

EMILIA TANTAR

PUBLICATII

PREMII

- 07/2007 ▷ **Best Paper Award** *Convergence of stochastic search algorithms to gap-free pareto front approximations*, GECCO 2007, University College London, England.
- 03/2004 ▷ **Premiul intai - Emilia Tantar**, *Active Segmentation of C-arm images*, StudIT (Students Communications Sessions), Timisoara, Romania.

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- Jurnale ▷ **Oliver Schetze, Marco Laumanns, Emilia Tantar, Carlos A. Coello Coello, El-Ghazali Talbi**, *Convergence of Stochastic Search Algorithms to Gap-Free Pareto Front Approximations*, *Evolutionary Computation*, Volume 18, Issue 1, pp.65-96, MIT Press, Spring 2010.
- ▷ **Pierre Minvielle, Emilia Tantar, Alexandru-Adrian Tantar, Philippe Berisset**, *Sparse Antenna Array Optimization with the Cross-Entropy Method*, *IEEE Transactions on Antennas and Propagation*, Volume 59, Issue 8, pp. 2862-2871, IEEE Antennas and Propagation Society, August 2011.
- Carte ▷ **Emilia Tantar, Oliver Schutze**, *Performance guarantees and landscape analysis in multi-objective optimization*, Springer Verlag, (to appear)
- Capitole
carte ▷ **Kuklinski, Slawomir ; Wytrebowicz, Jacek ; Dinh, Khoatruong ; Tantar, Emilia**, *Application of Cognitive Techniques to Network Management and Control*, in *EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation V*, Tantar, Alexandru-Adrian ; Tantar, Emilia ; Sun, Jian-Qiao ; Zhang, Wei ; Ding, Qian ; Schuetze, Oliver ; Emmerich, Michael ; Legrand, Pierrick ; Del Moral, Pierre ; Coello Coello, Carlos A. (Eds.),2014.
- ▷ **Tantar, Emilia ; Palattella, Maria Rita ; Avanesov, Tigran ; Kantor, Mirosław ; Engel, Thomas**, *Cognition : a tool for reinforcing security in Software Defined Networks*, in *EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation V*, Tantar, Alexandru-Adrian ; Tantar, Emilia ; Sun, Jian-Qiao ; Zhang, Wei ; Ding, Qian ; Schuetze, Oliver ; Emmerich, Michael ; Legrand, Pierrick ; Del Moral, Pierre ; Coello Coello, Carlos A. (Eds.),2014.
- ▷ **Pierre Del Moral, Alexandru-Adrian Tantar, Emilia Tantar**, *On the Foundations and the Applications of Evolutionary Computing*, *EVOLVE - A Bridge between Probability, Set Oriented Numerics and Evolutionary Computation*, *Studies in Computational Intelligence*, Springer, vol. 447, pp. 3-89, Springer Berlin Heidelberg, ISBN : 978-3-642-32725-4, 2013.
- ▷ **Emilia Tantar, Alexandru-Adrian Tantar, Nouredine Melab, El-Ghazali Talbi**, *Landscape Analysis in Adaptive Metaheuristics for Grid Computing*, in *Advances in Parallel Computing*, volume 17, *Parallel Programming and Applications in Grid, P2P and Networked-based Systems*, pp. 313-344, 2009, IOS Press Book Series, ISBN 978-1-60750-004-9.

▷ **Alexandru-Adrian Tantar, Emilia Tantar, and Oliver Schütze**, Asymmetric quadratic landscape approximation model. In Proceedings of the 2014 conference on Genetic and evolutionary computation (GECCO '14), Juillet 12-16, 2014, Vancouver, BC, Canada. ACM, New York, NY, USA, 493-500. DOI=10.1145/2576768.2598381 <http://doi.acm.org/10.1145/2576768.2598381>, 2014.

Z. Guede, A. Tantar, E. Tantar, P. Del Moral, Application of a particle filter-based subset simulation to the reliability assessment of a marine structure, 31th International Conference on Ocean, Offshore and Arctic Engineering, OMAE2012, Juillet 1-6, 2012, Rio de Janeiro, Brazil, 2012.

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Oliver Schutze, Carlos A. Coello Coello, Emilia Tantar, El-Ghazali Talbi, Computing Finite Size Representations of the Set of Approximate Solutions of an MOP with Stochastic Search Algorithms, in *Proceedings of Genetic and Evolutionary Computation Conference (GECCO 2008)*, July 12-16, Atlanta, USA, pp. 713-720, ACM Press, 2008, ISBN 978-1-60558-131-6.

Emilia Tantar, Oliver Schutze, Jose Rui Figueira, Carlos A. Coello Coello, El-Ghazali Talbi, Computing and selecting epsilon-efficient solutions of 0,1-knapsack problems, in *Multiple Criteria Decision Making for Sustainable Energy and Transportation Systems (Proceedings of the 19th International Conference on Multiple Criteria Decision Making)*, Auckland, New Zealand, January 7-12, 2008, Lecture Notes in Economics and Mathematical Systems, pp.(to be announced), Volume 634, Springer, 2010, ISBN : 978-3-642-04044-3.

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- Conferinte franceze nationale
- ▷ **Emilia Tantar, Clarisse Dhaenens, El-Ghazali Talbi**, Methodes interactives guidees par l'analyse du paysage en optimisation combinatoire bi-objectif, 9^{ème} congres de la Societe Française de Recherche Operationnelle et d'Aide à la Decision, Clermont-Ferrand, France, February 25-27, 2008.
 - Emilia Tantar, Clarisse Dhaenens, El-Ghazali Talbi**, Sur l'approximabilite du problème de flow-shop de permutation bi-objectif. Conference conjointe FRANCORO V / ROADEF 2007, Grenoble, France, February 20-23, 2007.
 - Emilia Tantar, Alexandru-Adrian Tantar, Clarisse Dhaenens, El-Ghazali Talbi**, XMOS : plateforme generique pour l'optimisation multi-objectif, 7^{ème} congres de la Societe Française de Recherche Operationnelle et d'Aide à la Decision (ROADEF), Lille, France, February 6-8, 2006.
- Workshopuri
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 - Sébastien Varrette, Emilia Tantar, Pascal Bouvry**, On the Resilience of [distributed] Evolutionary Algorithms against Cheaters in Global Computing Platforms, in The 14th International Workshop on Nature Inspired Distributed Computing, part of the International Parallel and Distributed Processing Symposium (IPDPS), Anchorage (Alaska) USA, May 16-20, pp. 409-417, 2011.
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 - Emilia Tantar, Alexandru-Adrian Tantar, Clarisse Dhaenens, El-Ghazali Talbi**, XMOS - An eXact Multi-Objective Solver, Workshop International : Logistique & Transport 2006 (LT'2006), Hammamet, Tunisia, April 30-May 2, 2006.
 - 1st prize - Emilia Tantar**, Active Segmentation of C-arm images, StudIT (Students Communications Sessions), West University Timisoara, Timisoara, Romania, March 26-28, 2004.
- Rapoarte de cercetare indexate
- ▷ **Alexandru-Adrian Tantar, Emilia Tantar, Pascal Bouvry**, Design and classification of dynamic multi-objective optimization problems, CoRR abs/1103.4820 : (2011).
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 - Emilia Tantar, Clarisse Dhaenens, Jose Rui Figueira, El-Ghazali Talbi**, Interactive Hybridization of Metaheuristics and Landscape Analysis for Multi-Objective Optimization, ISSN 1646-2955, Working Paper N. 10/2007, Centro de Estudos de Gestao, Instituto Superior Tecnico, Lisbon, Portugal.
- Editor
- ▷ 5 volume in *Studies in Computational Intelligence series* (**Springer**) ; 1 volum in *Advances in Intelligent and Soft Computing* (**Springer**), 1 Special issue a jurnalului *Soft computing* (**Springer**)

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| Special Issue | <p>▷ Evolutionary Computing & Complex Systems, <i>Soft Computing Journal</i> (A Fusion of Foundations, Methodologies and Applications / Computational Intelligence and Complexity), Tantar A., Tantar E. Bouvry P., Schütze O., Coello Coello C., Del Moral Pierre (Guest Editors), Di Nola A. (Editor-in-Chief), Loia V. (Co-Editor-in-Chief), 2012.</p> |
| Carti | <p>▷ EVOLVE – A bridge between Probability, Set Oriented Numerics and Evolutionary Computation, <i>Studies in Computational Intelligence</i>, Springer, Tantar E., Tantar A., Bouvry P., Del Moral P., Legrand P., Coello Coello C., Schütze O. (Editors), 2012.</p> <p>▷ EVOLVE II – A bridge between Probability, Set Oriented Numerics and Evolutionary Computation, <i>Advances in Intelligent and Soft Computing</i>, Springer, EVOLVE 2012 International Conference Proceedings, Schütze O., Coello Coello C., Tantar A., Tantar E., Bouvry P., Del Moral P., Legrand P. (Editors), 2013.</p> <p>▷ EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation III, <i>Studies in Computational Intelligence</i>, Springer, Oliver Schütze, Carlos A. Coello Coello, Alexandru-Adrian Tantar, Emilia Tantar, Pascal Bouvry, Pierre Del Moral, Pierrick Legrand (Editors), ISBN : 978-3-319-01459-3, 2013.</p> <p>▷ EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation IV, <i>Advances in Intelligent Systems and Computing</i>, Springer, Michael Emmerich, Andre Deutz, Oliver Schütze, Thomas Bäck, Emilia Tantar, Alexandru-Adrian Tantar, Pierre Del Moral, Pierrick Legrand, Pascal Bouvry, Carlos A. Coello (Editors), ISBN : 978-3-319-01127-1, 2013.</p> <p>▷ EVOLVE - A Bridge between Probability, Set Oriented Numerics, and Evolutionary Computation V, <i>Advances in Intelligent Systems and Computing</i>, Springer, Alexandru-Adrian Tantar, Emilia Tantar, Jian-Qiao Sun, Wei Zhang, Qian Ding, Oliver Schütze, Michael Emmerich, Pierrick Legrand, Pierre Del Moral, Carlos A. Coello Coello (Editors), ISBN : 978-3-319-07493-1 (Print) 978-3-319-07494-8 (Online), 2014.</p> |
| Proceedings | <p>▷ GECCO'11 : Proceedings of the 13th Annual Conference Companion on Genetic and Evolutionary Computation (GECCO), SIGEVO, ISBN : 978-1-4503-0690-4, Dublin, Ireland, 2011.</p> |