

Curriculum Vitae

Name and surname:	Aleš Zamuda	
Born:	April 23 1982	in Ptuj, Republic of Slovenia (RS), EU
Languages:	native Slovenian, fluent active knowledge of English and German, Croatian (good), and French (basic understanding)	
School:	1989 – 1997	Primary school Velika Nedelja, RS, EU
	1997 – 2001	Gimnazija Ptuj, RS, EU
	2001 – 2011	Faculty of Electrical Engineering and Computer Science, University of Maribor, RS, EU
Education:	2006	B. Sc. in computer science
	2008	M. Sc. in computer science
Employment:	2006 –	Computer Architecture and Languages Laboratory, Faculty of Electrical Engineering and Computer Science, University of Maribor, RS, EU
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Aleš Zamuda was born on April 23 1982 in Ptuj, Slovenia. First he visited the primary school in Velika Nedelja. He pursued his passion for programming since the first grade. In primary school he began programming Logo, Basic, Pascal, and C; he also became acquainted with languages of web technology and visited private national and international summer schools on computer science. He continued his secondary education at Gimnazija Ptuj. Later he received B. Sc. degree in computer science from University of Maribor (UM) in 2006 as the first graduate of his generation and became an affiliate of the faculty. He successfully defended his masters thesis in computer science at UM in 2008 with the average mark of 10. During secondary education and undergraduate studies he was a Zois stipendist. In 2008 he was awarded with Andrej Perlach award by UM. His bibliography counts over fifty publications.

Currently he is an affiliate of the Faculty of Electrical Engineering and Computer Science (FERI) at the UM. He is finishing his PhD thesis in computer science on computational intelligence, combining evolutionary algorithms, artificial life, and computer animation. He is a member of the international Institute of Electrical and Electronics Engineers (IEEE) and a reviewer for several international prominent scientific journals with high impact factor on computer science. He won several competitions on programming, national and international; developed open source software and sold several applications.

Working Experience

1. Affiliated with the Faculty of Electrical Engineering and Computer Science in Computer Architecture and Languages Laboratory, first as technical staff (2006 – 2009), later as teaching assistant (from 2009 on),
 - (a) academic title: teaching assistant (2006),
 - (b) member of commission for promotion of the study programmes at FERİ (from 2007 on) and
 - (c) president of inventory central commission at FERİ (2009),
2. member of the Institute of Electrical and Electronics Engineers (IEEE), IEEE Computational Intelligence Society (CIS)
 - (a) reviewer for international scientific journals with high citation index (SCI): IEEE Transactions on Evolutionary Computation, IEEE transactions on systems, man and cybernetics. Part B. Cybernetics, Journal of industrial and management optimization, IEEE transactions on industrial electronics, International Journal of Systems Science (Taylor & Francis), Engineering Applications of Artificial Intelligence – Elsevier, Information Sciences – Elsevier,
 - (b) program committee member of the IEEE congresses on evolutionary computation (IEEE CEC 2011 (New Orleans, USA), IEEE SSCI 2011 (Paris, France), IEEE WCCI 2010 (Barcelona, Spain), IEEE CEC 2009 (Trondheim, Norway), IEEE WCCI 2008 (Hong Kong, China), IEEE CEC 2007 (Singapore), and other,
 - (c) member of Slovenian group on nature inspired algorithms and Slovenian Artificial Intelligence Society (SLAIS) and AVN.
3. B. Sc. thesis work done with honors in the Laboratory for Computer graphics and artificial intelligence entitled *Modeling and Simulation modeling tree ecosystems*, mentor full prof. dr. Nikola Guid (2006),
4. one-month practice at the Center for interdisciplinary and multidisciplinary research and studies: work on a system for e-learning Moodle in PHP (2006),
5. one-month practice in the Laboratory for Computer Graphics and Artificial Intelligence: design of a natural landscapes overgrowth simulator in C++ with Qt4 and OpenGL (2005),
6. student work in the Laboratory for heterogeneous computing systems: implementation of distributed system for RSS news processing in .NET with CSharp (2005),
7. twice for one-month practice in Ljubljana, in the company IxtlanTeam (2001, 2002),
8. one week practice at Hermes Softlab (1998), and
9. at family company A&S, networking programming (in Clipper environment) of accounting calculations application for the Kema company (1995-1997).

Pedagogical Working Experience

1. Project coordinator for subject set of Networked Games and Mobile Games at study programs R-IT FERI UM of 1st bologna level,
2. comentor at several diploma works at study programs R-IT FERI UM of 1st bologna level,
3. teaching assistaint to prof. Žumer and prof. Brest at study programs R-IT FERI UM of 1st bologna level (Computer Architectures, System Administration, and Heterogeneous Computer Systems), and 2nd bologna level of R-IT FERI UM (Connectible Systems and Intelligent Services),
4. teaching assistaint at study programme in Electrical Engineering, course Computer Science at prof. Brest (2007/2008),
5. technical assistaint at Computer Architecture and Languages Laboratory FERI UM: Programming I, Computer Science, Computer Architectures, and Principles of Programming Languages.
6. demonstrator at course Computer Science (2004/2005), and
7. demonstrator at project Computer Literation at Ljudska Univerza Ormož (1997-2003).

Technological Knowledge and Products

Technological knowledge: in-depth knowledge of C, C++, C#, Java, Delphi, PHP, Ruby programming languages; in-depth knowledge of web standards HTML, CSS, XHTML, RSS, Web 2.0, ASP.NET; in-depth knowledge of application frameworks Qt4, Win32 API, and WinForms; *SQL; in-depth knowledge of QtCreator, KDevelop, MS Visual Studio, Eclipse, JDevelop, and other IDEs, in-depth knowledge of storage formats of office suites OpenOffice.Org (Writer, Calc, Presentation) and Microsoft Office (Word, Excel, PowerPoint); in-depth knowledge of LaTeX, PDF programming; in-depth knowledge of console and graphical usage and driver programming for Linux and Windows; in-depth knowledge of BSD and Mac OS X systems, KDE and GNOME environments; programming and setup of CMS: MediaWiki, Joomla, Moodle, in-depth knowledge of OpenGL; several years of programming AI in own 2D and 3D games, computer language design, and masters thesis knowledge level in evolutionary optimization algorithms.

Products: DEMOWSA algorithm for general optimization of mathematical models or reconstruction of natural tree models, Tree Ecosystem simulation & OpenGL 3D visualization engine EcoMod, Distributed RSS viewer & crawler server for Web CMS, Web page for LabRAJ and other, Chess engine QuTeChess, board game Four in a row (with AI opponent), game Šnops (with AI car driver), game BlowUp, game Kolo sreče.

Citations in Scientific Literature

Total citations count: Scopus – 25 (h-index: 3), Google Scholar – 123.

Citations by various: authors: 19, countries: 11, universities: 15 (source: ResearcherID.com).

36 citations: BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Boriko, SEPESY MAUČEC, Mirjam, ŽUMER, Viljem. High-dimensional real-parameter optimization using self-adaptive differential evolution algorithm with population size reduction. In: IEEE World Congress on Computational Intelligence, Hong Kong, June 1-6, 2008. *WCCI 2008 Proceedings*. [S. l.]: IEEE, 2008, pp. 2032-2039.

29 citations: ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Large scale global optimization using differential evolution with self-adaptation and cooperative co-evolution. In: IEEE World Congress on Computational Intelligence, Hong Kong, June 1-6, 2008. *WCCI 2008 Proceedings*. [S. l.]: IEEE, 2008, str. 3719-3726.

25 citations: ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Differential evolution for multiobjective optimization with self adaptation. In: *CEC 2007 : 2007 Congress on Evolutionary Computation : 25-28 September 2007, Singapore*. Piscataway: Institute of Electrical and Electronics Engineers, 2007, pp. 3617-3624.

12 citations: BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, SEPESY MAUČEC, Mirjam, ŽUMER, Viljem. Dynamic optimization using self-adaptive differential evolution. In: *2009 IEEE Congress on Evolutionary Computation, IEEE CEC 2009, 18th to 21st May 2009, Trondheim, Norway : programme & abstracts*. Piscataway: IEEE, 2009, pp. 415-422.

6 citations: BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, GREINER, Sašo, ŽUMER, Viljem. An analysis of the control parameters' adaptation in DE. In: *Advances in differential evolution*, (Studies in computational intelligence, Vol. 143). Berlin; Heidelberg: Springer, 2008, pp. 89-110.

International Competitions

1. ECiDUE at congress IEEE CEC 2009 (Trondheim, Norway): 1st place (2nd author),
2. LSGO at congress IEEE WCCI CEC 2008 (Hong Kong, China): 6th place (1st author),
3. MOEA at congress IEEE CEC 2007 (Singapore): 3rd place (1st author), and
4. IEEE Region 8 (Europe, Africa, Middle East) Student Paper Contest at conference EUROCON 2007 (Warsaw, Poland): 2nd place (1st author).

National Competitions and Awards

1. University of Maribor Andrej Perlach's award for research work (2008) and three faculty awards for research work (2006, 2007, 2008),
2. memorial gift of Slovene Secretary of State for Ministry of Higher Education, Science, and Technology for visible results on international competitions in computer science, at reception for students, university and faculty leaders, and public research institutions (2007),
3. victory at competition of student papers at IEEE ERK, Portorose (2006)
4. first award and golden plaque at competition for most inventive and business oriented project Eureka! mladi (2008),
5. first award in national secondary school programming (2001),
6. two titles of elementary school national champion in programming (1995, 1997),
7. national champion in text formatting with Word (1997) and won 5th place at competition in using of program CorelDraw (1997),
8. in elementary school: two golden awards for chemistry (1996, 1997) and silver for mathematics (1997),
9. entry to golden book of Primary school Velika Nedelja (1997), admittance as talented scholar at mayor of Občina Ormož (1997) and mayor of Občina Ptuj (2001),
10. website construction which won 1st place at competition of all Slovenian primary and middle schools (1996).

Computer Science Training Before Faculty Studies, Autodidacticism

1. Seminar of programming language Java at UM FERI (1999),
2. two week international camp of computer science in Zadar, Croatia (1997): dynamic programming in Pascal, OpenGL and Unix BASH, and
3. one week summer school of computer science at SERS, Maribor (1995),
4. one week summer school of programming with Sinel in Bohinj (1994),
5. in primary school, autodidactical programming of own computer games with 2D graphics, sound, and artificial intelligence; and rapid application development IDE tools: Turbo Pascal 7.0 environment (obtained as an award at national computer science competition, 1994).

Bibliography (source: COBISS)

ARTICLES AND OTHER COMPONENT PARTS

1.01 Original scientific article

1. ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Študija samoprilaganja krmilnih parametrov pri algoritmu DEMOWSA. *Elektrotehniški vestnik*. [Slovenska tiskana izd.], 2008, vol. 75, št. 4, str. 223-228. [COBISS.SI-ID 12933654]
2. BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Globalna optimizacija problemov z velikim številom dimenzij. *Elektrotehniški vestnik*. [Slovenska tiskana izd.], 2008, vol. 75, št. 5, str. 299-304. [COBISS.SI-ID 13038614]
3. BOŠKOVIĆ, Borko, BREST, Janez, ZAMUDA, Aleš, GREINER, Sašo, ŽUMER, Viljem. History mechanism supported differential evolution for chess evaluation function tuning. *Soft computing*. [Tiskana izd.], 2011, vol. 15, no. 4, str. 667-683, doi: 10.1007/s00500-010-0593-z.

1.08 Published scientific conference contribution

4. ZAMUDA, Aleš, STRNAD, Damjan. Interaktivni modelirnik realističnih animiranih dreves. V: ZAJC, Baldomir (ur.). *Zbornik trinajste mednarodne elektrotehniške in računalniške konference ERK 2004, 27. - 29. september 2004, Portorož, Slovenija*. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, [2004?], zv. B, str. 11-14. [COBISS.SI-ID 9058326]
5. ZAMUDA, Aleš, BREST, Janez, GUID, Nikola, ŽUMER, Viljem. Construction of virtual trees within ecosystems with ecomod tool. V: International Conference on Advances in the Internet, Processing, Systems and Interdisciplinary Research, Bled, November 30-December 3, 2006. *Proceedings of the VIPSI-2006 Slovenia : Multidisciplinary, Interdisciplinary, Transdisciplinary: M+I+T++, Bled Slovenia, November 30-December 3, 2006*. Belgrade: IPSI, 2006, [5] f. [COBISS.SI-ID 11005206]
6. ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Differential evolution for multiobjective optimization with self adaptation. V: *CEC 2007 : 2007 Congress on Evolutionary Computation : 25-28 September 2007, Singapore*. Piscataway: Institute of Electrical and Electronics Engineers, 2007, str. 3617-3624. [COBISS.SI-ID 11730710]
7. ZAMUDA, Aleš, BREST, Janez, GUID, Nikola, ŽUMER, Viljem. Modelling, simulation and visualisation of forest ecosystems. V: The International Conference on Computer as a tool, Warsaw,

- Poland, September 9-12, 2007. *Region 8 Eurocon 2007 : proceedings*. Piscataway, NJ: IEEE Service Center, [2007], str. 2600-2606. [COBISS.SI-ID 11643926]
8. BOŠKOVIĆ, Borko, BREST, Janez, ZAMUDA, Aleš, ŽUMER, Viljem. Uglješevanje šahovskega programa BBChess z uporabo algoritma diferencialne evolucije. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik Šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, 24. -26. september 2007, Portorož, Slovenija*. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2007, zv. B, str. 73-76. [COBISS.SI-ID 11760662]
9. BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Večkriterijska optimizacija: primerjava algoritmov v MOJDE in DEMO. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik Šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, 24. -26. september 2007, Portorož, Slovenija*. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2007, zv. B, str. 85-88. [COBISS.SI-ID 11773718]
10. ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Večkriterijska optimizacija: eksperimentalni rezultati algoritmov MOJDE in DEMO. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik Šestnajste mednarodne Elektrotehniške in računalniške konference ERK 2007, 24. -26. september 2007, Portorož, Slovenija*. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2007, zv. B, str. 89-92. [COBISS.SI-ID 11773974]
11. BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, GREINER, Sašo, SEPESY MAUČEC, Mirjam, ŽUMER, Viljem. Self-adaptive differential evolution with SQP local search. V: FILIPIČ, Bogdan (ur.), ŠILC, Jurij (ur.). *Bioinspired optimization methods and their applications : proceedings of the Third International Conference on Bioinspired Optimization Methods and their Applications, BIOMA 2008, 13-14 October 2008, Ljubljana, Slovenia*. Ljubljana: Jožef Stefan Institute, 2008, str. 59-69. [COBISS.SI-ID 12707862]
12. BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, SEPESY MAUČEC, Mirjam, ŽUMER, Viljem. High-dimensional real-parameter optimization using self-adaptive differential evolution algorithm with population size reduction. V: IEEE World Congress on Computational Intelligence, Hong Kong, June 1-6, 2008. *WCCI 2008 Proceedings*. [S. l.]: IEEE, 2008, str. 2032-2039. [COBISS.SI-ID 12328982]
13. ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Large scale global optimization using differential evolution with self-adaptation and cooperative co-evolution. V: IEEE World Congress on Computational Intelligence, Hong Kong, June 1-6, 2008. *WCCI 2008 Proceedings*. [S. l.]: IEEE, 2008, str. 3719-3726. [COBISS.SI-ID 12329238]
14. ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Diferencialna evolucija za večkriterijsko optimizacijo s samoprilagajanjem in z lokalnim preiskovanjem SQP. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik sedemnajste mednarodne Elektrotehniške in računalniške konference ERK 2008, 29. september - 1. oktober 2008, Portorož, Slovenija*, (Zbornik ... Elektrotehniške in računalniške konference ERK ...). Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2008, zv. B, str. 103-106. [COBISS.SI-ID 12695574]
15. BOŠKOVIĆ, Borko, BREST, Janez, ZAMUDA, Aleš, ŽUMER, Viljem. Ratingiranje pri uglješevanju šahovskega programa z algoritmom diferencialne evolucije. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik sedemnajste mednarodne Elektrotehniške in računalniške konference ERK 2008, 29. september - 1. oktober 2008, Portorož, Slovenija*, (Zbornik ... Elektrotehniške in računalniške konference ERK ...). Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2008, zv. B, str. 123-126. [COBISS.SI-ID 12695830]

- 16.** ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Differential evolution with self-adaptation and local search for constrained multiobjective optimization. V: *2009 IEEE Congress on Evolutionary Computation, IEEE CEC 2009, 18th to 21st May 2009, Trondheim, Norway : programme & abstracts*. Piscataway: IEEE, 2009, str. 195-202. [COBISS.SI-ID 13217558]
- 17.** BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, SEPESY MAUČEC, Mirjam, ŽUMER, Viljem. Dynamic optimization using self-adaptive differential evolution. V: *2009 IEEE Congress on Evolutionary Computation, IEEE CEC 2009, 18th to 21st May 2009, Trondheim, Norway : programme & abstracts*. Piscataway: IEEE, 2009, str. 415-422. [COBISS.SI-ID 13217814]
- 18.** ZAMUDA, Aleš, BREST, Janez, ŽUMER, Viljem. Razpoznavna numerično kodiranih proceduralnih modelov iz slik naravnih dreves z uporabo diferencialne evolucije. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik Osemnajste mednarodne elektrotehniške in računalniške konference - ERK 2009, 21-23. september 2009, Portorož, Slovenija*. Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2009, zv. B, str. 171-174, ilustr. [COBISS.SI-ID 13463318]
- 19.** ZAMUDA, Aleš, BREST, Janez, BOŠKOVIĆ, Borko, ŽUMER, Viljem. Woody plants model recognition by differential evolution. V: FILIPIČ, Bogdan (ur.), ŠILC, Jurij (ur.). *Bioinspired optimization methods and their applications : proceedings of the Fourth International Conference on Bioinspired Optimization Methods and their Applications, BIOMA 2010, 20-21 May 2010, Ljubljana, Slovenia*. Ljubljana: Jožef Stefan Institute, 2010, str. 205-215. [COBISS.SI-ID 14126102]
- 20.** BREST, Janez, ZAMUDA, Aleš, FISTER, Iztok, SEPESY MAUČEC, Mirjam. Large scale global optimization using self-adaptive differential evolution algorithm. V: IEEE World Congress on Computational Intelligence, Barcelona, July 18-23, 2010. *WCCI 2010 Proceedings*. [S. l.]: IEEE, cop. 2010, cEC IEEE, str. 3097-3104. [COBISS.SI-ID 14281238]
- 21.** ZAMUDA, Aleš, BREST, Janez. Večkriterijska rekonstrukcija numerično kodiranih proceduralnih modelov dreves z diferencialno evolucijo. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik devetnajste mednarodne Elektrotehniške in računalniške konference ERK 2010, Portorož, Slovenija, 20.-22. september 2010*, (Zbornik ... Elektrotehniške in računalniške konference ERK ...). Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2010, zv. B, str. 169-172. [COBISS.SI-ID 14408726]
- 22.** BREST, Janez, ZAMUDA, Aleš, FISTER, Iztok, BOŠKOVIĆ, Borko, SEPESY MAUČEC, Mirjam. Constrained real-parameter optimization using a differential evolution algorithm. V: *IEEE SSCI2011 symposium series on computational intelligence : proceedings*. Piscataway: IEEE, cop. 2011, str. 9-16. [COBISS.SI-ID 14952214]

1.12 Published scientific conference contribution abstract

- 23.** ZAMUDA, Aleš, GUID, Nikola. Modeliranje, simulacija in upodabljanje gozdov. V: ZAJC, Baldomir (ur.), TROST, Andrej (ur.). *Zbornik petnajste mednarodne Elektrotehniške in računalniške konference ERK 2006, 25. - 27. september 2006, Portorož, Slovenija*, (Zbornik ... Elektrotehniške in računalniške konference ERK ...). Ljubljana: IEEE Region 8, Slovenska sekcija IEEE, 2006, zv. B, str. 391-392. [COBISS.SI-ID 10776598]
- 24.** ZAMUDA, Aleš. Testne funkcije in metrike za večkriterijsko optimizacijo. V: FILIPIČ, Bogdan (ur.), MERNIK, Marjan (ur.), PAPA, Gregor (ur.). *Zbornik povzetkov delavnic "Algoritmi po vzorih iz narave" v študijskem letu 2006/2007 : Ljubljana, september 2007*. Ljubljana: Institut "Jožef Stefan", 2007, str. 13. [COBISS.SI-ID 12763670]

- 25.** ZAMUDA, Aleš. Večkriterijska optimizacija: eksperimentalni rezultati algoritmov MOjDE in DEMO. V: FILIPIČ, Bogdan (ur.), MERNIK, Marjan (ur.), PAPA, Gregor (ur.). *Zbornik povzetkov delavnic "Algoritmi po vzorih iz narave" v študijskem letu 2006/2007 : Ljubljana, september 2007.* Ljubljana: Institut "Jožef Stefan", 2007, str. 28. [COBISS.SI-ID 12768534]
- 26.** ZAMUDA, Aleš. Interaktivno gojenje ekosistemov z operatorji evolucije. V: FILIPIČ, Bogdan (ur.), MERNIK, Marjan (ur.), PAPA, Gregor (ur.). *Zbornik povzetkov delavnic "Algoritmi po vzorih iz narave" v študijskem letu 2007/2008 : Ljubljana, september 2008.* Ljubljana: Institut "Jožef Stefan", 2008, str. 11. [COBISS.SI-ID 12755478]
- 27.** ZAMUDA, Aleš. Diferencialna evolucija z večkriterijsko optimizacijo s samoprilagajanjem in z lokalnim preiskovanjem SQP. V: FILIPIČ, Bogdan (ur.), MERNIK, Marjan (ur.), PAPA, Gregor (ur.). *Zbornik povzetkov delavnic "Algoritmi po vzorih iz narave" v študijskem letu 2007/2008 : Ljubljana, september 2008.* Ljubljana: Institut "Jožef Stefan", 2008, str. 22. [COBISS.SI-ID 12756502]

1.16 Independent scientific component part or a chapter in a monograph

- 28.** BREST, Janez, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, GREINER, Sašo, ŽUMER, Viljem. An analysis of the control parameters' adaptation in DE. V: *Advances in differential evolution*, (Studies in computational intelligence, Vol. 143). Berlin; Heidelberg: Springer, 2008, str. 89-110. [COBISS.SI-ID 12503830]
- 29.** BOŠKOVIĆ, Borko, GREINER, Sašo, BREST, Janez, ZAMUDA, Aleš, ŽUMER, Viljem. An adaptive differential evolution algorithm with opposition-based mechanisms, applied to the tuning of a chess program. V: *Advances in differential evolution*, (Studies in computational intelligence, Vol. 143). Berlin; Heidelberg: Springer, 2008, str. 287-298. [COBISS.SI-ID 12504854]

MONOGRAPHS AND OTHER COMPLETED WORKS

2.09 Master's thesis

- 30.** ZAMUDA, Aleš. *Samoprilagajanje krmilnih parametrov pri algoritmu diferencialne evolucije za večkriterijsko optimizacijo : magistrsko delo.* Maribor: [A. Zamuda], 2008. XVI, 112 str., graf. prikazi, tabele. <http://dkum.uni-mb.si/Dokument.php?id=6502>. [COBISS.SI-ID 12461846]

2.11 Undergraduate thesis

- 31.** ZAMUDA, Aleš. *Modeliranje, simulacija in upodabljanje drevesnih ekosistemov : diplomska naloga univerzitetnega študijskega programa,* (Fakulteta za elektrotehniko, računalništvo in informatiko, Diplomski dela univerzitetnega študija). Maribor: [A. Zamuda], 2006. 98 f., ilustr. [COBISS.SI-ID 10822166]

2.12 Final research report

- 32.** ZAZULA, Damjan, ŽUMER, Viljem, GUID, Nikola, ŽALIK, Borut, OJSTERŠEK, Milan, RIZMAN ŽALIK, Krista, MERNIK, Marjan, PODGORELEC, David, POTOČNIK, Božidar, BREST, Janez, KOLMANIČ, Simon, LENIČ, Mitja, STRNAD, Damjan, CIGALE, Boris, GOMBOŠI, Matej, REBERNAK, Damijan, HOLOBAR, Aleš, KRIVOGRAĐ, Sebastian, DIVJAK, Matjaž, MUNDA, Jurij, KLAJNŠEK, Gregor, ZADRAVEC, Mirko, HERIC, Dušan, KOSAR, Tomaž, DOMITER, Vid, HORVAT,

Marjan, TUTEK, Simon, NERAT, Andrej, ŠPELIČ, Denis, PIVEC, Boštjan, BREZOVNIK, Janez, ISTENIČ, Rok, OBRUL, Denis, ZAMUDA, Aleš. *Računalniški sistemi, metodologije in inteligentne storitve : zaključno poročilo o rezultatih raziskovalnega programa v obdobju 2004-2008*. Maribor: Fakulteta za elektrotehniko, računalništvo in informatiko, 2009. 1 mapa (loč. pag.). [COBISS.SI-ID 14079766]

33. ZAZULA, Damjan, GUID, Nikola, ŽALIK, Borut, OJSTERŠEK, Milan, MERNIK, Marjan, BREST, Janez, HOLOBAR, Aleš, PODGORELEC, David, KOLMANIČ, Simon, KOSAR, Tomaž, ZAMUDA, Aleš, BOŠKOVIĆ, Borko, FISTER, Iztok. *Računalniški sistemi, metodologije in inteligentne storitve : letno poročilo o rezultatih raziskovalnega programa v letu 2009 : programska skupina P2-0041*. Maribor: Fakulteta za elektrotehniko, računalništvo in informatiko, 2010. 1 mapa (loč. pag.). [COBISS.SI-ID 14078486]

2.21 Software

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