

Conf. Univ. Dr. Doru Anastasiu Popescu
Universitatea din Pitești
Facultatea de Matematică-Informatică

Titlu teză: APLICAȚII WEB. Modelare, Specificații, Complexitate, Testare și Verificare
Domeniul fundamental: Științe Exacte, domeniu: Informatică, UNIVERSITATEA DIN PITEȘTI
FACULTATEA DE MATEMATICĂ-INFORMATICĂ
Coordonator științific: prof. univ. dr. Tudor Bălănescu
Susținerea publică a teză: 28 iunie 2011
Validarea tezei de către CNATDCU: 11.12.2012
Atribuire titlu de doctor: Ordin MECTS nr. 6508/19.12.2012

Lista lucrărilor

2016

1. Doru Popescu Anastasiu, Ovidiu Domșa and Ion Alexandru Popescu, Determining the degree of similarity of answers given at a test using the editing distance, 15th International Conference on Information Technology Based Higher Education and Training ISTANBUL, 8-10 September, 2016, IEEE Xplore.
2. Doru Popescu Anastasiu, Nicolae Bold and Ion Alexandru Popescu, The generation of tests of knowledge check using genetic algorithms, 7th International Workshop on Soft Computing Applications, 24-26 August, 2016, Arad, Romania, 7th IEEE SOFA, LNCS Proceedings, 2016
3. Doru Popescu Anastasiu, Ovidiu Domșa and Nicolae Bold, About the applications of the similarity of websites regarding HTML-based webpages, 7th International Workshop on Soft Computing Applications, 24-26 August, 2016, Arad, Romania, 7th IEEE SOFA, LNCS Proceedings, 2016
4. Doru Popescu Anastasiu, Nicolae Bold and Ovidiu Domșa, A generator of sequences of hierarchical tests which contain specified keywords, International Symposium on Applied Computational Intelligence and Informatics, May 12-14, Timișoara, 2016, *IEEE Conference Proceedings*, 255-259.
5. Doru Anastasiu Popescu, Nicolae Bold and Daniel Nijloveanu, A method based on genetic algorithms for generating assessment tests used for learning, International Conference on Intelligent Text Processing and Computational Linguistics, April 3–9, Konya, Turkey, 2016, *Scopus, Springer – LNCS, ISI WoS Conference Proceedings*.
6. Doru Anastasiu Popescu, Nicolae Bold, and Ovidiu Domșa, Generating assessment tests with restrictions using genetic algorithms, IEEE International Conference on Control & Automation, June 1-3, Kathmandu, Nepal, 2016, *IEEE Conference Proceedings*.
7. Doru Anastasiu Popescu, Dan Rădulescu, Approximately similarity measurement of web sites using genetic algorithms and binary trees, ICICS 2016: 18th International Conference on Information and Communications Security, USA, June 9 - 10, 2016, pp 1016-1019

8. Bold Nicolae, Doru Anastasiu Popescu, Crearea testelor si a secventelor de teste folosind cuvinte cheie, Simpozionul Național ”The Next Generation in IT&C”, Ediția a IV-a, pp 19-20 februarie, Slatina, 2016
9. Doru Anastasiu Popescu, Ovidiu Domsa and Nicolae Bold, Group Learning, Student Clustering and Peer Mentorship, International Workshop on Intelligent Mentoring Systems, in conjunction with 13th International Conference on Intelligent Tutoring Systems (ITS2016) in Zagreb, Croatia, 7 June 2016, *Workshop Proceedings*, pp 123-134
10. Doru Popescu Anastasiu, Nicolae Bold, Model of assessment using tests formed of questions with different theoretical and practical difficulty degrees based on a genetic algorithm, International Workshop on Social Computing in Digital Education, in conjunction with 13th International Conference on Intelligent Tutoring Systems (ITS2016) in Zagreb, Croatia, 7 June 2016, *Workshop Proceedings*, pp 39-43

2015

1. Doru Anastasiu Popescu, Nicolae Bold, Alina Claudia Bold, An Algorithm Based on the Backtracking Method for Cropping-Systems and the Rotation of Cultures, The 9th International Conference INTER-ENG 2015 Interdisciplinarity in Engineering, 8 - 9 October, Tg. Mures, Romania, pp. 1-8, 2015, *Elsevier, ISI Web of Science Proceedings*, Procedia Technology
2. Doru Anastasiu Popescu, Ion Alexandru Popescu, Model of determination of coverings with web pages for a web site, The 10th International Conference On Virtual Learning, 30 - 31 October, 2015, Models and Methodologies, Technologies, Software Solutions, Timisoara, Romania, pp. 279-283, 2015, *ISI Proceedings*
3. Doru Anastasiu Popescu, Gabriel Boroghina, Web-Based Programming Model, 6th International Conference on Modeling, Simulation, and Applied Optimization, May 27-29, Istanbul, Turkey, *IEEE Xplorer*, pp. 1-4, 2015
4. Doru Anastasiu Popescu, Gabriel Boroghina, Students' computer-based distribution in high school based on options as an extension of SEI distribution program, The 10th International Conference On Virtual Learning, October 30-31, Models and Methodologies, Technologies, Software Solutions, Timisoara, Romania, pp. 329-334, 2015, *ISI Proceedings*
5. Doru Anastasiu Popescu, Dan Radulescu, Monitoring of Irrigation systems Using Genetic Algorithms, 6th International Conference on Modeling, Simulation, and Applied Optimization, May 27-29, Istanbul, Turkey, *IEEE Xplorer*, pp. 1-4, 2015
6. Doru Anastasiu Popescu, Dan Radulescu, Approximately Similarity Measurement of Web Sites, 22th International Conference on Neural Information Procession, Nov. 09-12, Istanbul, Turkey, *Springer Proceedings*, LNCS, Part IV, pp. 624-630, 2015
7. Doru Anastasiu Popescu, Algorithms for the Skyline Problem, Buletin Stiintific - Universitatea din Pitesti Seria Matematica si Informatica, Nr. 20, 2014.

2014

1. Doru Anastasiu Popescu, Nicolae Bold, System of monitoring the irrigation of an agricultural surface, The 9th International Conference On Virtual Learning, October 24 - October 25, 2014, Models and Methodologies, Technologies, Software Solutions, Bucharest, Romania, *ISI Proceedings*, pp. 373-378, 2014
2. Doru Anastasiu Popescu, Nicolae Bold, System of monitoring animals from a zoo, The 9th International Conference On Virtual Learning, October 24 - October 25, 2014, Models and Methodologies, Technologies, Software Solutions, Bucharest, Romania, *ISI Proceedings*, pp. 369-372, 2014
3. Doru Anastasiu Popescu, Dragos Nicolae, Determining the similarity of two web applications using the edit distance, 6th International Workshop on Soft Computing Applications, 24-26 July, 2014, Timisoara, Romania, 6th IEEE SOFA, *LNCS Proceedings*, pp. 681-690, 2014
4. Doru Anastasiu Popescu, Dan Andrei Rusu, Testing model for web applications using Sink Web Pages and Finite State Machines, International Journal of Software and Web Sciences, Issue 7 Volume 1, December 2013-February 2014, pp. 1-3, 2014
5. Doru Anastasiu Popescu, Bold Nicolae, The electronic verification of the weight and the amount of food consumed by animals in a farm, 6th International Workshop on Soft Computing Applications, 24-26 July, 2014, Timisoara, Romania, 6th IEEE SOFA, *LNCS Proceedings*, pp. 115-124, 2014
6. Doru Anastasiu Popescu, Bold Nicolae, Modeling and testing web applications by using a reduced number of web pages, International Journal of Engineering Research & Industrial Applications (IJERIA), Vol.7, No. IV, November, pp. 13-20, 2014
7. Doru Anastasiu Popescu, Algorithms for the Skyline Problem, Buletin Stiintific - Universitatea din Pitesti Seria Matematica si Informatica, Nr. 20 (2014), pg.61-67, 2014
8. Doru Anastasiu Popescu, An Implementation of the Greedy Algorithm for Multicore Systems, University of Pitesti Scientific Bulletin, Series: Electronics and Computers Science, Vol 14, Issue 2, pp. 1-4, 2014

2013

1. Doru Anastasiu Popescu, Nicolae Bold, Web application presentation of timetable for a university website, The 8th International Conference On Virtual Learning, October 25 - October 26, Models and Methodologies, Technologies, Software Solutions, Bucharest, Romania, *ISI Proceedings*, Editura Univ. Bucuresti, pp. 253 – 256, 2013
2. Doru Anastasiu Popescu, Model for calculating the rank of a web page, The 8th International Conference On Virtual Learning, October 25 - October 26, 2013, Models and Methodologies, Technologies, Software Solutions, Bucharest, Romania, *ISI Proceedings*, Editura Univ. Bucuresti, pp. 54 – 59, 2013
3. Doru Anastasiu Popescu, Dragoş Nicolae, Generating a class schedule with reduced number of constraints, The 9th International Scientific Conference eLearning and software for Education, Bucharest, April 25-26, *ISI Proceedings*, pp. 297-300, 2013

4. Doru Anastasiu Popescu, A Model for Determining the Set of Characterization of D-Systems, Buletin Stiintific - Universitatea din Pitesti Seria Matematica si Informatic a, Nr. 19 (2013), pp.125-131, 2013

2012

1. Doru Anastasiu Popescu, Sink Web Pages in Web Application, IAPR TC3 Workshop on Partially Supervised Learning (PSL2011), September 15-16, Germany, *Proceedings LNCS 7081 Springer*, pp. 154-158, 2012

2. Doru Anastasiu Popescu, Dragoş Nicolae, Verification of Web Sites with Fixed Cost, Journal Software Engineering, Vol.2, No.4, October, pp. 124-128, 2012

3. Doru Anastasiu Popescu, Dragos Nicolae, Similarity Measurement of Web Sites, 5th International Workshop on Soft Computing Applications, 22-24 August, 2012, Szeged, Hungary, 5th IEEE SOFA, *Springer LNCS*, Soft Computing Applications, AISC 195, pp. 349-356, 2012

4. Doru Anastasiu Popescu, Dragoş Nicolae, Degree of Similarity of Web Applications, Second International Symposium on Communicability, Computer Graphics and Innovative Design for Interactive Systems (CCGIDIS 2012), Proceedings Advanced Research and Trends in New Technologies, Software, Human-Computer Interaction, and Communicability, pp. 312- 318, 2012

5. Doru Anastasiu Popescu, Catrinel Maria Danauta, Validation of a Web Application by Using a Limited Number of Web Pages, BRAIN, Broad Research in Artificial Intelligence and Neuroscience, Volume 3, Issue 1, February, pp. 33-36, 2012

2011

1. Doru Popescu Anastasiu, Catrinel Maria Danauta, Similarity measurement of web sites using sink web pages, 34th International Conference on Telecommunications and Signal Processing, TSP 2011, August 18-20, Budapest, Hungary, *IEEE Xplore*, pp. 24-26, 2011

2. Doru Anastasiu Popescu, WSC Number for Measuring the Quality of the Navigation in Web Sites using the Cloning Relation, The Third Doctoral Student Workshop, May 14-15, Pitesti, 2011

3. Doru Anastasiu Popescu, Static Web Pages that Unbalance the Complexity of the Web Applications, Analele Universitatii de Vest din Timisoara, Seria Matematica-Informatica, Vol. 49, No.2, Rev. B+, pag. 3-9, 2011

4. Doru Anastasiu Popescu, Measuring the Quality of the Navigation in Web Sites Using the Cloning Relation, Analele Universitatii Spiru Haret, Seria Matematica-Informatica, Vol. 7, No.1, pp. 5 – 10, Rev. B+, 2011

5. Doru Anastasiu Popescu, Dan Andrei Rusu, A method of finding web pages that need to be verified and tested in the process of developing a web application, The 5th Edition of the International Conference “Education and Creativity for a Knowledge Society”, Section

Computer Science, Theme: "Efficiency by Structuring and Information", Bucharest, 11-12 November, pp. 41-43, 2011

6. Doru Anastasiu Popescu, Catrinel Maria Danauta, Verification of the web application using sink web pages, The 6th International Conference On Virtual Learning, 28 – 29 Oct., Models and Methodologies, Software Solutions, *ISI Poceedings*, pp. 485-491, 2011 and Volume 2 Issue-1 – Special Issue on Computer Science for Future Education (Selected Papers from 6th ICVL 2011), pp. 63-68, 2012

7. Doru Anastasiu Popescu, A relation between web pages, CKS 2011 Challenges of the Knowledge Society "Nicolae Titulescu" University from Bucharest and "Complutense" University from Madrid, Bucharest, April, 15-16, 2011, indexed BDI by EBSCO-CEEAS, published in partnership with "Pro Universitaria Publishing House", recognized by "The National University Research Council" - CNCSIS. CKS Proceedings pp. 2026-2033, 2011

8. Doru Anastasiu Popescu, A method of determining the static web pages that unbalanced the complexity of the web application, The 6th International Conference On Virtual Learning, 28-29 Oct., Models and Methodologies, Software Solutions, *ISI Proceedings*, pp. 229-233, 2011

2010

1. Doru Popescu Anastasiu, Method for Verification Web Application, The 18th Conference on Applied and Industrial Mathematics, CAIM 2010, October 14-17, Iasi, Romania, 2010

2. Doru Popescu Anastasiu, A method for reducing the number of static web pages that have to be verified and tested in a web application, The 2nd International Conference on Operational Research ICOR 2010, Proceedings of the 1st International Workshop on Mathematics and ICT: Education, Research and Applications/ - Bucuresti: Conspress, pp. 53-79, 2010

3. Doru Popescu Anastasiu, W3C-Markup Validation Service, Simpozionul Nat»ional "The Next Generation in IT and C", Editia a II-a, Slatina, ISSN 2067-7081, 2010

4. Doru Popescu Anastasiu, Reducing the navigation graph associated to a web application, Buletin Stiintific - Universitatea din Pitesti, Seria Matematica si Informatica, Nr. 16 (2010), p. 125-130, 2010

5. Doru Popescu Anastasiu, Modelul obiectual pentru testarea aplicatiilor web, SOFTNEWS, Craiova, No. 6/2010, ISSN: 2066-8295, 2010

6. Doru Popescu Anastasiu, Modelul comportamental pentru testarea aplicatiilor web, SOFTNEWS, Craiova, No. 6/2010, ISSN: 2066-8295, 2010

7. Doru Popescu Anastasiu, Loredana Baranescu, The complexity of static Web pages created with HTML, SOFTNEWS, Craiova, No. 5/2010, pp. 144-149, ISSN: 2066-8295, 2010

8. Doru Popescu Anastasiu, Classification of Links and Components in Web Applications, The 2nd International Conference on Operational Research ICOR 2010, Proceedings of the 1st International Workshop on Mathematics and ICT: Education, Research and Applications/ - Bucuresti: Conspress, pp. 60-70, 2010

9. Doru Popescu Anastasiu, Catrinel Maria Danauta, A method of selection of the files to be submitted to verification and testing in the process of web applications development, The 18th Conference on Applied and Industrial Mathematics, CAIM 2010, October 14-17, 2010, Iasi, Romania, 2010

10. Doru Anastasiu Popescu, Zoltan Szabo, Sink web pages of web application, The 5th International Conference On Virtual Learning, October 29 - October 31, 2010, Models and Methodologies, Technologies, Software Solutions, *ISI Proceedings*, pp. 375-379, 2010

11. Doru Anastasiu Popescu, Using the complexity of web pages for testing a web applications, The Second Doctoral Workshop in Computer Science, May 8-9, Pitesti, 2010

12. Doru Anastasiu Popescu, Catrinel Maria Danauta, Zoltan Szabo, A method of measuring the complexity of a web application from the point of view of cloning, The 5th International Conference On Virtual Learning, October 29- 31, Models and Methodologies, Technologies, Software Solutions, *ISI Proceedings*, pp. 186-190, 2010

2009

1. Doru Popescu Anastasiu, Violeta Balan, Sisteme de evaluare, SOFTNEWS, Craiova, No. 1/2009, pp. 54-57, ISSN: 2066-8295, 2009

2. Doru Popescu Anastasiu, Validatoare pentru aplicatii web, Simpozionul National "The Next Generation in IT and C", Editia a I-a, Rm. Vâlcea, ISSN 2067-7081, 2009

3. Doru Popescu Anastasiu, Testing web application navigation based on component complexity, Buletin Stiintific - Universitatea din Pitesti, Seria Matematica si Informatica, Nr. 15, pp. 107-118, 2009

4. Doru Popescu Anastasiu, Testarea si verificarea aplicatiilor PHP, Simpozionul National "The Next Generation in IT and C", Editia a I-a, Rm. Vâlcea, ISSN 2067-7081, 2009

5. Catrinel Maria Danauta, Doru Popescu Anastasiu, Method of reduction of the web pages to be verified when validating a web site, Buletin Stiintific - Universitatea din Pitesti, Seria Matematica si Informatica, Nr. 15, pp. 19-24, 2009

2005-2006

1. Doru Popescu Anastasiu, Probabilistic program that generates Langford sequences, Buletin Stiintific - Universitatea din Pitesti, Seria Matematica si Informatica, Nr. 12 (2006), pp. 129-133, 2006

2. Doru Popescu Anastasiu, Langford sequences Buletin Stiintific - Universitatea din Pitesti, Seria Matematica si Informatica, Nr. 11 (2005), pp. 149-154, 2005

3. Doru Popescu Anastasiu, Interpolation polynomials. Application in finding some combinatorial formulas, ROMAI Journal, Nr. 2/2005, pp.. 149-156, B+, 2005

4. Doru Popescu Anastasiu, Andrei Eugeniu Ioniță, Combinatorică si teoria grafurilor, Editura Rhabon, Tg. Jiu, 2005, ISBN 973-7717-30-9

1991-2000

1. Doru Anastasiu Popescu, Principiul Inductiei in Geometrie, Gazeta de Informatica, Nr. 2/2000, pp. 22-26, 2000
2. Doru Anastasiu Popescu, Principiul includerii si excluderii, Gazeta de Informatica, Nr. 6/1999, pp. 30-32, 1999
3. Doru Anastasiu Popescu, Principiul inductie matematice in informatica, Gazeta de Informatica, Nr. 3/1998, pp. 37-40, 1998
4. Doru Anastasiu Popescu, On some inequalities for acute triangles, Spania, Siproma Matematica Nr. 1/1998
5. Doru Anastasiu Popescu, Asupra unei inegalitati geometrice, Revista Cardinal, Nr. 2-3/1997
6. Doru Anastasiu Popescu, Aplicatii ale inegalitatii mediilor, Revista de matematica M*M Nr. 1/1994
7. Doru Anastasiu Popescu, Puncte de articulatie si puncti. Gazeta de Informatica, Nr. 5/1993, pp. 12-14, 1993
8. Doru Anastasiu Popescu, Puncte de articulatie si puncti. Gazeta de Informatica Nr. 5/1993
9. Doru Anastasiu Popescu, Generalizarea Problemei E:8575*, Gazeta Matematica Nr. 7/1991

Informatică didactică (manuale și culegeri de probleme)

1. Doru Anastasiu Popescu, Algoritmi în QBASIC. Aplicatii pentru laborator, Editura DOVA, Craiova 1997
2. Doru Anastasiu Popescu, Manual de Informatica pentru clasele V-VIII, Editura SIGMA, Bucuresti 1998
3. Doru Anastasiu Popescu, în colaborare, Bacalaureat si Atestat, Editura L&S, Bucuresti, 1999
4. Doru Anastasiu Popescu, Probleme de Informatica pentru gimnaziu si liceu, Editura ALL, Bucuresti, 2000
5. Doru Anastasiu Popescu, în colaborare, Bacalaureat la Informatica, Editura L&S, Bucuresti, 2002
6. Doru Anastasiu Popescu, Fundamentele Programarii, în colaborare, Editura L&S, Bucuresti, 2003
7. Doru Anastasiu Popescu, Ovidiu Staicu, Informatica pentru clasa a V-a, Editura ARVES, 2003, avizat MEC

8. Doru Anastasiu Popescu, Ovidiu Staicu, Informatica pentru clasa a VI-a, Editura ARVES, 2003, avizat MEC
9. Doru Anastasiu Popescu, Ovidiu Staicu, Informatica pentru clasa a VII-a, Editura ARVES, 2003, avizat MEC
10. Doru Anastasiu Popescu, Ovidiu Staicu, Informatica pentru clasa a VIII-a, Editura ARVES, 2003, avizat MEC
11. Doru Anastasiu Popescu, Bacalaureat la informatica. Notiuni recapitulative. teze pregatitoare, Editura L&S, Bucuresti, 2004
12. Doru Anastasiu Popescu, Bacalaureat la informatica, in colaborare, Editura L&S, Bucuresti, 2005
13. Doru Anastasiu Popescu, Bacalaureat la informatica, in colaborare, Editura L&S, Bucuresti, 2006
14. Doru Anastasiu Popescu, Informatica pentru Gimnaziu, Editura L&S, Bucuresti, 2007
15. Doru Anastasiu Popescu, Balan Mircea, Tehnologia Informatiei si Comunicarii pentru Gimnaziu, Editura L&S, Bucuresti, 2008
16. Doru Anastasiu Popescu, Informatica pentru Gimnaziu, Culegere de probleme, Pascal si C++, Editura L&S, Bucuresti, 2009
17. Doru Anastasiu Popescu, Tehnologia Informatiei si Comunicarii, Informatică pentru clasa a V-a, Editura L&S, Bucuresti, 2012
18. Doru Anastasiu Popescu, Informatica pentru Gimnaziu, Culegere de probleme, Pascal si C++, Editura L&S, Bucuresti, 2012
19. Doru Anastasiu Popescu, Tehnologia Informatiei si Comunicarii, Informatică pentru clasa a VI-a, Editura L&S, Bucuresti, 2013
20. Doru Anastasiu Popescu, Tehnologia Informatiei si Comunicarii, Informatică pentru clasa a VII-a, Editura L&S, Bucuresti, 2014
21. Alina Boca, Doru Popescu Anastasiu, Vlad Tudor, Mișu Ionescu, Tehnologia Informatiei si Comunicarii, Informatică pentru clasa a VIII-a, Editura L&S, Bucuresti, 2015

21.05.2016