

**Third International Conference on Multidisciplinary Design Optimization and Applications
21-23 June 2010, PARIS , France**

Monday 21 June		Tuesday 22 June		Wednesday 23 June	
08:00 - 09:30	Registration	09:00 - 09:30	Registration	09:00 - 09:30	Registration
09:30 - 10:00	Opening Ceremony	09:30 - 10:15	Dr. Stephane Grihon	09:30 - 10:15	Prof. WeiHong Zhang
10:00 - 10:45	Prof. Zafer Gürdal	10:15 - 10:40	Coffee Break	10:15 - 10:40	Coffee Break
10:45 - 11:10	Coffee Break	10:40 - 12:00	Parallel Session G & H	10:40 - 12:20	Parallel Session M & N
11:15 - 12:15	Parallel Session A & B	12:15 - 13:45	Lunch	12:30 - 14:15	Lunch
12:30 - 13:45	Lunch	14:00 - 14:45	Prof. Hui Tong Chua	14:30 - 16:00	ASMDO Gen. Meeting
14:00 - 14:45	Prof. Joseph Zarka	14:45 - 16:05	Parallel Session I & J		
14:45 - 16:05	Parallel Session C & D	16:05 -16:30	Coffee Break		
16:05 -16:30	Coffee Break	16:30 -17:50	Parallel Session K & L		
16:30-18:10	Parallel Session E & F	18:00 -18:30	CADLM Award Prizes Session		
		20:00 -23:00	Gala Dinner		

Professor H. Tong CHUA : The University of Western Australia, Australia

Dr. S. Grihon : AIRBUS, Toulouse, France

Professor Z. Gürdal : Delft University of Technology, The Netherlands

Professor J. Zarka : CADLM, Paris, France

Professor WH Zhang : Norwestern Polytechnical University, Xian Chine

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Monday 21 June	
08:00 - 09:30	Registration
09:30 - 10:00	Opening Ceremony
10:00 - 10:45	Plenary Lecture : Prof. Zafer Gürdal
10:45 - 11:10	Coffee Break
Session A	
11:15 - 11:35	GOAL : An Industrial MDO Platform Used to Design Expendable Launchers LEMAIRE François , COLLANGE Guillaume
11:35 - 11:55	Interactive Methods of MDO : Application to Chemical Engineering Problems A. MOSAVI
11:55 - 12:15	Multidisciplinary Design Optimization of a Multi-Stage Launch Vehicle Using Flight Phases Decomposition BALESDENT Mathieu, BEREND Nicolas, DEPINCE Philippe, CHRIETTE Abdelhamid
Session B	
11:15 - 11:35	Reliability Based Structural and Aeroelastic Optimization of Aircraft Wing with Multidisciplinary Code Coupling NIKBAY Melike, FAKKUSOGLU Necati, TANIR Emre
11:35 - 11:55	Design and Optimization of an Unmanned Air Vehicule VEDRINES Marc, KIEFFER Renaud
11:55 - 12:15	Automatic Generation of Computer Models Through the Integration of Production Systems Design Software Tools VIK Pavel, DIAS Luís , PEREIRA Guilherme
12:30 - 13:45	Lunch
14:00 - 14:45	Plenary Lecture : Prof. Joseph ZARKA A Special Environment for Intelligent Optimal Design in Mechatronic
Session C	
14:45 - 15:05	Rogowski Coil Design Optimization for Partial Discharges Detection in Medium Voltage Underground Cables using Self Organizing Maps COTO ALADRO Jose, COTO GARCIA Manuel, ARBOLEYA ARBOLEYA Pablo
15:05 - 15:25	Design Multi-physics simulation and Optimization of Modular Products ROBERT Aurélie, ROTH Sébastien, DEMOLY Frédéric, LEBAAL Nadhir, SCHLEGEL Daniel, GOMES Samuel
15:25 - 15:45	Intelligent Kernels : Innovation Using "knowledge capital" NAVIDI Pierre
15:45 - 16:00	Preliminary Structural sizing of a Modular Microsatellite Based on System Engineering Considerations RAVANBAKHSH Ali
Session D	
14:45 - 15:05	Optimization of Unicondylar Knee Replacement According to Contact Pressure CAPEK Lukas, ACKERMANN Michal
15:05 - 15:25	Multi-Objective Optimization for Manufacturing Process Design : Applications in Roll-to-roll Systems KNITTEL Dominique, FRECHARD Jonathan
15:25 - 15:45	Computational Strategy for Multiobjective Optimization of Industrial Structures FX. IRISARRI, F. LAURIN, F-H. LEROY, J-F. MAIRE
15:45 - 16:00	Optimization of the process of environmentally friendly civil engineering materials : experimental and numerical modeling of the rheological behaviour of hydrated silicate raw materials under loads E. Padayodi, K-E Atcholi, Y. Gagou, D. Bassir,A. Bennabi, J. Vantomme
16:00 -16:30	Coffee Break
Session E	
16:30-16:50	Identification of Free Vibration of the Uniovi Benchmark ZAPICO Jose Luis, M.P. GONZALEZ-MARTINEZA, M. GARCIA-DIEGUEZ, J. ABAD-BLASCOS
16:50-17:10	Optimum Design of Bended Stiffened Plates and Shells VIRAG Zoltán, JARMAI Károly, FARKAS József
17:10-17:30	Comparison of Minimum Cost and Weight Design of Welded Structures FARKAS Jozsef, JARMAI Karoly
17:30-17:50	On a Stochastic Model for Aneurysmal Aortic Wall Stress Computation EDDHAHAK A., MOHAND-KACI F., DAI J., Allaire E., ZIDI M.
17:50-18:10	Improved Computational Efficiency for Integrated Layout Design ZHU Jihong, ZHANG Weihong, XIA Liang
Session F	
16:30-16:50	Identification of Elastic Properties of Biocomposites Reinforced Using Glass Silica Beads : Experimental Contribution and FE/neutral Network Strategy for Determining the Interphase Effect GUESSASMA Sofiane
16:50-17:10	Detection of Debondings in FRP-strengthened Reinforced Concrete Beams PERERA Ricardo
17:10-17:30	A New Approach of Reliability-based Design Optimization in Embedded Electronics and Mechatronic System A. EI HAMI
17:30-17:50	Optimization of the Development of Environment Friendly Civil Engineering Materials : Experimental and Numerical Modeling of the Rheological Behavior of Hydrated Silicate Raw Materials Under Loads PADAYODI Thomas
17:50-18:10	Sizing Optimization of Contacting Pins Used in Registered Jacks CHEN Kun-Nan

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Tuesday 22 June	
09:00 - 09:30	Registration
09:30 - 10:15	Plenary Lecture : Dr. Stephane Grihon Multidisciplinary Optimization & Applications at AIRBUS
10:15 - 10:40	Coffee Break
Session G	
10:40 - 11:00	Structural and Aeroelastic Identification of Composite ARW-2 Wing Model NIKBAY Melike, GUR Firat
11:00 - 11:20	SimPhy/mec - An Interactive Finite Element Program to Solve Non-linear Mechanics Problem FENG Zhi-Qiang
11:20 - 11:40	Optimum Design of Composite Wind Turbine Blades Using a Two-step Procedure CHEN Kun-Nan
11:40 - 12:00	Dynamic Analysis of a Commercial Vehicle Suspension System Integrated with Design of Experiments Methodology OLCEROGLU Emre, DURUKAL Can
Session H	
10:40 - 11:00	Analysis of the Pull-in voltage in Capacitive Mechanical Sensors LARDIES Joseph, ARBEY Olivia
11:00 - 11:20	A Multi-level Evolutionary Design Optimization of MEMS : Methodology and Application E. BENKHELIFA
11:20 - 11:40	Modeling of Radiative Heat Transfer Coefficient in Circulating Fluidized Bed RASOULI Saeid
11:40 - 12:00	Localization of Radiating Sources by an Acoustical Array LARDIES Joseph, MA Hua
12:15 - 13:45	Lunch
14:00 - 14:45	Plenary Lecture : Prof. Hui Tong Chua Direct Use of Low Temperature Geothermal Energy for Air Conditioning
Session I	
14:45 - 15:05	Simulation Lifecycle Management for Multidisciplinary Design Optimization (MDO) with CAD and CAE Applications KRABCHI Frederic, HARDY Olivier, OUBENSAID Hassan
15:05 - 15:25	Optimization Techniques to Improve the Management of a Distribution Fleet in the Steel Industry FERNANDEZ ALZUETA Silvino, DIAZ FIDALGO Diego
15:25 - 15:45	Assessment of a probabilistic parametric rheological model to predict the rutting resistance of bitumen EDDHAHAK-OUNI Anissa, DONY Anne, COLIN Johan
15:45 - 16:05	Optimum Design and Measurements of Steel Structures for Fire Safety JARMAI Karoly, SZAVA Janos, FARKAS Jozsef, DANI Peter
Session J	
14:45 - 15:05	Optimization of the Combined Functioning of a Pumped-Storage Hydro-plant and a Wind Park BAYON Luis, GRAU Jose, RUIZ Maria
15:05 - 15:25	Mechanical Design Optimization of a Pendulum Dancer in an Elastic Web Winder VEDRINES Marc, KNITTEL Dominique
15:25 - 15:45	Obtaining of the Approximate Workspace of Parallel Planar Robots NORIEGA Álvaro, VIJANDE Ricardo, CORTIZO Jose Luis, RODRIGUEZ Eduardo, SIERRA Jose Manuel
15:45 - 16:05	Experimental Research and Numerical Simulation of Mechanical Response of Cord-rubber Composites PETRIKOVA Iva, MARVALOVA Bohdana
16:05 -16:30	Coffee Break
Session K	
16:30-16:50	On Theoretical and Practical Convergence of Discrete Directions Mutation Evolution Strategy NORIEGA Álvaro, FERNANDEZ Rocío, RODRIGUEZ Eduardo, CORTIZO Jose Luis, GARCIA Alberto
16:50-17:10	New approach of multi scale modeling based on the hygro-Cosserat theory : Application for cement mortar J.JEONG, P. MOUNANGA, H. RAMEZANI, M. BOUASKER, D. BASSIR
17:10-17:30	Multidisciplinary Design Optimization of an Accumulator For a Large Elasticity Range of Flexible Webs KNITTEL Dominique, KUHM David
17:30-17:50	Investigation on Buckling of Orthotropic Circular and Annular Plates of Continuously Variable Thickness by Optimized Ritz Method FARHATNIA Fatemeh , GOLSHAH Arash
Session L	
16:30-16:50	Virtual Model for Building : Application in the Framework of COMMUNIC Project F. MALAVERGNE
16:50-17:10	New Approach of 3D modeling for Thermal analysis and its application to Urban Area KAPOOR Mudit, BASSIR David, GHOSH Sanjay Kumar, KHREIM Jean-Francois El MEOUCHE Rani, HENRY Anne-laure
17:10-17:30	Environmental Friendly Reclaimed Asphalt Concrete : Visualization, Characterization and Performances NAVARO Julien, BRUNEAU Denis, COLIN Johan, DONY Anne
17:30-17:50	Simulation in Building and Construction BELTRAN Trino
CADLM Award Prizes Session	
18:00-18:15	Confidence single-level formulation in structural robust optimization and its solution aspect GUO Xu, NIU Bin
18:15-18:30	Isogeometric Analysis and Design ABDELLAH Mostafa
20:00-23:00	Gala Dinner

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08:00 - 09:30	Registration
09:30 - 10:15	Plenary Lecture : Prof. WeiHong Zhang
10:15 - 10:40	Coffee Break
	Session M
10:40 - 11:00	Adaptation of a Genetic Algorithm for Micro-Scale Truss Optimization PRENDES GERO María Belén , DROUET Jean-Marc
11:00 - 11:20	Optimization of Source-Wire-Gas Systems for Efficient Robot Welding HUDEC Zdenek
11:20 - 11:40	Investigation on Buckling of Orthotropic Circular and Annular Plates of Continuously Variable Thickness by Optimized Ritz Method FARHATNIA Fatemeh , GOLSHAH Arash
11:40 - 12:00	Modeling and Optimization of an Urban Flow Network with a Multicriteria Approach REZOUG Mehdi, KHREIM Jean-François, EI MEOUCHE Rani, FENG Zhi-Qiang, BASSIR David
12:00 - 12:20	Multidisciplinary Design Optimization Using Variable Fidelity Modeling: Application to a Wing Based on High Fidelity Models ZADEH PARVIZ Mohammad, MEHMANI Ali
12:20 - 14:15	Lunch
14:30 - 16:00	ASMDO Gen. Meeting