral bounds for unconstrained (-1,1)-quadratic programming problems. Walid Ben-Ameur, Neto Jose.

SS 15 : Nonconvex Programming in Telecommunication, Session organized Jérôme Galtier (FranceTelecom/Orange, France)

Wednesday 19 11h30 – 12h45

11h30 – 11h55	Some approaches for team planning issues Jerome Galtier.
11h55 – 12h20	Integer Minkowski Programs and Telecommunication Problems Eisenschmidt Elke.
12h20 – 12h45	Global optimization of capacity expansion and flow assignment of data networks. Ricardo P. M. Ferreira, Henrique P. L. Luna, Philippe Mahey, Mauricio C. Souza.

MS 16 : Optimization in Data Mining, Mini-Symposium organized by LE THI Hoai An (Université Paul Verlaine, Metz, France)

MS 16.1 : Monday 17 13h50 – 15h30

13h50 – 14h15	Block Clustering by DC Programming and DCA Le Hoai Minh, Le Thi Hoai An, Huynh Van Ngai
14h15 – 14h40	Combining DCA and Decomposition Techniques for the Training of Non Positive Semi-Definite Kernels. François Bertrand Akoa.
14h40 – 15h05	Visualization of Data Acquired During Global Black Box Optimization Antanas Zilinskas, Julius Zilinskas.
15h05 – 15h30	Optimization in classification through lower-maximal dissimilarities François Brucker.

MS 16.2 : Thursday 20 11h05 – 12h20

11h05 – 11h30	Feature Selection via DC Programming and DCA Nguyen Van Vinh, Le Thi Hoai An, Le Hoai Minh, Pham Dinh Tao.
11h30 – 11h55	A survey on exact methods for minimum sum-of-squares clustering Pierre Hansen, Daniel Aloise.
11h55 – 12h20	Clustering and Visualization of textual data Faryel Allouti, Mohamed Nadif , Le Thi Hoai An, and Benoit Otjacques.

MS 17 : Optimization for Estimation and Filtering, Mini-Symposium organized by Tuan Duong Hoang (Uni. New South Wales, Australia)

MS 17.1 : Tuesday 18 8h30 – 9h45

8h30 – 8h55	Why is optimization for detection and filtering. Tuan Hoang Duong.
8h55 – 9h20	Nonsmooth optimization techniques for structured control design. Pierre Apkarian, Dominikus Noll.
9h20 – 9h45	New results on the complexity of multi-wavelength switching networks. Hung Ngo.

MS 17.2 : Tuesday 18 17h15 – 18h30

17h15 – 17h40	A Kalman-Particle Kernel Filter for Efficient Nonlinear Filtering. Dinh-Tuan Pham, Christian Musso, Karim Dahia.
17h40 – 18h05	Nonlinear Filtering for Linear Fractional Transformation Models. Syed Ahmed Pasha, Tuan Duong Hoang.
18h05 – 18h30	Gene Clustering on the Unit Hypersphere via Concave Programming. Vinh Nguyen Xuan, Tuan Duong Hoang, Tuy Hoang.

MS 17.3 : Wednesday 19 11h30 – 12h45

11h30 – 11h55	On the Applications of Monotonic Optimization in Wireless Communications. Duy Ngo, Khoa Phan, Le Ngoc Tho, Chintha Tellambura.
11h55 – 12h20	Spectrum Sharing in Radio Networks: A QoS-aware Approach with Admission Control. Khoa Phan.
12h20 – 12h45	Radar Interferometry with SARScape Software. Hadj Sahraoui Omar, Hassaine Benali, Serief Chahira.

SS 18 : Optimization with PDEs, Session organized by Michael Ulbrich (University Muenchen, Germany)

Monday 17 13h50 – 15h30

13h50 – 14h15	Multilevel Optimization Using Trust-Region and Linesearch Approaches. Philippe L. Toint, Serge Gratton, Mélodie Mouffe, Dimitri Tomanos.
14h15 – 14h40	Adaptive Multilevel Methods for PDE-Constrained Optimization. Stefan Ulbrich, Jan Carsten Ziems.
14h40 – 15h05	Interior Point Methods for State Constrained Optimal Control. Anton Schiela.
15h05 – 15h30	A Multigrid Semismooth Newton Method for Contact Problems in Linear Elasticity. Michael Ulbrich, Stefan Ulbrich.

MS 20 : Operational Research and Numerical Optimization, Mini Symposium organized by Adnan Yassine (Université du Havre, France)

MS 20.1 : Monday 17 16h50 – 18h30

16h50 – 17h15	On solving matrix equations by quasi-Newton methods. Boubakeur Benahmed, Hocine Mokhtar-Kharroubi.
17h15 – 17h40	Quasi-Newton Methods in infinite dimensional space and application to infinite linear systems. Boubakeur Benahmed, Hocine Mokhtar-Kharroubi, Adnan Yassine, Bruno De Malafosse.
17h40 – 18h05	Optimization by ant colony hybride for the bin-packing problem. Ahmed Ben Mohamed, Adnan Yassine.
18h05 – 18h30	A real-time Distributed System for solving the Transport On Demand Problem. Besma Zeddini, Adnan Yassine, Moncef Temani, Khaled Ghedira.

MS 20.2 : Tuesday 18 14h40 – 15h55

14h40 – 15h05	An optimization model for fork-lift trucks on the warehouse docks. Karim Ait Yahia, Adnan Yassine, Sérigne Gueye, Ali Kansou.
15h05 – 15h30	Surrogate Duality For Quasiconvex Quadratic Programming. Abdessamad Amir, Adnan Yassine.
15-30 – 15h55	Cover and lifting cuts for unconstrained quadratic 0-1 problems. Hassan Alabboud, Serigne Gueye, Adnan Yassine.

MS 20.3 : Friday 21 10h15 – 11h55

10h15 – 10h40	Resolution of the Mixed Capacitated Arc Routing Problem (MCARP) by the method of Ant Colony. Ali Kansou, Adnan Yassine.
10h40 – 11h05	Exams scheduling problem solving with Ant Colony Algorithm. Rachida Abounacer, Jaouad Boukachour, Btissam Dkhissi, Ahmed Elhilali Alaoui.
11h05 – 11h30	Analysis of portfolio optimization models. Lemrabott Mohamed, Adnan Yassine.
11h30 – 11h55	Sub-gradient algorithms and semidefinite programming for eigenvalue problems. Adnan Yassine, Hassan Alabboud.

MS 21 : Quasidifferentiability, Its Extensions and Applications, Mini-Symposium organized by V. Demyanov (University Saint Petersburg, Russia) and D. Pallaschke (University Karlsruhe, Germany)

MS 21.1 : Thursday 20 8h30 – 9h45

8h30 – 8h55	Exhausters and Implicit functions in Nonsmooth systems. Gulden Murzabekova.
8h55 – 9h20	On the calculus of Frechet subdifferentials by means of exhausters. Vera Roshchina.
9h20 – 9h45	On global unconstrained minimization of the difference of polyhedral functions. Lyudmila Polyakova.

MS 21.2 : Thursday 20 11h05 – 12h20

11h05 – 11h30	Optimality conditions in bilevel programming. Stephan Dempe, Boris S. Mordukhovich, Joydeep Dutta.
11h30 – 11h55	Pairs of compact convex sets: Part I Diethard Pallaschke
11h55 – 12h20	Pairs of compact convex sets: Part II Ryszard Urbanski

MS 22 : Reliability and Optimization in Structural Mechanic, Mini-Symposium organized by A. El Hami (Insa-Rouen, France)

MS 22.1 : Monday 17 11h05 – 12h20

11h05 – 11h30	A Hybrid Method for Solving Large-scale Nonconvex Disrete Constrained Optimization Problems. Wafae Elalem, Rachid Elaia, Abdelkhalak Elhami, Mohammed Soussi.
11h30 – 11h55	Mathematical Analysis of a Decomposed Topology Optimization of a Linear Structure A. Makrizi, B. Radi, and A. El Hami
11h55 – 12h20	Coupled perturbed projected gradient and genetic algorithm Mohamed Zeriab ES-Sadek, Eduardo Souza De Cursi, Rachid Ellaia

MS 22.2 : Tuesday 18 14h40 – 15h55

14h40 – 15h05	Probabilistic Design of Agricultural Machines Abo Alkheer A, Kharmanda G., and A. El Hami
15h05 – 15h30	AStochastic and Reliability Analysis for Fluid-Structure Interaction Problems O. Bendaou, J.E. Rojas, A. El Hami, A. Aannaque, M. Agouzoul.
15h30 – 15h55	Efficient Method for Reliability-Based Design Optimization Applied on Modal Analysis Kharmanda G., Makhloufi A., and A. El Hami

MS 22.3 : Tuesday 18 17h15 – 18h30

17h15 – 17h40	Stochastic Finite Element Treatment of the Contact Problem without Friction B. Radi, M. Sbaa and A. El Hami.
17h40 – 18h05	Structural reliability analysis of rectangular plates modelled by a Rayleigh-ritz approach. J. E. Rojas, A. El Hami and D. A. Rade
18h05 – 18h30	Nonlinearity Investigation of Reliability-Based Design Optimization for Stress Unilateral Structures Kharmanda G., Eduardo Souza De Cursi, and A. El Hami

SS 23 : Revealed Preference, Generalized Monotonicity and MPEC, Session organized by Jean-Pierre Crouzeix (Université Blaise Pascal, Clermont Ferrand, France)

Tuesday 18 17h15 – 18h30

17h15 – 17h40	A Best Fit MPEC Formulation of a Utility Estimation problem for General Equilibrium Models. Andrew Eberhard.
17h40 – 18h05	Nondifferentiable pseudoconvex functions, multivalued pseudomonotone maps and their applications in the revealed preference problem. Jean-Pierre Crouzeix.
18h05 – 18h30	A look at mathematical programs with complementarity constraints. Daniel Ralph.

MS 24 : Structured Optimization Problems and Methods, Mini-Symposium organized by José Mário Martínez (University Campinas, Brazil)

MS 24.1 : Monday 17 13h50 – 15h30

13h50 – 14h15	Portfolio optimization with transaction costs and price impact function. Natasa Krejic
14h15 – 14h40	Minimization with Nonconvex Constraints combining Inexact Restoration and Spectral Projected Gradients. Sandra Santos.
14h40 – 15h05	Trust Region Superposition Methods for LOVO Problems. Roberto Andreani.
15h05 – 15h30	A computational study of an algorithm for bilevel programming problems. Ana Friedlander.

MS 24.2 : Friday 10h15 – 11h55

10h15 – 10h40	Optimization methods for protein structural alignment. Leandro Martínez.
10h40 – 11h05	Robust free-derivative preconditioned residual methods for solving nonlinear systems. Jean-Paul Chehab.
11h05 – 11h30	Some optimization problems arising in molecular simulation. Eric Cances.
11h30 – 11h55	A robust estimator using continuous optimization for computer vision problems. Giovane Cear.

SS 25 : Transportation and Logistics, Session organized by Nguyen Viet Hung (University Marie Curie-Paris 6)

Monday 17 15h50 – 18h30

16h50 – 17h15	Industrial Vehicle Routing. Geir Hasle, Oddvar Kloster.
17h15 – 17h40	A Constraint Programming model for the Train Timetabling and Routing Problem. Olivier Liess, Serigne Gueye.
17h40 – 18h05	SAPI: Statistical Analysis of Propagation of Incidents A new approach applied to solve the railway rescheduling Problem. Rodrigo Acuna-Agost, Dominique Feillet , Serigne Gueye, Philippe Michelon.
18h05-18h30	A 0-1 mixed integer formulation for the Signal-optimization prob. Ngo Minh Tuan, Michel Minoux, Nguyen Viet Hung.

Contributed sessions

CS 1 : Bilevel programming / Semi Infinite Programming

Friday 21 10h15 – 11h30

10h15 – 10h40	Quadratic Fractional Quadratic Bilevel Programming Problem Nacera Maachou, Mustapha Moulaï.
10h40 – 11h05	Combination between penalty function method and difference convex algorithm for solving linear bilevel programming. Mohammed Said Radjef, Mohammed Houacine, Saida Haddadou.
11h05 – 11h30	A Finitely Terminating Explicit Exchange Method for Convex Semi-Infinite Programming. Liping Zhang, Soon-Yi Wu, Marco A. Lopez.

CS 2 : Bioinformatics

Thursday 20 14h40 – 15h55

14h40 – 15h05	Multi-Objective Optimization for Clustering 3-Way Gene Expression Data Doulaye Dembélé.
15h05 – 15h30	Variable Length Stochastic Acyclic Automata Applied for Multilocus Association Mapping in SNP Data Analyses. Tran Trang, Hoang Ngoc Minh
15h30 – 15h55	Hybrid Global-Local Optimization for Genetic Mapping of Multiple QTL. Kateryna Mishchenko, Volodymyr Mishchenko, Sverker Holmgren

CS 3 : Global optimization 1

Monday 17 11h05 – 12h20

11h05 – 11h30	A global approach for the optimal correction of an inconsistent linear system. Paula Amaral, Luís M. Fernandes, Joaquim Júdice, Hanif Sherali
11h30 – 11h55	Outer Approximation Algorithms for Nonconvex Programs with a Reverse Polar Constraint. Giancarlo Bigi, Antonio Frangioni, Qinghua Zhang.
11h55 – 12h20	A Multipoint Criterion for Deterministic Parallel Global Optimization based on Kriging. David Ginsbourger, Rodolphe LE RICHE, Laurent.

CS 4 : Global optimization 2

Tuesday 18 8h30 - 9h45

8h30 – 8h55	An Improved Exact Solver for Partial Max-SAT. Josep Argelich, Felip Manyà.
8h55 – 9h20	A general approach to convex maximization problems Dominique Fortin, Ider Tseveendorj.
9h20 – 9h45	Global optimization techniques for sensitivity and stability analysis of tree structured decision functions. Fulop Janos, Sandor Z. Nemeth.

CS 5 : Heuristic / Metaheuristic algorithms 1

Monday 17 11h05 – 12h20

11h05 – 11h30	A hybrid approach to three-dimensional container loading. Jiamin Liu, Zongran Dong, Yong Yue, Malcolm Keech.
11h30 – 11h55	A Hybrid Ant Colony Optimization Algorithm for the Location Routing Problem. Yannis Marinakis, Magdalene Marinaki.
11h55 – 12h20	Optimization of PID tuning parameters using Genetic Algorithm (GA) for a Higher order system. GirirajKumar S.M, Anatharaman N, Dharmalingam V, Asha Sunil.

CS 6 : Heuristic / Metaheuristic algorithms 2

Tuesday 18 14h40 – 15h55

14h40 – 15h05	Improvements in a Heuristic method for global optimization by using Solis and Wets Local search. Mohsen Gol Alikhani, Nikbakhsh Javadian.
15h05 – 15h30	Optimization of the registration of satellite images. Mehdi Damou,,Yacine Guessoum, Mohamed Yagouni.
15h30 – 15h55	Self-Calibrating Strategies for Evolutionary Approaches that solve Combinatorial Constraint Satisfaction Problems. Elizabeth Montero, Maria-Cristina Riff, Bertrand Neveu.

CS 7 : Industrial Engineering

Wednesday 8h30 – 10h10

8h30 – 8h55	Probabilistic model for assessment of flight predictability Hoang Trung Tuyen, Henri Ly, Pham Dinh Tao.
8h55 – 9h20	Electromagnetism, Scatter Search and electromagnetism Scatter for the Examination Timetabling Problem. Zahra Naji Azimi
9h20 – 9h45	A solution procedure to a multi-objective school bus routing problem using a modified version of scatter search. Zahra Naji Azimi, Hamed Reza Tareghian.
9h45 – 10h10	A technical and organizational twofold approach to software development and project manaement within the context of quality excellence. Henry Ly, Pham Dinh Tao.

CS 8 : Information and decision systems

Friday 21 10h15 – 11h30

10h15 – 10h40	Modelling of a Decisions Support System. Yasmina Ziari Kerboua, Laoucine Kerbache, Djamel Chaabane.
10h40 – 11h05	Optimal error due to the approximation in a priority queue. Louiza Bouallouche-Medkoune, Djamil Aïssani.
11h05 – 11h30	Performance Evaluation in a Queueing System M_2/G/1 with Preemptive Priority. Naima Hamadouche, Aissani Djamil.

CS 9 : Integer programming

Tuesday 18 11h05 – 12h20

11h05 – 11h30	When solution properties help to solve a sports league scheduling problem. Jean-Philippe Hamiez, Jin-Kao Hao
111h30 – 11h55	A variant of online bin packing: Variable sized bins with the constraint Largest items at the bottom. Nazahet Fellah, Méziane Aîder.
11h55 – 12h20	An arbitrary starting simplicial algorithm for computing an integer point in a class of polytopes. Chuangyin Dang.

CS 10 : Non linear programming

Friday 21 10h15 – 11h55

10h15 – 10h40	On the Computation of a Nonnegative Decomposition of a Matrix by Optimization Optimality Conditions For The switching System. Joaquim Judice, Ana Almeida.
10h40 – 11h05	Representation of Preference Relations on σ-Algebras of Nonatomic Measure Spaces: Convexity and Continuity. Nobusumi Sagara, Milan Vlach.
11h05 – 11h30	A Filter Sequential Quadratically Constrained Quadratic Programming method for Short Term Economic Dispatch. François Bertrand Akoa.
11h30 – 11h55	Higher order duality in nonlinear programming with cone constraints Jung Lee, Yu Jung Lee, Do Sang Kim.

CS 11 : Mathematical programming 1

Wednesday 19 11h30 – 12h45

11h30 – 11h55	Accurate and Efficient Second Derivatives for Mathematical Programming Uwe Naumann, Jan Riehme
11h55 – 12h20	Estimating the Minimal Value of a Function in Global Random Search Emily Hamiltonn, Anatoly Zhigljavsky
12h20 – 12h45	Automatic Differentiation for the Optimization of a Ship Propulsion and Steering System Ralf Leidenberger, Karsten Urban

CS 12 : Mathematical programming 2

Thursday 21 14h50 – 15h55

14h50 – 15h05	Identification of dipole sources in an elliptic equation from boundary measurements Ha Duong Tuong
15h05 – 15h30	On Non-convex Optimal Control Problems Alexander Strekalovskiy
15h30 – 15h55	On Robust Fitting of Curves and Sets of Curves (Jean-Philippe Tarel, Sio-Song Ieng, Pierre Charbonnier)

CS 13 : Mathematical programming 3

Friday 21 10h15 – 11h55

10h15 – 10h40	Solving a real polynomial equation in Bernstein Basis Zidna Ahmed
10h40 – 11h05	Estimation of the change-points of the mean residual life function Sara Diallo
11h05 – 11h30	Finding a strict feasible solution of a linear semidefinite program. Djamel Benterki, Abdelkrim Keraghel.
11h30 – 11h55	Sufficient conditions for the solution existence of quasivaritional inclusion problems Xuan Hai Nguyen, Phan Quoc Khanh

CS 14 : Multiobjective programming 1

Tuesday 18 17h15 – 18h30

17h15 – 17h40	Optimization over the Integer Efficient Set in the Criteria Space and the decision space. Djamal Chaabane
17h40 – 18h05	Second-Order Optimatity Conditions in Nonsmooth Multiobjective Optimisation Problems. Mohamed Hachimi, Brahim Aghezzaf
18h05 – 18h30	Optimality Conditions in Vector Optimization via Image Space Analysis. Giandomenico Mastroeni

CS 15 : Multiobjective programming 2

Thursday 20 8h30 – 9h45

8h30 – 8h55	Higher order duality in nonlinear programming with cone constraints. Hun Suk Kang, Hyo Jung Lee, Yu Jung Lee, Do Sang Kim.
8h55 – 9h20	A discrete multiobjective linear fractional optimization. Mohamed El Amine Chergui, Mustapha Moulai.
9h20 – 9h45	Optimality Conditions in Vector Optimization via Image Space Analysis. Giandomenico Mastroeni.

CS 16 : Operational Research

Tuesday 18 14h40 – 15h55

14h40 – 15h05	Contribution to the metaheuristic resolution of the complex problems in Combinatorial Optimization, case of the TSP. Mohamed Yagouni.
15h05 – 15h30	Optimizing QLQA graphs. Ahmed Hamadi, Hacene Ait Haddadene.
15h30 – 15h55	Quasi-Locally P*(w) graphs. Safia Zenia, Hacene Ait Haddadène.

CS 17 : Transportation Logistics

Friday 10h10 – 11h55

10h15 – 10h40	Integration of simulation-based and model-based calibrations of traffic micro-simulation models. Vincenzo Punzo, Biagio Ciuffo.
10h40 – 11h05	On minimization of time in two-stage Transportation Problem. Sonia Singh, Ankit Khandelwal.
11h05 – 11h30	Staged Decision Making in Transportation Problem. Sonia Singh, Ankit Khandelwal.
11h30 – 11h55	Optimization problem of the architecture of the tele-exploitation system of the gas transport network. Sadek Bouroubi.