

# Maria J. Blesa Aguilera

Curriculum Vitae as of November 4, 2010

## Personal information

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First name: Maria José  
Family name: Blesa Aguilera  
Title: Dr. Inf.-Eng.  
Birth date and place: 12th July 1975, in Barcelona (Spain)  
Nationality: Spanish  
Current position: Associate professors  
Affiliation: ALBCOM research group  
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## Academic information

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February 2006 PhD in Computer Science with European Doctor mention,  
Universitat Politècnica de Catalunya.  
June 2002 Diploma d'Estudis Avançats (DEA),  
Universitat Politècnica de Catalunya.  
February 2000 Informatics Engineering,  
Universitat Politècnica de Catalunya.

## Official evaluations and prizes

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October 2010 Positive evaluation of the teaching activity of the 5-year period 2004-2009  
by the Agency of Quality of the University System of Catalonia (AQU).  
August 2008 Special Prize from the Universitat Politècnica de Catalunya for PhD thesis  
defended during the course 2005-2006 in the area of Information Technologies  
and Communications.  
October 2007 Positive report from the Spanish National Agency of Quality Evaluation and  
Accreditation (ANECA) for the category of *Profesor Contratado Doctor*.  
June 2007 Positive evaluation of the research activity of the 6-year period 2001-2006  
by the Agency of Quality of the University System of Catalonia (AQU).  
December 2006 Positive report from the Agency of Quality of the University System of  
Catalonia for the category of *Lector*.  
April 2003 Positive report from the Spanish National Agency of Quality Evaluation and  
Accreditation for the category of *Profesor Colaborador*.

## Professional information

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|-----------------------|---|
| Since October 2007    | Associate professor at the Universitat Politècnica de Catalunya.  |
| Sep. 2006 – Oct. 2007 | Collaborating lecturer on a fixed-term contract at the Universitat Politècnica de Catalunya.  |
| Sep. 2004 – Ago. 2006 | Assistant (trainee research staff) at the Universitat Politècnica de Catalunya.   |
| June 2001 – July 2001 | Teacher of Java programming language at Sony.   |
| May 2001 – July 2001  | Teacher of C and Java programming languages at Hewlett Packard.   |
| May 2000 – April 2001 | Granted by the ALCOM-FT Project (EU FET IST-1999-14186).  |
| Mar. 2000 – Apr. 2000 | Faculty assistant at the Facultat d'Informàtica de Barcelona, Universitat Politècnica de Catalunya. Support to the practical classes of the first course on programming.  |
| Oct. 1999 – Feb. 2000 | Granted by the Departament de Llenguatges i Sistemes Informàtics, Universitat Politècnica de Catalunya. Support to the course of <i>Calculation Abstract Models</i> at the Facultat d'Informàtica de Barcelona, Universitat Politècnica de Catalunya.   |
| Set. 1999 – Jan. 2000 | Teacher of an occupational training course of Java programming language for a center of the Generalitat de Catalunya.   |
| July 1999 – Jan. 2000 | Granted by the European Center of Parallelism of Barcelona (CEPBA), associated with the Universitat Politècnica de Catalunya and IBM.   |
| Oct. 1998 – July 1999 | Granted by the Departament de Matemàtica Aplicada II, Universitat Politècnica de Catalunya. Support to the course of <i>Virtual Reality and Geometry</i> for the Facultat d'Informàtica de Barcelona. Webmaster of the homepage for the <i>11th International Conference on Formal Power Series and Algebraic Combinatorics</i> (FPSAC 1999). |
| Oct. 1997 – Sep. 1998 | Granted by the new technologies company INDRA SSI, in agreement with the Universitat Politècnica de Catalunya. Worked as programmer to develop an application for the Department of Public Works of the Generalitat de Catalunya.   |
| Jan. 1996 – Oct. 1997 | Granted by FUJITSU to provide computer support at the Department of Education of the Generalitat de Catalunya.  |

## Participation/Collaboration in research projects

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- FORMALISM *Métodos formales y algoritmos para el diseño de sistemas.* Spanish Ministry of Education and Science under CICYT project no. TIN2007-66523. From 1/2007 to 12/2012.
- FRONTS *Foundations of Adaptive Networked Societies of Tiny Artefacts.* EU FP7-ICT-2007-1 (FET Proactive Initiative: Pervasive Adaptation) ref.no. 215270. From 1/2008 to 3/2011.
- WISEBED *Wireless Sensor Network Testbeds.* FP7-ICT-2007-2 ICT-2007.1.6 (New Paradigms and Experimental Facilities. Small/medium-scale focused research projects -STREPs-). From 04/2008 to 03/2010.
- AEOLUS *Algorithmic Principles for Building Efficient Overlay Computers.* FET pro-actives Integrated Project ref.no. IST-15964. From 09/2005 to 09/2009.
- AI-ES-DE *Self-organization in sensor networks and overlay networks.* Spanish Ministry of Education and Science under the Acciones Integradas program, project no. MEC HA2006-0127. From 01/2007 to 12/2008.
- ASCE *Auto-organización en sistemas de comunicación emergentes.* Spanish Ministry of Education and Science under CICYT project no. TIN-2005-09198. From 12/2005 to 12/2008.
- ALBCOM-SGR *Grup de Recerca Reconegut: Algorismes, Bioinformàtica, Complexitat i Mètodes Formals.* CIRIT 2005SGR 00516. From 11/2005 to 11/2008.
- DELIS *Dynamically Evolving, Large Scale Information Systems.* Funded under 6th FWP (Sixth Framework Programme) FET pro-actives Integrate Project ref.no. 001907 From 01/2004 to 12/2007.
- TRACER *Técnicas de Optimización Avanzadas para Problemas Complejos.* Spanish project CICYT TIC2002-04498-C05-03. From 12/2002 to 12/2005.
- FLAGS *Foundational Aspects of Global Computing Systems,* Funded by the European Commission under the Future and Emerging Technologies (FET), part of the Information Society Technologies (IST) programme of the Fifth Framework, as project number IST-2001-33116. From 01/2002 to 12/2004.
- ALCOM-FT *Algorithms and Complexity – Future Technologies.* Funded by the European Commission under the Future and Emerging Technologies (FET), part of the Information Society Technologies (IST) programme of the Fifth Framework, as project number IST-1999-14186. From 06/2000 to 06/2003.
- MALLBA *Geographically Distributed Environments: Combinatorial Optimization Library for Heuristic Methods.* Spanish project CICYT TIC99-0754-C03-02. From 01/2000 to 12/2002.

## Book chapters and edited books

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- [1] M. Blesa, C. Blum, G. Raidl, A. Roli, and M. Sampels, editors. *Hybrid Metaheuristics: Seventh International Workshop, HM 2010, Vienna, Austria, 2010*, volume 6373 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2010. ISBN 978-3-642-16053-0
- [2] M. Blesa, C. Blum, L. Di Gaspero, A. Roli, M. Sampels and A. Schaerf, editors. *Hybrid Metaheuristics: Sixth International Workshop, HM 2009, Udine, Italy, 2009*, volume 5818 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2009. ISBN 978-3-642-04917-0
- [3] M. Blesa, and C. Blum. *Optimization Techniques for Solving Complex Problems*, chapter 23: *Solving the KCT Problem: Large-scale Neighborhood Search and Solution Merging*, pp.401–415. John Wiley & Sons Inc., 2009. ISBN 978-0-470-29332-4
- [4] M. Blesa, C. Blum, C. Cotta, A.J. Fernández, J.E. Gallardo, A. Roli, and M. Sampels, editors. *Hybrid Metaheuristics: Fifth International Workshop, HM 2008, Málaga, Spain, 2008*, volume 5296 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2008. ISBN 978-3-540-88438-5
- [5] Maria J. Blesa, Christian Blum, Andrea Roli, and Michael Sampels, editors. *Hybrid Metaheuristics: An Emerging Approach for Optimization*. Series: *Studies in Computational Intelligence*, Vol. 114, 290 p. Springer-Verlag GmbH, 2008. ISBN 978-3-540-78294-0
- [6] T. Bartz-Beielstein, M. Blesa, C. Blum, B. Naujoks, A. Roli, G. Rudolph, and M. Sampels, editors. *Hybrid Metaheuristics: Forth International Workshop, HM 2007, Dortmund, Germany, 2007*, volume 4771 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2007. ISBN 978-3-540-75513-5
- [7] M. Blesa, and C. Blum. *Approximation Algorithms and Metaheuristics*, chapter 64: *On Solving the Maximum Disjoint Paths Problem with Ant Colony Optimization*. Chapman & Hall/CRC, Computer & Information Science Series, 2007. ISBN 1-58488-550-5
- [8] F. Almeida, M. Blesa, C. Blum, J.M. Moreno, M. Pérez, A. Roli, and M. Sampels, editors. *Hybrid Metaheuristics: Third International Workshop, HM 2006, Gran Canaria, Spain, October 13-15, 2006*, volume 4030 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2006. ISBN 978-3-540-46384-9
- [9] Maria J. Blesa, Christian Blum, Andrea Roli, and Michael Sampels, editors. *Hybrid Metaheuristics: Second International Workshop, HM 2005, Barcelona, Spain, August 29-30, 2005*, volume 3636 of *Lecture Notes in Computer Science*. Springer-Verlag GmbH, 2005. ISBN 978-3-540-28535-9
- [10] M. Blesa, J. Petit, and F. Xhafa. *Ciencia y Tecnología*, volume 2, chapter *Computación en Internet: Librería MALLBA para problemas de optimización*, pages 15–18. Tibidabo Edicions, 2001. ISBN 84-8033-145-3.

## Invited journal publications

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- [11] M. Blesa. Stability in Communication Networks under adversarial models. *Bulletin of the European Association on Theoretical Computer Science*, 89:219–221, June 2006.

- [12] M. Blesa and C. Georgiou. A review on disc 2005, the 19th international symposium on distributed computing. *Bulletin of the European Association on Theoretical Computer Science*, 88:84–103, February 2006.
- [13] C. Blum and M. Blesa. Optimització mitjançant colònies de formigues artificials. *Bulletin of the Catalan Association of Artificial Intelligence (ACIA Newsletters)*, 33:25–26, 2005. Review on the conference of M. Dorigo at the CosmoCaixa Museum in Barcelona. In Catalan.

## Journal publications

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- [14] C. Blum, M. López-Ibáñez, and M. Blesa. Beam Search for the Longest Common Subsequence Problem. *Computers & Operations Research*, 36(12):3178–3186, December 2009.
- [15] M. Blesa, D. Calzada, A. Fernández, L. López, A.L. Martínez, A. Santos, M. Serna, and C. Thraves. Adversarial Queueing Model for Continuous Network Dynamics. *Theory of Computing Systems*, 44(3):304–331, April 2009.
- [16] C. Blum, M. Yábar-Vallès, and M. Blesa. An ant colony optimization algorithm for DNA sequencing by hybridization. *Computers & Operations Research*, 35(11):3620–3635, November 2008.
- [17] M. Blesa, C. Blum. Finding edge-disjoint paths in networks: An ant colony optimization algorithm. *Journal of Mathematical Modelling and Algorithms*, 6(3):361–391, September 2007.
- [18] M. Blesa, J. Petit, and F. Xhafa. Generic parallel implementations for Tabu Search. *International Journal of Computer Systems Science and Engineering*, 21(6):413–432, November 2006.
- [19] E. Alba, F. Almeida, M. Blesa, C. Cotta, M. Díaz, I. Dorta, J. Gabarró, C. León, G. Luque, J. Petit, C. RodrÁguez, A. Rojas, and F. Xhafa. Efficient parallel lan/wan algorithms for optimization. the mallba project. *Parallel Computing*, 32(5-6):415–440, June 2006.
- [20] C. Blum and M. Blesa. New metaheuristic approaches for the edge-weighted k-cardinality tree problem. *Computers & Operations Research*, 32(6):1355–1377, June 2005.
- [21] C. Àlvarez, M. Blesa, J. Díaz, A. Fernández, and M. Serna. Adversarial models for priority-based networks. *Networks*, 45(1):23–35, January 2005.
- [22] C. Àlvarez, M. Blesa, and M. Serna. A characterization of universal stability in the adversarial queueing model. *SIAM Journal on Computing*, 34(1):41–66, October 2004.
- [23] C. Àlvarez, M. Blesa, J. Díaz, A. Fernández, and M. Serna. The complexity of deciding stability under FFS in the adversarial model. *Information Processing Letters*, 90(5):261–266, June 2004.

## Conference publications

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- [24] Hernández, H. and Baumgartner, T. and Blum, C. and Blesa, M. and Fekete, S.P. and Kroeller, A. A protocol for self-synchronized duty-cycling in sensor networks: generic implementation in Wiselib. In *A6th International Conference on Mobile Ad-hoc and Sensor Networks* (MSN 2010), Hangzhou, China, December 2010. IEEE Computer Society Press.
- [25] J. Anguera, M. Blesa, J. Farré, V. López and J. Petit. Topology Control Algorithms in WISELIB. In *ACM/IEEE Intl. Conference on Software Engineering* (ICSE 2010), Workshop on Software Engineering for Sensor Network Applications, , pages 14–19, Cape Town, South Africa, May 2010. ACM.
- [26] C. Blum and M. Blesa. Probabilistic Beam Search for the Longest Common Subsequence Problem. In *Engineering Stochastic Local Search Algorithms. Designing, Implementing and Analyzing Effective Heuristics* (SLS 2007), volume 4638 of *Lecture Notes in Computer Science*, pages 150–161, Brussels, Belgium, September 2007. Springer-Verlag GmbH.
- [27] M. Blesa and C. Blum. A nature-inspired algorithm for the disjoint paths problem. In *9th International Workshop on Nature Inspired Distributed Computing* (NIDISC 2006), page 8 pp. (published 1 page as no. 239), Rhodes Island, Greece, April 2006. IEEE Computer Society Press. In conjunction with The 20th IEEE/ACM International Parallel and Distributed Processing (IPDPS). CD-ROM INSPEC Accession Number:8969613.
- [28] M. Blesa. Deciding stability in packet-switched FIFO networks under the Adversarial Queuing model in polynomial time. In *19th International Symposium on Distributed Computing* (DISC 2005), volume 3724 of *Lecture Notes in Computer Science*, pages 429–441, Kraków, Poland, September 2005. Springer-Verlag GmbH.
- [29] M. Blesa, D. Calzada, A. Fernández, L. López, A.L. Martínez, A. Santos, and M. Serna. Adversarial queueing model for continuous network dynamics. In *30th International Symposium on Mathematical Foundations of Computer Science* (MFCS 2005), volume 3618 of *Lecture Notes in Computer Science*, pages 144–155, Gdansk, Poland, August 2005. Springer-Verlag GmbH.
- [30] C. Blum, M. Blesa, and A. Roli. Combining ILS with an effective constructive heuristic for the application to error correcting code design. In *6th Metaheuristics International Conference* (MIC 2005), pages 114–119, Wien, Austria, 2005.
- [31] A. Roli, M. Blesa, and C. Blum. Random walk and parallelism in local search. In *6th Metaheuristics International Conference* (MIC 2005), pages 811–816, Wien, Austria, 2005.
- [32] C. Blum and M. Blesa. Combining Ant Colony Optimization with Dynamic Programming for solving the  $k$ -cardinality tree problem. In *8th International Work-Conference on Artificial Neural Networks, Computational Intelligence and Bioinspired Systems* (IWANN 2005), volume 3512 of *Lecture Notes in Computer Science*, pages 25–33, Barcelona, Spain, June 2005. Springer-Verlag GmbH.
- [33] M. Blesa. On the use of topology extensions for provoking instability in communication network. In *Information Society*, subconference on *Theoretical Computer Science* (IS2004-TCS), pages 197–199, Ljubljana, Slovenia, October 2004. Slovenian ACM Chapter.
- [34] M. Blesa and C. Blum. Ant colony optimization for the maximum edge-disjoint paths problem. In R. et al., editor, *1st European Workshop on Evolutionary Computation in Communications, Networks, and Connected Systems* (EvoCOMNET 2004), volume 3005 of *Lecture Notes in Computer Science*, pages 160–169, Coimbra, Portugal, April 2004. Springer-Verlag.

- [35] M. Blesa and F. Xhafa. Using parallelism in experimenting and fine tuning of parameters for metaheuristics. In M. Bubak, G. Albada, P. Sloat, and J. Dongarra, editors, *4th International Conference on Computational Science (ICCS 2004)*, volume 3036 of *Lecture Notes in Computer Science*, pages 429–432, Kraków, Poland, June 6-9 2004. Springer-Verlag.
- [36] C. Àlvarez, M. Blesa, and M. Serna. The impact of failure management on the stability of communication networks. In *10th International Conference on Parallel and Distributed Systems (ICPADS 2004)*, pages 153–160, Newport Beach, California, USA, July 2004. IEEE Computer Society Press.
- [37] C. Àlvarez, M. Blesa, J. Diaz, A. Fernández, and M. Serna. Adversarial models for priority-based networks. In B. Rován and P. Vojtas, editors, *28th International Symposium on Mathematical Foundations of Computer Science (MFCS 2003)*, volume 2747 of *Lecture Notes in Computer Science*, pages 142–151, Bratislava, Slovakia, August 2003. Springer-Verlag.
- [38] E. Alba, F. Almeida, M. Blesa, J. Cabeza, C. Cotta, M. Diaz, I. Dorta, J. Gabarró, C. León, J. Luna, L. Moreno, C. Pablos, J. Petit, A. Rojas, and F. Xhafa. MALLBA: A library of skeletons for combinatorial optimisation. In B. Monien and R. Feldmann, editors, *Euro-Par 2002. Parallel Processing : 8th International Euro-Par Conference*, volume 2400 of *Lecture Notes in Computer Science*, pages 927–932, Paderborn, Germany, August 2002. Springer-Verlag Heidelberg.
- [39] C. Àlvarez, M. Blesa, and M. Serna. Universal stability of undirected graphs in the adversarial queueing model. In *14th ACM Symposium on Parallel Algorithms and Architectures (SPAA 2002)*, pages 183–197, Winnipeg, Canada, August 2002. ACM Press New York, NY, USA.
- [40] E. Alba, F. Almeida, M. Blesa, C. Cotta, M. Diaz, I. Dorta, J. Gabarró, J. González, C. León, L. Moreno, J. Petit, J. Roda, A. Rojas, and F. Xhafa. Mallba: Towards a combinatorial optimization library for geographically distributed systems. In *XII Jornadas de Paralelismo*, pages 105–110, Valencia, Spain, 2001. Editorial Universitat Politècnica de València. ISBN 84-9705-043-6.
- [41] M. Blesa, L. Hernández, and F. Xhafa. Parallel Skeletons for Tabu Search Method. In *8th International Conference on Parallel and Distributed Systems (ICPADS 2001)*, pages 23–28, Kyongju City, Korea, 2001. IEEE Computer Society Press.
- [42] M. Blesa, L. Hernández, and F. Xhafa. Tabu search for 0-1 multidimensional knapsack revisited: choosing internal heuristics and fine tuning of parameters. 12th Young Operational Research Conference, March 2001. Nottingham, UK.
- [43] M. Blesa, L. Hernández, and F. Xhafa. Parallel Skeletons for Tabu Search Method Based on Search Strategies and Neighborhood Partition. In M. P. J. Dongarra and J. Wasniewski, editors, *4th International Conference on Parallel Processing and Applied Mathematics (PPAM 2001)*, volume 2328 of *Lecture Notes in Computer Science*, pages 185–193, Naleczow, Poland, September 2002. Springer-Verlag.
- [44] M. Blesa, P. Moscato, and F. Xhafa. A Memetic Algorithm for the Minimum Weighted  $k$ -Cardinality Tree Subgraph Problem. In *4th Metaheuristics International Conference (MIC 2001)*, volume 1, pages 85–90, Porto, Portugal, 2001.
- [45] M. Blesa and F. Xhafa. A Skeleton for the Tabu Search Metaheuristic with Applications to Problems in Software Engineering. In *Software Engineering using Metaheuristic*

*INnovative ALgorithms. Proceedings of the 23rd International Conference on Software Engineering (ICSE-SEMINAL 2001)*, pages 23–31, Toronto, Canada, 2001. IEEE Computer Society Press. ACM SIGSOFT, *Software Engineering Notes*, 26(6):62–66. November, 2001.

- [46] M. Blesa and F. Xhafa. A C++ Implementation of Tabu Search for  $k$ -Cardinality Tree Problem based on Generic Programming and Component Reuse. In c/o transIT GmbH, editor, *Net.ObjectDays 2000 Tagungsband*, pages 648–652, Erfurt, Germany, 2000. Net.ObjectDays-Forum.

## Program Chairs

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- *7th Intl. Workshop on Hybrid Metaheuristics (HM 2010)*.  
Vienna, Austria, October 1-2, 2010.
- *6th Intl. Workshop on Hybrid Metaheuristics (HM 2009)*.  
Udine, Italy, October 16-17, 2009.
- *5th Intl. Workshop on Hybrid Metaheuristics (HM 2008)*.  
Málaga, Spain, October 8-9, 2008.
- *4th Workshop on Hybrid Metaheuristics (HM 2007)*.  
Dortmund, Germany, October 2007.
- *3rd Workshop on Hybrid Metaheuristics (HM 2006)*.  
Gran Canaria, Spain, October 13-15 2006.
- *2nd Workshop on Hybrid Metaheuristics (HM 2005)*.  
Barcelona, Spain, August 29–31 2005.

## Organizing committees

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- *14th International Workshop on Randomization and Computation (RANDOM 2010)*.  
Barcelona, Spain, September 1-3 2010.
- *13th Intl. Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX 2010)*.  
Barcelona, Spain, September 1-3 2010.
- *4th Intl. Symposium on Trustworthy Global Computing (TGC 2008)*.  
Barcelona, Spain, November 3-4, 2008.
- *DELIS Final Workshop and Review meeting*.  
Barcelona, Spain, February 26-29, 2008.
- *Workshop on Theoretical Aspects and Models of Large, Complex and Open Information Networks (DELIS-CompNet)*.  
Barcelona, Spain, October 18-20, 2006.

- *10th International Workshop on Randomization and Computation (RANDOM 2006)*. Barcelona, Spain, August 28-31, 2006.
- *9th Intl. Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX 2006)*. Barcelona, Spain, August 28-31, 2006.
- *5th International Workshop on Experimental Algorithms (WEA 2006)*. Menorca, Spain, May 24-27, 2006.
- *2nd Workshop on Hybrid Metaheuristics (HM 2005)*. Barcelona, Spain, August 29-31, 2005.

## Program committees

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- *11th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2011)*. Torino, Italy, April 27–29, 2011.
- *Intl. ACM conference on Management of Emergent Digital EcoSystems (MEDES 2010)*. Bangkok, Thailand, October 26–29, 2010.
- *Intl. Conference on Evolutionary Computation (ICEC 2010)*. Valencia, Spain, October 24–26, 2010.
- *IEEE Congress on Evolutionary Computation (CEC 2010)*. Barcelona, Spain, July 18–23, 2010.
- *Genetic and Evolutionary Computation Conference (GECCO 2010)*, track on Combinatorial Optimization and Metaheuristics. Portland, USA, July 7-11, 2010.
- *10th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2010)*. Istanbul, Turkey, April 7-9, 2010.
- *Genetic and Evolutionary Computation Conference (GECCO 2009)*, track on Combinatorial Optimization and Metaheuristics. Montreal, Canada, July 8-12, 2009.
- *9th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2009)*. Tübingen, Germany, April 15-17, 2009.
- *IEEE Congress on Evolutionary Computation (CEC 2009)*, track on Agent Based Memetic Algorithms. Trondheim, Norway, May 18-21, 2009.
- *8th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2008)*. Napoli, Italy, March 26-28, 2008.
- *8th Intl. Conference on Intelligent Systems Design and Applications (ISDA 2008)*. Kaohsiung, Taiwan, November 26-28, 2008.
- *7th Intl. Conference on Intelligent Systems Design and Applications (ISDA 2007)*. Rio de Janeiro, Brazil, October 1-3, 2007.
- *6th Intl. Conference on Intelligent Systems Design and Applications (ISDA 2006)*. Jinan, Shandong, China, October 16-18, 2006.

- *Genetic and Evolutionary Computation Conference (GECCO 2006)*, track on Ant Colony Optimization and Swarm Intelligence. Seattle, USA, July 8-12, 2006.
- *Genetic and Evolutionary Computation Conference (GECCO 2005)*. Washington, USA, June 25-29, 2005.
- *1st Workshop on Hybrid Metaheuristics (HM 2004)*, at the *16th European Conference on Artificial Intelligence (ECAI 2004)*. Valencia, Spain, August 22-24, 2004.

## Referee activities: Conferences

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- *17th International Colloquium on Structural Information and Communication Complexity (SIROCCO 2010)*. Şirince, Turkey, June 7-11, 2010.
- *3rd International Symposium on Bio- and Medical Informatics and Cybernetics (BMIC 2009)*. Orlando (FL), USA, July 10-13, 2009.
- *21st International Joint Conference on Artificial Intelligence (IJCAI 2009)*. Pasadena (CA), USA, July 11-17, 2009.
- *5th IASTED International Conference on Advances in Computer Science and Technology (IASTED-ACST 2008)*. Langkawi, Malaysia. April 2-4, 2008.
- *11th International Workshop on Nature Inspired Distributed Computing (NIDISC 2008)*. Miami, Florida, USA. April 14-18, 2008.
- *14th International Colloquium on Structural Information and Communication Complexity (SIROCCO 2007)*. Castiglione, Italy. June 6-8, 2007.
- *4th IASTED International Conference on Advances in Computer Science and Technology (IASTED-ACST 2007)*. Phuket, Thailand. April 2-4, 2007.
- *V Congreso Español sobre Metaheurísticas, Algoritmos Evolutivos y Bioinspirados (MAEB 2007)*. Puerto de la Cruz, Tenerife, Spain. February 14-16, 2007.
- *International Conference on Distributed Computing in Sensor Systems (DCOSS 2006)*. San Francisco, USA, June 18-20, 2006.
- *IASTED International Conference on Networks and Communication Systems (IASTED-NCS 2006)*. Chiang Mai, Thailand. March 29-31, 2006.
- *6th Conference on Algorithms and Complexity (CIAC 2006)*. Rome, Italy. May 29-31, 2006.
- *17th IASTED International Conference on Parallel and Distributed Computing and Systems (IASTED-PDCS 2005)*. Phoenix, USA. November 14-16, 2005.
- *IASTED International Conference on Human Computer Interaction (IASTED-HCI 2005)*. Phoenix, USA. November 14-16, 2005.
- *13th Annual European Symposium on Algorithms (ESA 2005)*. Eivissa, Spain. October 3-6, 2005.
- *2nd International Workshop on Hybrid Metaheuristics (HM 2005)*. Barcelona, Spain. August 29-31, 2005.

- *6th Metaheuristics International Conference (MIC 2005)*. Wien, Austria. August 22-26, 2005.
- *32nd International Colloquium on Automata, Languages and Programming (ICALP 2005)*. Lisboa, Portugal. July 11-15, 2005.
- *Genetic and Evolutionary Computation Conference (GECCO 2005)*. Washington, USA, June 25-29 2005.
- *4th International Workshop on Efficient and Experimental Algorithms (WEA 2005)*. Santorini Island, Greece. May 10-13, 2005.

## Referee activities: Journals

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- *IEEE/ACM Transactions on Computational Biology*, IEEE Computer Society.
- *BMC Bioinformatics*, BioMed Central.
- *Memetic Computing*, Springer.
- *ACM Transactions on Algorithms*, Association for Computing Machinery.
- *Swarm Intelligence*, Springer.
- *International Journal of Pattern Recognition and Artificial Intelligence*, World Scientific.
- *Journal of Scheduling*, Wiley.
- *Computer Networks*, Elsevier.
- *Constraints Journal*, Springer.
- *Journal of Mathematical Modelling and Algorithms*, Kluwer.
- *Information Processing Letters*, Elsevier.
- *Computers & Operations Research*, Elsevier.

## Referee activities: Books

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- *Metaheuristics: Progress in Complex Systems Optimization*. Springer Operations Research: Computer Science Interfaces Book Series, K.F. Doerner, M. Gendreau, P. Greistorfer, W.J. Gutjahr, R.F. Hartl, M. Reimann (Eds.). 2007 Springer. ISBN 978-0-387-71919-1.
- *Ant Colony Optimization*, by Marco Dorigo and Thomas Stützle. 2004 MIT Press. ISBN 978-0-262-04219-2.
- *Metaheuristic Optimization via Memory and Evolution: Tabu Search and Scatter Search*. Operations Research/Computer Science Interfaces, Rego, C. and Alidaee, B (Eds.). 2005 Springer. ISBN: 1-4020-8134-0.