

Monday, July 8

08:00-09:00	<b>REGISTRATION</b> <i>Room Salle d'Examen</i>				
09:00-09:10	<b>OPENING</b> <i>Room Grand Amphithéâtre</i>				
09:10-10:00	<b>Plenary talk 1: Network Models, Optimization and Control in Neurosciences</b> Speaker: <b>Panos M. Pardalos</b> Chairman: Tao Pham Dinh <i>Room Grand Amphithéâtre</i>				
10:00-10:30	<b>COFFEE BREAK</b> <i>Room Salle d'Examen</i>				
	<b>MM1: Continuous Optimization 1</b> <i>Chairman: Constantin Zalinescu Room BN2 – 001</i>	<b>MM2: SS - Optimization Methods under Uncertainty</b> <i>Chairman: Manuel Arana-Jimenez Room BN2 – 002</i>	<b>MM3: Machine Learning &amp; Big Data 1</b> <i>Chairman: Nicolas Dupin Room BN2 – 008</i>	<b>MM4: SS - Combinatorial Optimization &amp; Network Optimization 1</b> <i>Chairman: Viet Hung Nguyen Room BN2 - 011</i>	<b>MM5: SS - Quadratically constrained quadratic programming &amp; QCQP 1</b> <i>Chairman: Duan Li Room BN2 – 012</i>
10:30-10:55	<i>On constrained optimization problems solved using the canonical duality theory</i>  <b><u>Constantin Zalinescu</u></b>	<i>Fuzzy Pareto solutions in fully fuzzy multiobjective linear programming</i>  <b><u>Manuel Arana-Jimenez</u></b>	<i>A discretization algorithm for k-means with capacity constraints</i>  <b><u>Yicheng Xu</u></b> , Dachuan Xu, Dongmei Zhang, Yong Zhang	<i>Algorithm for optimal energy contract</i>  <b><u>David Wu</u></b> , Viet Hung Nguyen, Michel Minoux, Hai Tran	<i>On Conic Relaxations of Generalization of the Extended Trust Region Subproblem</i>  <b><u>Rujun Jiang</u></b> , Duan Li
10:55-11:20	<i>Solving mathematical programs with complementarity constraints with a penalization approach</i>  <b><u>Lina Abdallah</u></b> , Tangi Migot, Mounir Haddou	<i>Social Strategy of Particles in Optimization Problems</i>  <b><u>Bozena Borowska</u></b>	<i>k-medoid clustering is solvable in polynomial time for a 2d Pareto front</i>  <b><u>Nicolas Dupin</u></b> , Frank Nielsen, Talbi El-ghazali	<i>Reversed search maximum clique algorithm based on recoloring</i>  <b><u>Deniss Kumlander</u></b> , Aleksandr Porosin	<i>On Chebyshev Center of the Intersection of Two Ellipsoids</i>  Xiaoli Cen, <b><u>Yong Xia</u></b> , Runxuan Gao, Tianzhi Yang
11:20-11:45	<i>On Lagrange Duality for Several Classes of Nonconvex Optimization Problems</i>  <b><u>Monika Syga</u></b> , Ewa Bednarczuk	<i>Minimax Inequalities and Variational Equations</i>  <b><u>Ana Isabel Garralda-Guillem</u></b> , Manuel Ruiz Galan, María Isabel Berenguer, Domingo Gámez	<i>Local search yields a PTAS for the k-means problem with penalties</i>  <b><u>Fan Yuan</u></b> , Dachuan Xu, Donglei Du, Dongmei Zhang	<i>An experimental comparison of heuristic coloring algorithms in terms of found color classes on random graphs</i>  <b><u>Deniss Kumlander</u></b> , Aleksei Kulitškov	<i>Solving a type of the Tikhonov regularization of the total least squares by a new S-Lemma</i>  Huu-Quang Nguyen, <b><u>Ruey-Lin Sheu</u></b> , Yong Xia
11:45-13:05	<b>LUNCH</b>				
	<b>MA1: Continuous Optimization 2</b> <i>Chairman: Christoph Buchheim Room BN2 – 001</i>	<b>MA2: SS - Novel Technologies and Optimization for Last-Mile Logistics</b> <i>Chairman: Mahdi Moeini Room BN2 - 002</i>	<b>MA3: Machine Learning &amp; Big Data 2</b> <i>Chairman: Hung Phi Cao Room BN2 – 008</i>	<b>MA4: SS - Combinatorial Optimization &amp; Network Optimization 2</b> <i>Chairman: Viet Hung Nguyen Room BN2 - 010</i>	<b>MA5: SS - Quadratically constrained quadratic programming &amp; QCQP 2</b> <i>Chairman: Rujun Jiang Room BN2 – 012</i>

13:05-13:30	<i>Discrete Interval Adjoints in Unconstrained Global Optimization</i> <b>Jens Deussen</b> , Uwe Naumann	<i>A Genetic Algorithm for Solving the Truck-Drone-ATV Routing Problem</i> <b>Mahdi Moeini</b> , Hagen Salewski	<i>A Study on Graph-Structured Recurrent Neural Networks and Sparsification with Application to Epidemic Forecasting</i> <b>Zhijian Li</b> , Xiyang Luo, Bao Wang, Andrea Bertozzi, Jack Xin	<i>A horizontal method of localizing values of a linear function in permutation-based optimization</i> <b>Oksana Pichugina</b> , Liudmyla Koliechkina	<i>Semidefinite Programming based Convex Relaxation for Nonconvex Quadratically Constrained Quadratic Programming</i> <b>Duan Li</b>
13:30-13:55	<i>Tractable relaxations for the cubic one-spherical optimization problem</i> <b>Christoph Buchheim</b> , Marcia Fampa, Orlando Sarmiento	<i>The Traveling Salesman Drone Station Location Problem</i> <b>Daniel Schermer</b> , Mahdi Moeini, Oliver Wendt	<i>Automatic Identification of Intracranial Hemorrhage on CT/MRI Image Using Meta-Architectures Improved from Region-based CNN</i> <b>Thi Hoang Yen Le</b> , Anh Cang Phan, Hung Phi Cao, Thuong Cang Phan	<i>Sifting Edges to Accelerate the Computation of Absolute 1-Center in Graphs</i> Wei Ding, <b>Ke Qiu</b>	<i>Maximization of a Convex Quadratic Form on a Polytope: Factorization and the Chebyshev Norm Bounds</i> <b>Milan Hladík</b> , David Hartman
13:55-14:20	<i>A Convex Framework for Nonlinear Programming</i> <b>Manuel Ruiz Galan</b> , Pablo Montial Lopez	<i>Intelligent Solution System towards Parts Logistics Optimization</i> <b>Huang Yaoting</b> , Chen Boyu, Lu Wenlian, Jin Zhong-Xiao, Zheng Ren	<i>Face Recognition using Gabor wavelet in MapReduce and Spark</i> Anh Cang Phan, <b>Hung Phi Cao</b> , Ho Dat Tran, Thuong Cang Phan	<i>Edges elimination for traveling salesman problem based on frequency K5s</i> <b>Wang Yong</b>	<i>Towards the biconjugate of bivariate piecewise quadratic functions</i> Deepak Kumar, <b>Yves Lucet</b>
14:20-14:30	<b>Constantin Carathéodory Prize</b> <i>Room Grand Amphithéâtre</i>				
14:30-15:20	<b>Plenary talk 2: Tariffs and Quotas in Global Trade: What Networks, Game Theory, and Variational Inequalities Reveal</b> Speaker: <b>Anna Nagurney</b> Chairman: Yaroslav D. Sergeyev <i>Room Grand Amphithéâtre</i>				
15:20-16:10	<b>Plenary talk 3: Stochastic Global Optimization 2019</b> Speaker: <b>Anatoly Zhigljavsky</b> Chairman: Yaroslav D. Sergeyev <i>Room Grand Amphithéâtre</i>				
16:10-16:30	<b>COFFEE BREAK</b> <i>Room Salle d'Examen</i>				
16:30-18:00	<b>Visit Centre Pompidou</b>				

SS = Special Session

Tuesday, July 9

	<b>TM1: SS - DC programming &amp; DCA 1</b> <i>Chairman: Hoai An Le Thi Room BN2 – 001</i>	<b>TM2: SS - Computing, Engineering and Data Science 1</b> <i>Chairman: Raissa Uskenbayeva Room BN2 - 002</i>	<b>TM3: Machine Learning &amp; Big Data 3</b> <i>Chairman: Vinh Thanh Ho Room BN2 - 008</i>	<b>TM4: Multiobjective Programming 1</b> <i>Chairman: Styliani Avraamidou Room BN2 - 011</i>	<b>TM5: Discrete Optimization 1</b> <i>Chairman: Jon Lee Room BN2 - 012</i>
08:30-08:55	<i>Low-rank matrix recovery with Ky Fan 2-k-norm</i>  <b>Xuan Vinh Doan</b> , Stephen Vavasis	<i>Features of administrative and management processes modeling</i>  <b>Ryskhan Satybaldiyeva</b> , Raissa Uskenbayeva, Aiman Moldagulova, Zuldyz Kalpeyeva, Aygerim Aitim	<i>Globally Optimal Parsimoniously Lifting a Fuzzy Query Set Over a Taxonomy Tree</i>  <b>Dmitry Frolov</b> , Boris Mirkin, Susana Nascimento, Trevor Fenner	<i>A global optimization algorithm for the solution of tri-level mixed-integer quadratic programming problems</i>  <b>Styliani Avraamidou</b> , Efstratios Pistikopoulos	<i>Gaining or losing perspective</i>  Jon Lee, Daphne Skipper, <b>Emily Speakman</b>
08:55-09:20	<i>Online DCA for Times Series Forecasting using Artificial Neural Network</i>  <b>Viet Anh Nguyen</b> , Hoai An Le Thi	<i>Research of the relationship between business processes in production and logistics based on local models</i>  <b>Raissa Uskenbayeva</b> , Abu Kuandykov, Sabina Rakhmetulayeva, Aigerim Bolshibayeva	<i>A gray-box approach for curriculum learning</i>  Francesco Foglino, Matteo Leonetti, <b>Simone Sagratella</b> , Ruggiero Seccia	<i>A method for solving some class of multilevel multi-leader multi-follower programming problems</i>  Addis Belete Zewde, <b>Semu Mitiku Kassa</b>	<i>Game Equilibria and Transition Dynamics with Networks Unification</i>  Alexei Korolev, <b>Ilia Garmashov</b>
09:20-09:45	<i>Applications of Optimization Techniques beyond Convexity and the DCA to Continuous Multifacility Location Problems</i>  <b>Mau Nam Nguyen</b>	<i>The management of business process based on the tonality of the output information</i>  Raissa Uskenbayeva, <b>Sabina Rakhmetulayeva</b> , Aigerim Bolshibayeva		<i>Analytics-Based Decomposition of a Class of Bilevel Problems</i>  Steven Prestwich, <b>Adejuyigbe Fajemisin</b> , Laura Climent	<i>On proximity for k-regular mixed-integer linear optimization</i>  Jon Lee, <b>Luze Xu</b>
09:45-10:15	<b>COFFEE BREAK</b> <i>Room Salle d'Examen</i>				
10:20-11:10	<b>Plenary talk 4: The Role of Robust Optimization in Deriving Practible Solutions to Uncertain Optimization Problems</b> Speaker: <b>Aharon Ben-Tal</b> Chairman: Hoai An Le Thi <i>Room Grand Amphithéâtre</i>				
	<b>TM6: SS - DC programming &amp; DCA 2</b> <i>Chairman: Hoai Minh Le Room BN2 – 001</i>	<b>TM7: SS - Computing, Engineering and Data Science 2</b> <i>Chairman: Raissa Uskenbayeva Room BN2 – 002</i>	<b>TM8: Continuous Optimization 3</b> <i>Chairman: Ana M.A.C. Rocha Room BN2 - 008</i>	<b>TM9: Economics &amp; Finance</b> <i>Chairman: Vinh Thanh Ho Room BN2 - 011</i>	<b>TM10: Discrete Optimization 2</b> <i>Chairman: Marcia Fampa Room BN2 - 012</i>
11:15-11:40	<i>A DCA-based Approach for Outage Constrained Robust Secure Power-Splitting SWIPT MISO System</i>	<i>The practice of moving to Big Data on the case of the NoSQL database, Clickhouse</i>  <b>Baktagul Imasheva</b> , Azamat	<i>A Population-Based Stochastic Coordinate Descent Method</i>  <b>Ana M.A.C. Rocha</b> , M. Fernanda P. Costa, Edite M.G.P. Fernandes	<i>Asymptotically Exact Minimizations for Optimal Management of Public Finances</i>  Babacar Mbaye Ndiaye, Jean	<i>Modified Extended Cutting Plane Algorithm for Mixed Integer Nonlinear Programming</i>  Wendel Melo, <b>Marcia Fampa</b> ,

	<b>Phuong Anh Nguyen</b> , Hoai An Le Thi	Nakispeko, Andrey Sidelkovskiy, Ainur Sidelkovskaya		Koudi, <b>Guy Degla</b>	Fernanda Raupp
11:40-12:05	<i>A DC Algorithm for Solving Multiobjective Stochastic Problem via Exponential Utility Functions</i> <b>Ramzi Kasri</b> , Fatima Bellahcene	<i>Creation of data classification system for local administration</i> <b>Aiman Moldagulova</b> , Raissa Uskenbayeva, Nurzhan Mukazhanov	<i>Adaptive global optimization based on nested dimensionality reduction</i> <b>Konstantin Barkalov</b> , Ilya Lebedev	<i>Optimization problems of economic structural adjustment and problem of stability</i> Abdykappar Ashimov, <b>Yuriy Borovskiy</b> , Mukhit Onalbekov	<i>Generalized Surrogate Duality in Mixed-Integer Nonlinear Programming</i> <b>Benjamin Müller</b> , Gonzalo Muñoz, Maxime Gasse, Ambros Gleixner, Andrea Lodi
12:05-12:30	<i>DCA-Like, GA and MBO: A Novel Hybrid Approach for Binary Quadratic Programs</i> <b>Sara Samir</b> , Hoai An Le Thi, Mohammed Yagouni	<i>Pattern recognition with using effective algorithms and methods of computer vision library</i> <b>Samat Mukhanov</b> , Raissa Uskenbayeva	<i>New Dynamic Programming Approach to Global Optimization</i> <b>Andrzej Nowakowski</b> , Anna Kaźmierczak	<i>Sparsity and Performance Enhanced Markowitz Portfolios Using Second-Order Cone Programming</i> Noam Goldberg, <b>Ishy Zagdoun</b>	<i>Solving a MINLP with chance constraint using a Zhang's copula family</i> <b>Adriano Delfino</b>
12:30-14:00	<b>LUNCH</b>				
14:00-14:50	<b>Plenary talk 5: Optimality Conditions for nonlinear Conic Programs via Squared Slack Variables</b> Speaker: <b>Masao Fukushima</b> Chairman: Tao Pham Dinh Room Grand Amphithéâtre				
	<b>TA1: SS - DC programming and Machine Learning</b> Chairman: Yi-Shuai Niu Room BN2 – 001	<b>TA2: SS - Computing, Engineering and Data Science 3</b> Chairman: Sabina Rakhmetulayeva Room BN2 – 002	<b>TA3: Continuous Optimization 4</b> Chairman: Jon Lee Room BN2 - 008	<b>TA4: Energy &amp; Water Management 1</b> Chairman: Sophie Demassej Room BN2 – 011	<b>TA5: Discrete Optimization 3</b> Chairman: Stefan Vigerske Room BN2 - 012
14:55-15:20	<i>Parallel DC Cutting Plane Algorithms for Mixed Binary Linear Program</i> Yi-Shuai Niu, <b>Yu You</b> , Wen Zhuo Liu	<i>The method for managing inventory accounting</i> Sabina Rakhmetulayeva, <b>Kulyanda Duisebekova</b> , Dinara Kozhamzharova	<i>Diving for sparse partially-reflexive generalized inverses</i> <b>Jon Lee</b> , Marcia Fampa, Victor K. Fuentes	<i>Customer Clustering of French Transmission System Operator (RTE) Based on Their Electricity Consumption</i> Gabriel Da Silva, Hoai Minh Le, Hoai An Le Thi, Vincent Lefieux, <b>Bach Tran</b>	<i>Revising the handling of nonlinear constraints in SCIP</i> <b>Stefan Vigerske</b> , Ksenia Bestuzheva, Benjamin Müller, Felipe Serrano, Fabian Wegscheider
15:20-15:45	<i>Sentence Compression via DC Programming Approach</i> <b>Yi-Shuai Niu</b> , Xiwei Hu, Yu You, Faouzi Benammour, Hu Zhang	<i>Bayesian Optimization for Recommender System</i> Bruno Giovanni Galuzzi, Ilaria Giordani, Antonio Candelieri, Riccardo Perego, <b>Francesco Archetti</b>	<i>Concurrent topological optimization of a multi-component arm for a tube bending machine</i> Federico Ballo, Massimiliano Gobbi, <b>Giorgio Previati</b>	<i>Finding global-optimal gearbox designs for battery electric vehicles</i> <b>Philipp Leise</b> , Lena C. Altherr, Nicolai Simon, Peter F. Pelz	<i>On solving nonconvex MINLP problems with SHOT</i> <b>Lundell Andreas</b> , Jan Kronqvist

15:45-16:10	<i>Learning Sparse Neural Networks via L0 and TL1 by a Relaxed Variable Splitting Method with Application to Multi-scale Curve Classification</i> <b>Fanghui Xue</b> , Jack Xin	<i>Databases Coupling for Morphed-mesh Simulations and Application on Fan Optimal Design</i> Zebin Zhang, <b>Martin Buisson</b> , Pascal Ferrand, Manuel Henner	<i>Generalized risk parity portfolio optimization: An ADMM approach</i> Giorgio Costa, <b>Roy Kwon</b>	<i>Robust design of pumping stations in water distribution networks</i> Gratien Bonvin, <b>Sophie Demasse</b> y, Welington de Oliveira	<i>A sequential linear programming algorithm for continuous and mixed-integer nonconvex quadratic programming</i> <b>Mohand Bentobache</b> , Mohamed Telli, Abdelkader Mokhtari
16:10-16:40	<b>COFFEE BREAK</b> <i>Room Salle d'Examen</i>				
16:40-17:30	<b>Plenary talk 6: Global optimality certificates and tighter dual bounds by copositivity</b> Speaker: <b>Immanuel M. Bomze</b> Chairman: Anna Nagurney <i>Room Grand Amphithéâtre</i>				
	<b>TA6: Multiobjective Programming 2</b> <i>Chairman: Sergey Sergeev Room BN2 – 001</i>	<b>TA7: Energy &amp; Water Management 2</b> <i>Chairman: Mafawez Alharbi Room BN2 - 002</i>	<b>TA8: Metaheuristic Optimization 1</b> <i>Chairman: Lynda Sellami Room BN2 - 008</i>	<b>TA9: Transportation &amp; Resource Allocation 1</b> <i>Chairman: Joanna Berlinska Room BN2 - 011</i>	
17:35-18:00	<i>Necessary Optimality Condition for Nonlinear Interval Vector Programming Problem under B-arcwise Connected Functions</i> <b>Mohan Bir Subba</b> , Vinay Singh	<i>Randomized-variants heuristics for gas turbines aircraft engines</i> Mahdi Jemmali, Loai Kayed B.Melhim, <b>Mafawez Alharbi</b>	<i>Parallel Multi-Memetic Global Optimization Algorithm for Optimal Control of Polyarylenephthalide's Thermally-Stimulated Luminescence</i> <b>Maxim Sakharov</b> , Anatoly Karpenko	<i>Scheduling three identical parallel machines with capacity constraints</i> <b>Jian Sun</b> , Dachuan Xu, Ran Ma, Xiaoyan Zhang	
18:00-18:25	<i>Tropical analogues of a Dempe-Franke bilevel optimization problem</i> <b>Sergey Sergeev</b> , Zhengliang Liu	<i>Optimization of Real-Life Integrated Solar Desalination Water Supply System with Probability Functions</i> <b>Bayrammyrat Myradov</b>	<i>Workflow Scheduling based on Energy-Aware in a Cloud Computing environment using Non-dominated sorting genetic algorithm (NSGA-II)</i> Khaled Sellami, Rabah Kassa, <b>Lynda Sellami</b> , Pierre F. Tiako	<i>Two-machine Flow Shop with a Dynamic Storage Space and UET Operations</i> <b>Joanna Berlinska</b> , Alexandr Kononov, Yakov Zinder	
19:00-23:30	<b>BANQUET</b>				

SS = Special Session

Wednesday, July 10

	<p><b>WM1: SS - Sustainable Supply Chains and Logistics Networks</b>  <i>Chairman: Sophie Hennequin  Room BN2 – 001</i></p>	<p><b>WM2: SS - Uncertainty Quantification and Optimization 1</b>  <i>Chairman: Eduardo Souza de Cursi  Room BN2 – 002</i></p>	<p><b>WM3: Continuous Optimization 5</b>  <i>Chairman: Laurent Granvilliers  Room BN2 - 008</i></p>	<p><b>WM4: Energy &amp; Water Management 3</b>  <i>Chairman: Hoai Minh Le  Room BN2 - 011</i></p>	<p><b>WM5: Discrete Optimization 4</b>  <i>Chairman: Artur Mikiutiuk  Room BN2 - 012</i></p>
08:30-08:55	<p><i>Industrial symbioses: Bi-objective model and solution method</i></p> <p>Sophie Hennequin, <b>Vinh Thanh Ho</b>, Hoai An Le Thi, Hajar Nouinou, Daniel Roy</p>	<p><i>Statistics of Pareto Fronts</i></p> <p><b>Mohamed Bassi</b>, Eduardo Souza de Cursi, Emmanuel Pagnacco, Rachid Ellaia</p>	<p><i>An algorithm for the least squares Piecewise Convex/Concave Data Approximation problem</i></p> <p><b>Ioannis Demetriou</b></p>		<p><i>Modelling Dynamic Programming-Based Global Constraints in Constraint Programming</i></p> <p><b>Andrea Visentin</b>, Steven Prestwich, Roberto Rossi, Armagan Tarim</p>
08:55-09:20	<p><i>Spare parts management in the automotive industry considering sustainability</i></p> <p>David Alejandro Baez Diaz, Sophie Hennequin, <b>Daniel Roy</b></p>	<p><i>Uncertainty Quantification in optimization</i></p> <p><b>Eduardo Souza de Cursi</b>, Rafael Lopez</p>	<p><i>Filtering Domains of Factorable Functions using Interval Contractors</i></p> <p><b>Laurent Granvilliers</b></p>	<p><i>Data-Driven Beetle Antennae Search Algorithm for Electrical Power Modeling of a Combined Cycle Power Plant</i></p> <p><b>Tamal Ghosh</b>, Kristian Martinsen, Pranab Dan</p>	<p><i>Local Search Approaches with Different Problem-Specific Steps for Sensor Network Coverage Optimization</i></p> <p><b>Artur Mikiutiuk</b>, Krzysztof Trojanowski</p>
09:20-09:45		<p><i>Sensitivity analysis of load application methods for shell finite element models</i></p> <p><b>Wilson Javier Veloz Parra</b>, Younes Aoues, Didier Lemosse</p>	<p><i>On controlled variational inequalities involving convex functionals</i></p> <p><b>Savin Treanta</b></p>	<p><i>Location optimization of gas power plants by a Z-number data envelopment analysis</i></p> <p><b>Farnoosh Fakhari</b>, Reza Tavakkoli-Moghaddam, Maryam Tohidifard, Seyed Farid Ghaderi</p>	<p><i>Towards Multi-Tree Methods for Large-Scale Global Optimization</i></p> <p><b>Pavlo Muts</b>, Ivo Nowak</p>
09:45-10:15	<p><b>COFFEE BREAK</b>  Room Salle d'Examen</p>				
10:20-11:10	<p><b>Plenary talk 7: Extensions of Motzkin-Straus Formulation to Clique Relaxations</b>  Speaker: <b>Sergiy Butenko</b>  Chairman: Masao Fukushima  Room Grand Amphithéâtre</p>				
	<p><b>WM6: SS - Complementarity Problems: Applications, Theory and Algorithms</b>  <i>Chairman: Mounir Haddou  Room BN2 - 001</i></p>	<p><b>WM7: SS - Uncertainty Quantification and Optimization 2</b>  <i>Chairman: Eduardo Souza de Cursi  Room BN2 - 002</i></p>	<p><b>WM8: SS - Surrogate Global Optimization for Expensive Multimodal Functions</b>  <i>Chairman: Christine A. Shoemaker  Room BN2 - 008</i></p>	<p><b>WM9: Multiobjective Programming 3</b>  <i>Chairman: Nader Kanzi  Room BN2 - 011</i></p>	<p><b>WM10: Discrete Optimization 5</b>  <i>Chairman: Vinh Thanh Ho  Room BN2 - 012</i></p>



11:15-11:40	<p><i>Optimization and Complementarity Problems in Geochemistry</i></p> <p><b>Tangi Migot</b>, Jocelyne Erhel</p>	<p><i>Risk models-based on Uncertainty Quantification for illicit traffic time series in customs context</i></p> <p><b>Lamia Hammadi</b>, Eduardo Souza de Cursi, Vlad Stefan Barbu, Abdellah Ait Ouahman</p>	<p><i>A Survey of Surrogate Approaches for Expensive Constrained Black-Box Optimization</i></p> <p><b>Rommel Regis</b></p>	<p><i><math>\Phi</math>-Weak Slater Constraint Qualification in Nonsmooth Multiobjective Semi-Infinite Programming</i></p> <p>Caristi Giuseppe, Ali Sadeghieh, <b>Nader Kanzi</b>, David Barilla</p>	<p><i>Stochastic Greedy Algorithm Is Still Good: Maximizing Submodular + Supermodular Functions</i></p> <p>Sai Ji, Dachuan Xu, Min Li, <b>Yishui Wang</b>, Dongmei Zhang</p>
11:40-12:05	<p><i>A new strategy for solving nonlinear complementarity problems arising in thermodynamics of compositional multiphase mixtures</i></p> <p>Duc Thach Son Vu, Ibtihel Ben Gharbia, <b>Mounir Haddou</b>, Quang Huy Tran</p>	<p><i>Uncertainty quantification in serviceability of impacted steel pipe</i></p> <p>Renata Troian, Leila Khakij, <b>Didier Lemosse</b></p>	<p><i>SOP-Hybrid: A Parallel Surrogate-based Candidate Search Algorithm for Expensive Optimization on Large Parallel Clusters</i></p> <p>Taimoor Akhtar, <b>Christine A. Shoemaker</b></p>	<p><i>KMCGO: Kriging-assisted Multi-objective Constrained Global Optimization</i></p> <p><b>Yaohui Li</b>, Yizhong Wu, Yuanmin Zhang, Shuting Wang</p>	<p><i>Cliques for multi-term linearization of 0-1 multilinear program for Boolean logical pattern generation</i></p> <p><b>Kedong Yan</b>, Hong Ryoo</p>
12:05-12:30	<p><i>A Differential Inclusion Approach to Mineral Precipitation-Dissolution Reactions in Geochemistry</i></p> <p><b>Bastien Hamlat</b>, Tangi Migot, Jocelyne Erhel, Anthony Michel</p>	<p><i>Application of PLS technique to optimization of the formulation of a geo-eco-material</i></p> <p><b>Saber Imanzadeh</b>, Armelle Jarno, Said Taibi</p>	<p><i>Surrogate Many Objective Optimization: Combining Evolutionary Search, <math>\epsilon</math>-dominance and Connected Restarts</i></p> <p>Taimoor Akhtar, Christine A. Shoemaker, <b>Wenyu Wang</b></p>	<p><i>A mixture design of experiments approach for genetic algorithm tuning applied to multi-objective optimization</i></p> <p><b>Taynara Incerti de Paula</b>, Guilherme Ferreira Gomes, José Henrique de Freitas Gomes, Anderson Paulo de Paiva</p>	<p><i>Solving the Problem of Coordination and Control of Multiple UAVs by using the Column Generation Method</i></p> <p>Duc Manh Nguyen, Frédéric Dambreville, Abdelmalek Toumi, Jean-Christophe Cexus, Ali Khenchaf</p>
12:30-14:00	<b>LUNCH</b>				
	<p><b>WA1: SS- Spline Approximation &amp; Optimization</b> Chairman: Ahmed Zidna Room BN2 – 001</p>	<p><b>WA2: SS - Uncertainty Quantification and Optimization 3</b> Chairman: Eduardo Souza de Cursi Room BN2 - 002</p>	<p><b>WA3: Metaheuristic Optimization 2</b> Chairman: Abdel-Rahman Hedar Room BN2 - 008</p>	<p><b>WA4: Transportation &amp; Resource Allocation 2</b> Chairman: Boglárka G.-Tóth Room BN2 - 011</p>	<p><b>WA5: Multiobjective Programming 4</b> Chairman: Shi Jianming Room BN2 - 012</p>
14:00-14:25	<p><i>Resistive switching devices to mimic biological synapses, a modeling approach based on smoothing splines</i></p> <p><b>Domingo Barrera</b>, Pedro Gonzalez-Rodelas, Francisco Jiménez-Molinos, María José Ibáñez, David Maldonado, Juan B. Roldán</p>	<p><i>A hybrid simplex search for global optimization with representation formula and genetic algorithm</i></p> <p>Hafid Zidani, <b>Ellaia Rachid</b>, Eduardo Souza de Cursi</p>	<p><i>Proper Choice of Control Parameters for CoDE Algorithm</i></p> <p>Petr Bujok, <b>Daniela Einšpiglová</b>, Hana Zámečníková</p>	<p><i>A continuous competitive facility location and design problem for firm expansion</i></p> <p><b>Boglárka G.-Tóth</b>, Laura Anton-Sanchez, José Fernández Hernández, Juana L. Redondo, Pilar M. Ortigosa</p>	<p><i>A Numerical Study on MIP Approaches over the Efficient Set</i></p> <p><b>Lu Kuan</b>, Mizuno Shinji, Shi Jianming</p>

14:25-14:50	<i>The Bernstein polynomials based globally optimal nonlinear model predictive control</i>  Bhagyesh Patil, Ashok Krishnan, <b><u>Y. S. Eddy Foo</u></b> , Ahmed Zidna	<i>Stochastic Tunneling for Improving the Efficiency of Stochastic Efficient Global Optimization</i>  Fabio Nascentes, Rafael Lopez, Rubens Sampaio, <b><u>Eduardo Souza de Cursi</u></b>	<i>Leveraging Local Optima Network Properties for Memetic Differential Evolution</i>  <b><u>Viktor Homolya</u></b> , Tamas Vinko	<i>A planning problem with resource constraints in Health Simulation Center</i>  <b><u>Simon Caillard</u></b> , Laure Brisoux Devendeville, Corinne Lucet	<i>Multistage Global Search Using Various Scalarization Schemes in Multicriteria Optimization Problems</i>  <b><u>Victor Gergel</u></b> , Evgeniy Kozinov
14:50-15:15		<i>Kriging-Based Reliability-Based Design Optimization Using Single Loop Approach</i>  <b><u>Zhang Hongbo</u></b> , Younes Aoues, Hao Bai, Didier Lemosse, Souza De Cursi Eduardo	<i>Global Sensing Search</i>  <b><u>Abdel-Rahman Hedar</u></b>	<i>Optimal Air Traffic Flow Management with Carbon Emissions Considerations</i>  <b><u>Sadeque Hamdan</u></b> , Oualid Jouini, Ali Cheaitou, Zied Jemai, Imad Alsyouf, Maamar Bettayeb	<i>On the application of nonsmooth vector optimization problem to solve generalized vector variational inequalities using convexificators</i>  <b><u>Balendu Bhooshan Upadhyay</u></b> , Priyanka Mishra, R.N. Mohapatra, Shashi Kant Mishra
15:15-15:45	<b>COFFEE BREAK/CLOSING</b> <i>Room Salle d'Examen</i>				

**SS = Special Session**