

**Program of the XII Global Optimization Workshop
Mathematical Applied Global Optimization. MAGO 2014.
Malaga, 1- 4 September 2014**



Leocadio G. Casado
Inmaculada García
Eligius M.T. Hendrix



**Program of the XII Global Optimization Workshop (GOW)
Mathematical Applied Global Optimization. MAGO 2014.
Málaga, 1 - 4 September 2014**

	Sunday, 31-08-2014	Monday, 01-09-2014	Tuesday, 02-09-2014	Wednesday, 03-09-2014	Thursday, 04-09-2014
9:00		Registration			
9:30		Opening Session	Scientific Session	Scientific Session	Scientific Session
10:00		Introductory Talk			
10:30			Coffee Break	Coffee Break	Coffee Break
11:00		Coffee Break			
11:30		Scientific Session	Scientific Session	Scientific Session	Scientific Session
12:00					
12:30					
13:00		Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:30					
14:00		Scientific Session	Scientific Session	Scientific Session	Scientific Session
14:30					
15:00		Scientific Session	Scientific Session	Scientific Session	Scientific Session
15:30					Presentation of candidates for next GOW and Closure
16:00		Coffee Break	Coffee Break		
16:30					
17:00		Scientific Session	Scientific Session		
17:30					
18:00				Touristic Visit Boat tour	
19:00	Registration and getting together party	Touristic Visit Alcazaba			
20:00					
21:00			Official Dinner		

Sunday, 31-08-2014

19:00-21:00 Registration and getting together party at [PIMPI](#).

Monday, 1-09-2014

9:30-10.00 Opening Session.

10:00-11:00 Introductory Talk

- **Panos Pardalos**. Progress and Challenging Problems in Global Optimization.

11:00-11:30 Coffee Break

11:30-13:00 Scientific Session 1

- **Tibor Csendes** and István Bársony. Optimization in Surgical Operation Design.
- **Sonia Cafieri**. Maximizing the number of solved aircraft conflicts through velocity regulation
- **Guillaume Guérard** and Ider Tseveendorj. Largest Inscribed Ball and Minimal Enclosing Box for Convex Maximization Problems.

13:00-14:30 Lunch Break

14:30-16:00 Scientific Session 2

- **Immanuel M. Bomze** and Michael L. Overton. Narrowing the difficulty gap for the Celis-Dennis-Tapia problem.
- **Paula Amaral**. On Fractional Quadratic Problems
- **Satafa Sanogo** and Frédéric Messine. Design of Space Thrusters: a Topology Optimization Problem solved via a Branch and Bound Method.

16:00-16:30 Coffee Break

16:30-18:00 Scientific Session 3

- **Milan Hladík**. An Extension of the α BB-type Underestimation to Linear Parametric Hessian Matrices.
- **Tamás Vinkó** and Kitti Gelle Networks of Optimization Methods and Problems
- **Stefan Vigerske**. MINLPLib 2.

19:00-20:00 Touristic Visit to the [Alcazaba](#).

Tuesday, 2-09-2014

9:00-10:30 Scientific Session 4

- **Yaroslav D. Sergeyev**. An Introduction to Lipschitz Global Optimization
- **Daniela Lera** and Yaroslav D. Sergeyev. Global minimization using space-filling curves
- **Dmitri E. Kvasov** and Yaroslav D. Sergeyev. Lipschitz Global Optimization with Derivatives

10:30-11:00 Coffee Break

11:00-13:00 Scientific Session 5

- **Christine Edman**. Solution methods for expensive optimization problems.
- **Ana Maria A.C. Rocha**, M. Fernanda P. Costa, and Edite M.G.P. Fernandes, Two-Swarm Cooperative Artificial Fish Algorithm for Bound Constrained Global Optimization
- **Dag Haugland**. The hardness of the pooling problem
- Éverton Santi, **Daniel Aloise** and Simon J. Blanchard. A Variable Neighborhood Search Matheuristic for the Heterogeneous P-Median Problem.

13:00-14:30 Lunch Break

14:30-16:00 Scientific Session 6

- **Andreas Lundell**, Jan Kronqvist, and Tapio Westerlund, An extended supporting hyperplane algorithm for convex MINLP problems
- **Ivo Nowak**. Parallel Decomposition Methods for Nonconvex Optimization Recent Advances and New Directions
- Emilio Carrizosa and **Frederic Messine**. A branch and bound method for global robust optimization

16:00-16:30 Coffee Break

16:30-18:00 Scientific Session 7

- **Alejandro G. Alcoba**, Eligius M.T. Hendrix, Inmaculada García, Karen .G.J. Pauls-Worm, and Rene. Haijema. On computing order quantities for perishable inventory control with non-stationary demand.
- **Roberto Rossi**, Onur A. Kilic, and S. Armagan Tarim. A mixed integer linear programming heuristic for computing nonstationary (s,S) policy parameters
- Roberto Rossi and **Eligius M.T. Hendrix**. Piecewise linearisation of the first order loss function for families of arbitrarily distributed random variables.

21:00 Official Dinner at [Parador de Gibralfaro](#).

Wednesday 3-09-2014

9:00-10:30 Scientific Session 8

- Austin Buchanan, Jose L. Walteros, **Sergiy Butenko** and Panos M. Pardalos. Solving Integer Programs with Dense Conflict Graphs.
- Claudia D'Ambrosio, Vu Khac Ky, Carlile Lavor, **Leo Liberti**, and Nelson Maculan, Computational experience on Distance Geometry Problems 2.0.
- Bertrand Neveu, **Gilles Trombettoni**, and Ignacio Araya. Node Selection Heuristics Using the Upper Bound in Interval Branch and Bound.

10:30-11:00 Coffee Break

11:00-13:00 Scientific Session 9

- **José Fernández**, Aranzazu G. Arrondo, Juana L. Redondo, and Pilar M. Ortigosa. A tri-objective model for franchise expansion.
- Emilio Carrizosa, **Amaya Nogales-Gómez**, and Dolores Romero Morales. Clustering Categories in Support Vector Machines.
- Rafael Blanquero, Emilio Carrizosa, **María Asunción Jimenez-Cordero** and Boglárka G.-Tóth. Global Optimization in Inference of Chemical Reaction Networks of Chemical Reaction Networks.
- Robert Aboolian, Emilio Carrizosa and **Vanesa Guerrero**. An Efficient Approach for Solving Uncapacitated Facility Location Models with Concave Operating Costs.

13:00-14:30 Lunch Break

14:30-16:00 Scientific Session 10

- **Juan Francisco R. Herrera**, Leocadio G. Casado, and Eligius M. T. Hendrix. On longest edge division in simplicial branch and bound.
- **Guillermo Aparicio**, Leocadio G. Casado, Eligius M.T. Hendrix, Inmaculada García, and Boglarka G.-Tóth On the minimum number of simplices in a longest edge bisection refinement of a unit simplex.
- **Leocadio G. Casado**, Boglárka G.-Tóth, Eligius M.T. Hendrix, and Inmaculada García. Regular Simplex Refinement by Regular Simplices.

18:00-19:00 [Touristic Visit Boat tour](#)

Thursday 4-09-2014

9:00-10:30 Scientific Session 11

- **Emilio Carrizosa**, Vanesa Guerrero Lozano and Dolores Romero Morales. Visualizing Adjacency in Graphs by Pie Charts and Relatives.
- **Boglarka G.-Toth**. Rafael Blanquero and Emilio Carrizosa. Covering problems with continuous demand.
- A.G. Arrondo, **J.L. Redondo**, J.Fernández, B.G. Tóth, and P.M. Ortigosa. Planar facility location with probabilistic outer competition and deterministic inner competition.

10:30-11:00 Coffee Break

11:00-12:30 Scientific Session 12

- Jan Kuratko and **Stefan Ratschan**. Falsification of Hybrid Dynamical Systems Using Global Optimization Techniques
- **Jordan Ninin** and Gilles Chabert. Global Optimization based on Contractor Programming
- **Montaz M. Ali**, Adam Earle, and Dario Fanucchi. A probabilistic algorithm for L-infinity norm solution of under-determined algebraic systems of linear equation

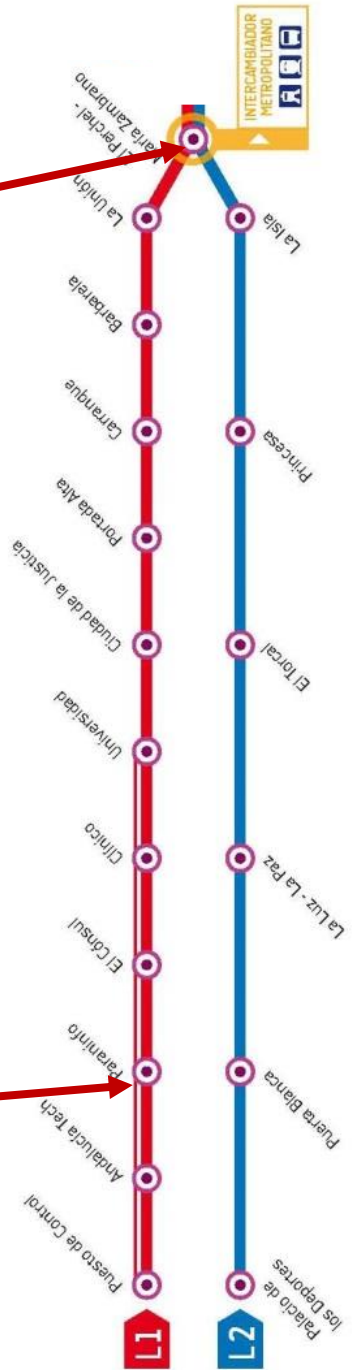
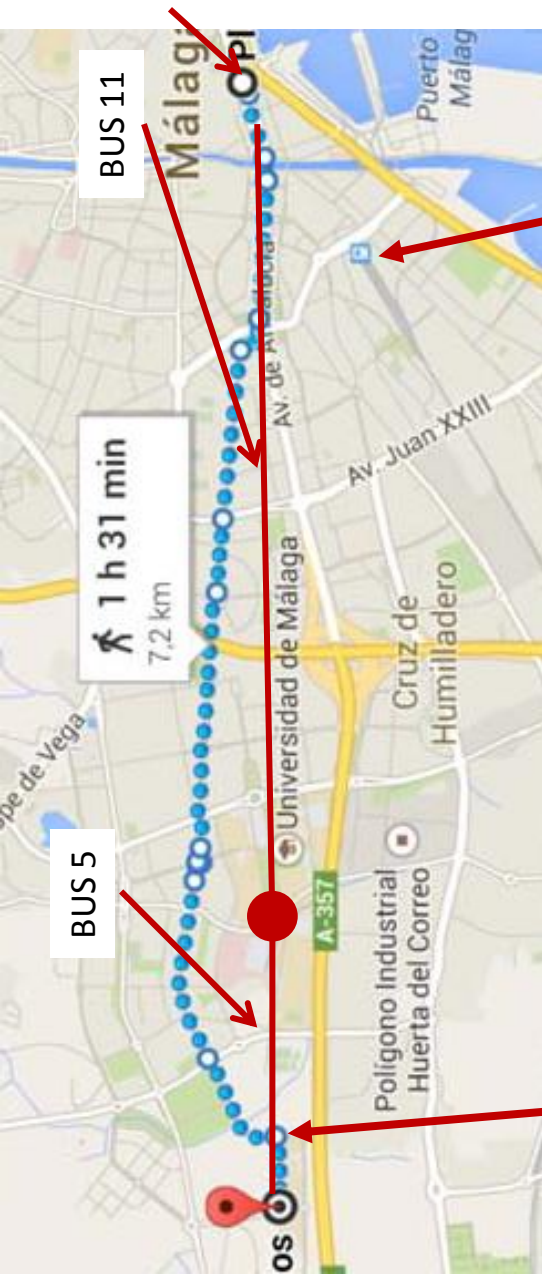
13:00-14:30 Lunch Break

14:30-15:30 Scientific Session 13

- **Algirdas Lancinskas**, Eligius M.T. Hendrix, and Julius Zilinskas, On Benchmarking Stochastic Global Optimization Algorithms.
- **Aaid Djamel**, Noui Amel, Zidna Ahmed, Ouanes Mohand, and Le Thi Hoai An. A Quadratic Branch and Bound with Alienor Method for Global Optimization

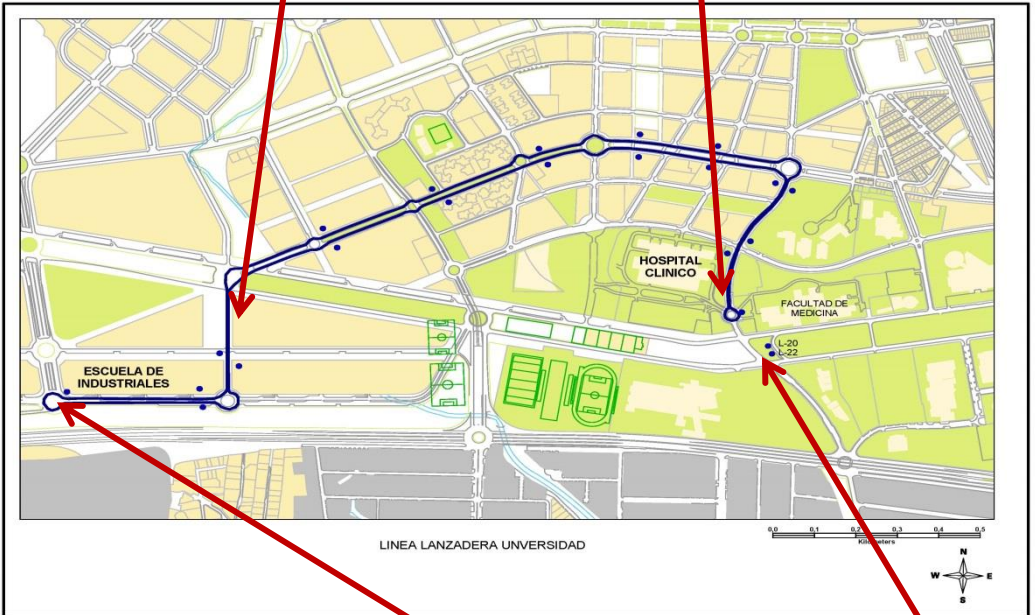
15:30-16:00 Presentation of candidates for the next GOW and Closure

Plaza de la Marina



**Metro
Paraninfo**

BUS 5



LINEA LANZADERA UNIVERSIDAD

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Kilómetros



BUS 11

ETSI Industriales

**C/ Doctor Ortiz Ramos s/n. (Campus de Teatinos) 29071. Málaga
MAGO 2014**

Going on in Málaga



1. Santuario de la Virgen de la Victoria - Plaza del Santuario
2. Museo Picasso - Calle San Agustín, 8
3. Museo Casa Natal de Picasso - Plaza de la Merced, 15
4. Alcazaba - Calle Alcazabilla, 2
5. Catedral - Calle Molina Lario, 9
6. Castillo de Gibralfaro - Camino de Gibralfaro 11
7. Iglesia de Santiago - Calle de Granada, 78
8. Museo Carmen Thyssen - Calle Compañía, 10
9. Iglesia de los Mártires - Plaza de los Mártires
10. Museo de Artes y Costumbres Populares - Pasillo Santa Isabel 10
11. Teatro Romano - Calle Alcazabilla
12. Palacio Episcopal de Málaga - Plaza del Obispo
13. Centro de Arte Contemporáneo - Calle Alemania s/n
14. Museo Revello de Toro - Calle Afligidos, 5
15. Museo de Artes y Costumbres populares - Pasillo de Santa Isabel, 10
16. Museo del Vino - Plaza de los Viñeros, 1
17. Museo del Vidrio y Cristal - Plazuela del Santísimo Cristo de la Sangre, 2
18. Museo del Patrimonio Municipal - Paseo de Reding, 1
19. Muelle Uno - Puerto de Málaga
20. Sala de Exposiciones Rectorado de la UMA. Antigua Casa de Correos y Telégrafos de Málaga - Avenida Cervantes, 2

Restaurants in Málaga



List of Restaurants in Downtown Málaga by Siham Tabik

1. **Restaurante Bodega Bar El Pimpi** ^{VG} Wine and typical Spanish tapas* (~18€/dish) Calle (means Street in Spanish) Granada, 62
2. **La Rebana** Tapas, toasts and traditional Spanish dishes (~16€/dish) Calle Molina Lario, 4.
3. **Pitta Bar** ^S Lebanese, middle east and Mediterranean food(~13€/dish) Calle Echegary, 8.
4. **Clandestino** Fusion of Mediterranean and International food(~12€/dish) Calle Niño de Guevara, 3.
5. **Pepa y Pepe** ^S Fried fish and Malagenian Bread with meat filling(~7€/dish) Calle Caldereria, 9.
6. **El Chinitas** Malagenian food (~25-40€/dish) Calle Moreno Monroy, 4.
7. **Restaurante La Dehesa** Traditional Mediterranean and Andalusian food (~15-20€/dish) Calle Bolsa, 3.
8. **Restaurante Katogui Agora** ^{VG} Greek cuisine(~8-20€/dish) Calle Alcazabilla, 14.
9. **Restaurante Vegetariano Cañadu** Vegetarian dishes(~15€/dish) Plaza de la Merced, 21.
10. **Mesón Astur** ^{VG} Asturian food, mainly meat. (~12€/dish) Calle Capitán, 3.
11. **Restaurante Zenart** ^{VG,E} Japonese food, sushi and mainly fish. (~35€/dish) Calle Mundo Nuevo , 4.
12. **Taberna Gallega** ^{VG} Galician food, e.g “pulpo a la gallega, empanada gallega” and tradicional barbeque (~16 -25€/dish) Calle del Correo Viejo, 11.
13. **Terra Mia** ^{do not go} Italian Napoletana pizzas(~8-25€/dish) Calle Molina Lario 3

*tapa is a Spanish word that means small portion of food.

Escuela Técnica Superior de Ingeniería Industrial Second Floor

