

Bibliography in BibTeX format

Computer Architecture and Languages Laboratory

February 26, 2010

Abstract

This is the bibliography of Computer Architecture and Languages Laboratory, from 2005 until the date of this publication, listing following papers: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53].

References

- [1] B. Bošković and J. Brest and A. Zamuda and S. Greiner and V. Žumer, “History Mechanism Supported Differential Evolution for Chess Evaluation Function Tuning,” *Soft Computing - A Fusion of Foundations, Methodologies and Applications*. DOI: 10.1007/s00500-010-0593-z.
- [2] S. Greiner, J. Brest, and V. Žumer, “Zero – A blend of static typing and dynamic metaprogramming,” *Computer Languages, Systems & Structures*, vol. 35, no. 3, pp. 241–251, 2009. DOI: 10.1016/j.cl.2008.04.001.
- [3] M. S. Maučec, T. Rotovnik, Z. Kačič, and J. Brest, “USING DATA-DRIVEN SUB-WORD UNITS IN LANGUAGE MODEL OF HIGHLY INFLECTIVE SLOVENIAN LANGUAGE,” *International Journal of Pattern Recognition and Artificial Intelligence*, vol. 23, no. 2, pp. 287–312, 2009.
- [4] S. Greiner, “Run-time Manipulation of Programs in a Statically-Typed Language,” *INFORMATICA*, vol. 33, pp. 397–398, 2009.
- [5] J. Brest, “Constrained Real-Parameter Optimization with ϵ -Self-Adaptive Differential Evolution,” *Studies in Computational Intelligence*, ISBN: 978-3-642-00618-0, vol. 198, pp. 73–93, 2009.
- [6] J. Brest, “Differential Evolution with Self-Adaptation,” *Encyclopedia of Artificial Intelligence*, pp. 488–493, 2009.
- [7] M. S. Maučec and J. Brest, “Reduction of Morpho-syntactic Features in Statistical Machine Translation of Highly Inflective Language,” *INFORMATICA*, vol. 21, no. 1, pp. 95–116, 2010.
- [8] J. Brest, A. Zamuda, B. Bošković, M. S. Maučec, and V. Žumer, “Dynamic Optimization using Self-Adaptive Differential Evolution,” in *IEEE Congress on Evolutionary Computation (CEC) 2009*, pp. 415–422, IEEE Press, 2009.
- [9] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, “Differential Evolution with Self-adaptation and Local Search for Constrained Multiobjective Optimization,” in *IEEE Congress on Evolutionary Computation (CEC) 2009*, pp. 195–202, IEEE Press, 2009.
- [10] A. Zamuda, J. Brest, and V. Žumer, “Razpoznavna numerično kodiranih proceduralnih modelov iz slik naravnih dreves z uporabo diferencialne evolucije,” in *Zbornik osemnajste mednarodne Elektrotehniške in računalniške konference ERK 2009, volume B*, p. Sprejeto, 2009.
- [11] M. Pulko, B. Bošković, and J. Brest, “Programiranje grafičnih vmesnikov s knjižnico QT,” in *Zbornik osemnajste mednarodne Elektrotehniške in računalniške konference ERK 2009, volume B*, p. Sprejeto, 2009.

- [12] J. Brest and M. S. Maučec, "Population Size Reduction for the Differential Evolution Algorithm," *Applied Intelligence*, vol. 29, no. 3, pp. 228–247, 2008. DOI: 10.1007/s10489-007-0091-x.
- [13] J. Brest, A. Zamuda, B. Bošković, and V. Žumer, "An Analysis of the Control Parameters Adaptation in DE," in *Advances in Differential Evolution, Studies in Computational Intelligence* (U. K. Chakraborty, ed.), vol. 143, pp. 89–110, Springer, 2008.
- [14] B. Bošković, S. Greiner, J. Brest, A. Zamuda, and V. Žumer, "An Adaptive Differential Evolution Algorithm with Opposition-Based Mechanisms, Applied to the Tuning of a Chess Program," in *Advances in Differential Evolution, Studies in Computational Intelligence* (U. K. Chakraborty, ed.), vol. 143, pp. 287–298, Springer, 2008.
- [15] J. Brest, A. Zamuda, B. Bošković, and V. Žumer, "Globalna optimizacija problemov z velikim številom dimenzij," *Elektrotehniški vestnik*, vol. 75, no. 5, pp. 299–304, 2008.
- [16] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, "Študija samoprilagajanja krmilnih parametrov pri algoritmu DEMOwSA," *Elektrotehniški vestnik*, vol. 75, no. 4, pp. 223–228, 2008.
- [17] J. Brest, A. Zamuda, B. Bošković, M. S. Maučec, and V. Žumer, "High-dimensional Real-parameter Optimization Using Self-adaptive Differential Evolution Algorithm with Population Size Reduction," in *2008 IEEE World Congress on Computational Intelligence*, pp. 2032–2039, IEEE Press, 2008.
- [18] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, "Large Scale Global Optimization Using Differential Evolution with Self-adaptation and Cooperative Co-evolution," in *2008 IEEE World Congress on Computational Intelligence*, pp. 3719–3726, IEEE Press, 2008.
- [19] J. Brest, A. Zamuda, B. Bošković, S. Greiner, M. S. Maučec, and V. Žumer, "Self-Adaptive Differential Evolution with SQP Local Search," in *The 3rd International Conference on Bioinspired Optimization Methods and their Applications* (B. Filipič and J. Šilc, eds.), (Ljubljana, Slovenia), pp. 59–69, Jožef Stefan Institute, 2008.
- [20] B. Bošković, J. Brest, A. Zamuda, and V. Žumer, "Ratingiranje pri uglaševanju šahovskega programa z algoritmom diferencialne evolucije," in *Zbornik sedemnajste mednarodne Elektrotehniške in računalniške konference ERK 2008, volume B*, pp. 123–126, 2008.
- [21] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, "Diferencialna evolucija za večkriterijsko optimizacijo s samoprilagajanjem in z lokalnim preiskovanjem SQP," in *Zbornik sedemnajste mednarodne Elektrotehniške in računalniške konference ERK 2008, volume B*, pp. 103–106, 2008.
- [22] J. Brest, B. Bošković, S. Greiner, V. Žumer, and M. S. Maučec, "Performance comparison of self-adaptive and adaptive differential evolution algorithms," *Soft Computing - A Fusion of Foundations, Methodologies and Applications*, vol. 11, no. 7, pp. 617–629, 2007. DOI: 10.1007/s00500-006-0124-0.
- [23] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, "Differential Evolution for Multiobjective Optimization with Self Adaptation," in *The 2007 IEEE Congress on Evolutionary Computation CEC 2007*, pp. 3617–3624, IEEE Press, 2007. DOI: 10.1109/CEC.2007.4424941.
- [24] A. Zamuda, J. Brest, N. Guid, and V. Žumer, "Modelling, Simulation, and Visualization of Forest Ecosystems," in *The IEEE Region 8 EUROCON 2007: International conference on "Computer as a tool", September 9-12, 2007, Warsaw, Poland*, pp. 2600–2606, IEEE Press, 2007. DOI: 10.1109/EURCON.2007.4400683.
- [25] M. S. Maučec and J. Brest, "Data Sparsity Reduction in Statistical Machine Translation From Highly Inflected Language to English," in *3rd Language & Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics*, (October 5-7, 2007, Poznań, Poland), pp. 448–452, 2007.

- [26] J. Brest, V. Žumer, and M. S. Maučec, "Population size in differential evolution algorithm," *Elektrotehniški vestnik*, vol. 74, no. 1-2, pp. 55–60, 2007.
- [27] J. Brest, A. Zamuda, B. Bošković, and V. Žumer, "Večkriterijska optimizacija: primerjava algoritmov *MOjDE* in *DEMO*," in *Zbornik šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, volume B*, pp. 85–88, 2007.
- [28] B. Bošković, J. Brest, A. Zamuda, and V. Žumer, "Uglaševanje šahovskega programa BBChess z uporabo algoritma diferencialne evolucije," in *Zbornik šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, volume B*, pp. 73–76, 2007.
- [29] A. Zamuda, J. Brest, B. Bošković, and V. Žumer, "Večkriterijska optimizacija: eksperimentalni rezultati algoritmov *MOjDE* in *DEMO*," in *Zbornik šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, volume B*, pp. 89–92, 2007.
- [30] A. Zamuda, "Modeliranje, simulacija in upodabljanje gozdov," *Abakus*, vol. 1, pp. 22–23, 2007.
- [31] S. Tutek, "Svoboda! Ali vas zanima prosta kola, prosto pivo ali prosta programska oprema?," *Abakus*, vol. 7, no. 1, October, pp. 22–24, 2007.
- [32] J. Brest, S. Greiner, B. Bošković, M. Mernik, and V. Žumer, "Self-Adapting Control Parameters in Differential Evolution: A Comparative Study on Numerical Benchmark Problems," *IEEE Transactions on Evolutionary Computation*, vol. 10, no. 6, pp. 646–657, 2006. DOI: 10.1109/TEVC.2006.872133.
- [33] M. S. Maučec, J. Brest, and V. Žumer, "Statistical Alignment Models in Machine Translation from Slovenian to English," *Electrotechnical Review*, vol. 73, no. 5, pp. 273–278, 2006.
- [34] B. Bošković, J. Brest, and V. Žumer, "Objektno orientirano načrtovanje in implementacija računalniškega šaha," *Elektrotehniški vestnik*, vol. 73, no. 1, pp. 31–37, 2006.
- [35] I. Pešl, V. Žumer, and J. Brest, "Optimizacija s pomočjo kolonije mravelj = ACO – Ant Colony Optimization," *Electrotechnical Review*, vol. 73, no. 2-3, pp. 93–98, 2006.
- [36] J. Brest, V. Žumer, and M. S. Maučec, "Self-adaptive Differential Evolution Algorithm in Constrained Real-Parameter Optimization," in *The 2006 IEEE Congress on Evolutionary Computation CEC 2006*, pp. 919–926, IEEE Press, 2006. DOI: 10.1109/CEC.2006.1688311.
- [37] B. Bošković, S. Greiner, J. Brest, and V. Žumer, "A Differential Evolution for the Tuning of a Chess Evaluation Function," in *The 2006 IEEE Congress on Evolutionary Computation CEC 2006*, pp. 6742–6747, IEEE Press, 2006. DOI: 10.1109/CEC.2006.1688532.
- [38] J. Brest, V. Žumer, and M. S. Maučec, "Control Parameters in Self-Adaptive Differential Evolution," in *Bioinspired Optimization Methods and Their Applications* (B. Filipič and J. Šilc, eds.), (Ljubljana, Slovenia), pp. 35–44, Jožef Stefan Institute, October 2006.
- [39] S. Greiner, J. Brest, and V. Žumer, "Advantages of dynamic method-oriented mechanism in a statically typed object-oriented programming language Z_0 ," in *Proceedings of the 28th International Conference on Information Technology Interfaces*, pp. 433–438, 2006. DOI: 10.1109/ITI.2006.1708520.
- [40] A. Zamuda, J. Brest, N. Guid, and V. Žumer, "Construction of Virtual Trees within Ecosystems with EcoMod Tool," in *Book of Abstracts for IPSI-2006 Slovenia, International Conference on Advances in the Internet, Processing, Systems, and Interdisciplinary Research*, p. 15, 2006.
- [41] M. S. Maučec, J. Brest, and Z. Kačič, "Slovenian to English Machine Translation using Corpora of Different Sizes and Morpho-syntactic Information," in *Language Technologies Conference: proceedings of the 9th International Multiconference Information Society IS 2006*, pp. 222–225, 2005.

- [42] J. Brest, M. S. Maučec, B. Bošković, S. Greiner, and V. Žumer, "Optimizacija z omejitvami: eksperimentalni rezultati s samo-prilagodljivim algoritmom diferencialne evolucije," in *Zbornik petnajste mednarodne Elektrotehniške in računalniške konference ERK 2006*, pp. 91–94, 2006.
- [43] B. Bošković, S. Greiner, J. Brest, and V. Žumer, "Adaptivni algoritem diferencialne evolucije za uglaševanje parametrov ocenitve funkcije računalniškega šaha," in *Zbornik petnajste mednarodne Elektrotehniške in računalniške konference ERK 2006*, pp. 83–86, 2006.
- [44] A. Zamuda and N. Guid, "Modeliranje, simulacija in upodabljanje gozdov," in *Zbornik petnajste mednarodne Elektrotehniške in računalniške konference ERK 2006*, pp. 391–392, 2006.
- [45] B. Bošković and J. Brest, "Računalniški šah," *Abakus*, vol. 5, pp. 41–44, 2006.
- [46] S. Greiner, D. Rebernak, J. Brest, and V. Žumer, "Z₀ - A Tiny Experimental Language," *SIGPLAN Notices*, vol. 40, no. 8, pp. 19–28, 2005.
- [47] J. Brest and J. Žerovnik, "A Heuristic for the Asymmetric Traveling Salesman Problem," in *The 6th Metaheuristics International Conference*, pp. 145–150, 2005.
- [48] J. Brest, S. Greiner, B. Bošković, and V. Žumer, "A Heuristic Algorithm for Function Optimization," in *Proceedings MIPRO*, pp. 91–94, 2005.
- [49] B. Bošković, S. Greiner, J. Brest, and V. Žumer, "The Representation of Chess Game," in *Proceedings of the 27th International Conference on Information Technology Interfaces*, pp. 381–386, 2005. DOI: 10.1109/ITI.2005.1491153.
- [50] S. Greiner, J. Brest, and V. Žumer, "Načrtovanje porazdeljene arhitekture za simultano izvajanje programskih bremen," *Elektrotehniški vestnik*, vol. 72, no. 2-3, pp. 91–96, 2005.
- [51] J. Brest, B. Bošković, S. Greiner, and V. Žumer, "Nastavitev parametrov pri algoritmu diferencialne evolucije," in *Zbornik štirinajste mednarodne Elektrotehniške in računalniške konference ERK 2005*, pp. 79–82, 2005.
- [52] B. Bošković, S. Greiner, J. Brest, and V. Žumer, "Učenje računalniškega šaha z uporabo diferencialne evolucije," in *Zbornik štirinajste mednarodne Elektrotehniške in računalniške konference ERK 2005*, pp. 71–74, 2005.
- [53] J. Brest, Š. Brest, and J. Žerovnik, "Primerjava hevrističnih algoritmov za trgovskega potnika," in *Zbornik štirinajste mednarodne Elektrotehniške in računalniške konference ERK 2005*, pp. 41–44, 2005.