

# Lista lucrărilor științifice

Popescu Daniela Elena

## 1. Lucrari stiintifice relevante

1. AM Lonea, **DE Popescu**, H Tianfield  
Detecting Distributed Denial of Service (DDoS) Attacks in Cloud Computing Environment, International Journal of Computers, Communications & Control, IJCCC, ISSN: 1841-9836, eISSN: 1841-9844  
[Accession Number: WOS:000312043600008](#) (ISI Journal)
2. **DE Popescu**, AM Lonea  
An Hybrid Text-Image Based Authentication for Cloud Services, INT J COMPUT COMMUN, ISSN 1841-9836, 8(2):263-274, April, 2013, International Journal of Computers, Communications & Control, IJCCC, ISSN: 1841-9836, eISSN: 1841-9844,  
[Accession Number: WOS:000314903200008](#) (ISI Journal)
3. AM Lonea, H Tianfield, **DE Popescu**  
Identity Management for Cloud Computing, New Concepts and Applications in Soft Computing Volume 417, 2013, pp 175-199, ISSN: 1860949X, ISBN: 978-364228958-3, Source Type: Book series, DOI: 10.1007/978-3-642-28959-0-11  
Document Type: Conference Paper, <https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84867464838&origin=publicationMetricPage>, SCOPUS (13 citari) (**Springer**)
4. A.M. Lonea, **D.E. Popescu** and O. Prostean  
A Survey of Management Interfaces for Eucalyptus Cloud, IEEE 7th International Symposium on Applied Computational Intelligence and Informatics, SACI 2012, Timisora, Romania, May 24-26, 2012, pp. 261- 266, ISBN: 978-1-4673-1013-0 (**IEEE**)
5. AM Lonea, **DE Popescu**, O Prostean, H Tianfield  
Evaluation of Experiments on Detecting Distributed Denial of Service (DDoS) Attacks in Eucalyptus Private Cloud, SOFT COMPUTING APPLICATIONS  
Book Series: Advances in Intelligent Systems and Computing, Volume: 195 Pages: 367-379, Published: 2013, Conference: 5th International Workshop Soft Computing Applications (SOFA), Szeged, HUNGARY, AUG 22-24, 2012, Publisher SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY, ISBN:978-3-642-33940-0; 978-3-642-33941-7, ISSN: 2194-5357  
[Accession Number: WOS:000314077300034](#) (ISI Proceeding)
6. AM Lonea, **DE Popescu**, O Prostean  
The overall process taken by enterprises to manage the IaaS cloud services, Conference: 6th European Conference on Information Management and Evaluation (ECIME) Location: Univ Coll Cork, Cork, IRELAND Date: SEP 13-14, 2012, Proceedings Of The 6th European Conference On Information Management And Evaluation, Pages: 168-177, Published: 2012  
[Accession Number: WOS:000321564000021](#) (ISI Proceeding)
7. D.Zmaranda, Gianina Gabor, **D.E. Popescu**, C.Vancea, Fl. Vancea  
Using Fixed Priority Pre-emptive Scheduling in Real-Time Systems, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 6 Issue: 1 Pages: 187-195, Published: MAR, 2011, ISSN: 1841-9836  
[Accession Number: WOS:000285329000018](#)
8. **D.E. Popescu**, AM Lonea, D.Zmaranda, C.Vancea, C.Tiurbe  
Some Aspects about Vagueness & Imprecision in Computer Network Fault-Tree Analysis, International Journal of Computers Communications & Control Volume: 5 Issue: 4 Pages: 558-566 Published: NOV 2010, ISSN: 1841-9836  
[Accession Number: WOS:000282600700015](#)
9. **D.E. Popescu**  
A Proposed Cache Line Implementation Solution with Error/Correcting Capabilities for Managing Cache Coherency in Multiprocessor Systems, , ACTA ELECTROTECHNICA ET INFORMATICA, pp.68-74, ISSN 1335-8243, 2009  
<http://www.aei.tuke.sk/papers/2009/3/2009-3.htm#POP>
10. **D.E. Popescu**, A.Dodescu, P.Filip  
Cloud Service Management System for Innovative Clusters. Application for North-West Region of Romania, International Journal of Computers Communications & Control, data publicarii 2014/6/15, Vol.9, nr.4, pag.453-462, ISSN: 1841-9836, eISSN: 1841-9844  
[Accession Number: WOS:000337771000007](#)

## 2. Teza de doctorat

T1. : Contribuții la testarea asistată de calculator și sinteza testabilă a echipamentelor de calcul cu fiabilitate sporită, Universitatea „Politehnica” Timișoara, Facultatea de Automatică și Calculatoare. Conducătorul științific al tezei – prof.univ.dr.ing. Mircea Vlăduțiu

## 3. Cărți și capitole de carte

### 3.1 Capitole publicate în volume colective

- C1. Book chapter: Popescu, D.E, Lonea M.A: “Mobile Cloud Computing”, Book chapter in New Trends in Mobile and Web Development 2012, The Publication series of University of Applied Sciences, 2012, Series reports and other current Publications, pp.287-336
- C2. Book chapter: Lonea, A.M., Tianfield, H. and Popescu, D. E., “Identity Management for Cloud Computing”, Book Chapter in "New Concepts and Applications in Soft Computing", Studies in Computational Intelligence, Volume 417/2012, pp.175-199

### 3.2 Cărți/cursuri publicate în edituri recunoscute (Ca1, Ca2 etc.)

- Ca1. **D.E. Popescu**, Elemente de arhitecturi a serviciilor AWS pentru realizarea site-urilor statice, Editura Univesitatii din Oradea 2015, ISBN: 978-606-10-1717 -1
- Ca2. **D.E. Popescu**, Tehnologii multimedia si arhitecturi orientate internet, Editura Universitatii din Oradea, 2011, ISBN 978-606-10-0440-9
- Ca3. **D.E. Popescu**, M.Vladutiu, Managementul securitatii informatiei, Editura universitatii din Oradea, 2011, ISBN: 978-606-10-0678-6
- Ca4. **D.E. Popescu**, Elemente de electronica digitala, Editura Universitatii din Oradea, 2008, ISBN 978-973-752-640-6, pag. 374
- Ca5. **D.E. Popescu**, *Managementul securitatii datelor*, Editura Universitatii din Oradea, 2008, ISBN 978-973-752-640-6, 347 pag
- Ca6. **D.E. Popescu**, Testarea sistemelor digitale, Editura Universității din Oradea, ISBN 973-613-418-0, 2003
- Ca7. **D.E. Popescu** Arhitectura și organizarea sistemelor convenționale de calcul, Editura Universității din Oradea, ISBN 973-613-225-0, 2002
- Ca8. C.Popescu, **D.E. Popescu**, *Fiabilitatea si testabilitatea sistemelor*, Editura Matrix București 2000, ISBN 973-685-299-9, 300 pag
- Ca9. **D.E. Popescu**, N. Drăghiciu, *Tehnologie electronică și fiabilitate*, Imprimeria de Vest R.A.Oradea, ISBN 973-9329-74-8, 2000
- Ca10. **D.E. Poppescu**, C.Popescu, *Arhitectura și organizarea sistemelor convenționale de calcul – îndrumător de laborator*, Editura Universității din Oradea, ISBN 973-613-225-9, 2003
- Ca11. M.Stratulat, **D.E. Popescu**, O.Poszet, *Circuite digitale – îndrumător de lucrări de laborator*, Editura Matrix Rom., București, ISBN 973-685-248-2, 2000
- Ca12. **D.E. Popescu**, C.Popescu, *Circuite digitale elementare*, Editura Matrix Rom., București, ISBN 973-685-123-0, 2000
- Ca13. **D.E. Popescu**, *Introducere în arhitectura sistemelor convenționale de calcul*, Editura Matrix Rom., București, ISBN 973-685-067-6, 2000

### 3.3 Material multimedia elaborat pentru studenti

- Ca14. Lucrari de laborator pentru disciplina Cloud Computing in format video incarcate pe YouTube pe canalul Daniela Elena Popescu, la adresa: <https://www.youtube.com/channel/UC2688EfUNyjUGq4WIPFBqxg>

## 4. Articole indexate ISI Web of Science

### 4.1 Jurnale ISI WoS

- CB1. DJ (Hemanth, Duraisamy Jude); Umamaheswari, S (Umamaheswari, Subramaniyan); **Popescu, DE** (Popescu, Daniela Elena) ; Naaji, A (Naaji, Antoanela) Application of Genetic Algorithm and Particle Swarm Optimization techniques for improved image steganography systems, Hemanth, OPEN PHYSICS, Volume: 14 Issue: 1 Pages: 452-462, Published: JAN 2016, DOI: 10.1515/phys-2016-0052, [Accession Number: WOS:000394270500008](#)
- CB2. **Popescu D.E.**, Bungau C., Prada M., Domuta C., Bungau S., Tit D. M. Waste Management Strategy at a Public University in Smart City Context, Journal of Environmental Protection and Ecology, Vol. 17, No. 3, pp. 1011-20, 2016, ISSN 1311-5065, [Accession Number: WOS:000385910400020](#)
- CB3. **D.E. Popescu**, A.Dodescu, P.Filip Cloud Service Management System for Innovative Clusters. Application for North-West Region of Romania, International Journal of Computers Communications & Control, data publicarii 2014/6/15, Vol.9, nr.4, pag.453-462, ISSN: 1841-9836, eISSN: 1841-9844 [Accession Number: WOS:000337771000007](#)
- CB4. AM Lonea, **DE Popescu**, H Tianfield Detecting Distributed Denial of Service (DDoS) Attacks in Cloud Computing Environment International Journal of Computers, Communications & Control, IJCCC, ISSN: 1841-9836, eISSN: 1841-9844 [Accession Number: WOS:000312043600008](#)
- CB5. **DE Popescu**, AM Lonea An Hybrid Text-Image Based Authentication for Cloud Services, INT J COMPUT COMMUN, ISSN 1841-9836, 8(2):263-274, April, 2013, International Journal of Computers, Communications & Control, IJCCC , ISSN: 1841-9836, eISSN: 1841-9844, [Accession Number: WOS:000314903200008](#)
- CB6. M.F. Prada, S. Brata, D.F. Tudor, **D.E. Popescu** Reducing Gas Emissions According UE Energy Policy Targets, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 14 Issue: 1 Pages: 209-215, Published: 2013, ISSN: 1311-5065 [Accession Number: WOS:000317437400025](#)
- CB7. FI. Vancea, C.Vancea, **D.E. Popescu**, D.Zmaranda, Gianina Gabor Secure Data Retention of Call Detail Records, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 5 Issue: 5 Pages: 961-967 Published: DEC 2010, ISSN: 1841-9836 [Accession Number: WOS:000283908700040](#)
- CB8. **D.E. Popescu**, Madalina Alina Lonea, D.Zmaranda C.Vancea, , C.Tiurbe Some Aspects about Vagueness & Imprecision in Computer Network Fault-Tre Analysis, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 5 Issue: 4 Pages: 558-566 Published: NOV 2010, ISSN: 1841-9836 [Accession Number: WOS:000282600700015](#)
- CB9. D.Zmaranda, Gianina Gabor, **D.E. Popescu**, C.Vancea, FI. Vancea Using Fixed Priority Pre-emptive Scheduling in Real-Time Systems, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 6 Issue: 1 Pages: 187-195, Published: MAR, 2011, ISSN: 1841-9836 [Accession Number: WOS:000285329000018](#)

CB10. Pater M., **Popescu, D.E.**

Multi-level database mining using AFOPT data structure and adaptive support constrains, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 3 , Pages437-441 Supplement: S, Published: 2008, ISSN: 1841-9836

[Accession Number: WOS:000257497600071](#)

Ri1. **Popescu D.E.**, Pater M.

A performance Comparative Analysis for Three Different Topological Tests Generation Algorithms, INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Volume: 3, Pages: 454-459 Supplement: S, Published: 2008, ISSN: 1841-9836

[Accession Number: WOS:000257497600074](#)

### 3.2 Conferințe ISI WoS

**Ci1.** Prada M.F., **Popescu D.E.**, Bugău C. Building Education, Source of Energy Saving in Romania, Proceedings of the15th edition National Technical-Scientific Conference Modern Technologies for the 3rd Millennium November 27-28, 2015 - Oradea (Romania), ISBN 978-88-7587-724-8,

[Accession Number: WOS:000378314000027](#)

**Ci2.** **Popescu, D.E;** Pater, M

The use of genetic algorithms for optimizing the reliability of a danger control system design, Book Group Author(s): IEEE Conference: 2nd IEEE International Workshop on Soft Computing Applications (SOFA 2007) Location: Gyula, HUNGARY Date: AUG 21-23, 2007, SOFA 2007: 2ND IEEE INTERNATIONAL WORKSHOP ON SOFT COMPUTING APPLICATIONS, PROCEEDINGS Pages: 129-+ Published: 2007, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, DOI: 10.1109/SOFA.2007.4318317, ISBN:978-1-4244-1607-3

[Accession Number: WOS:000249888900022](#)

**Ci3.** **Popescu D.E.**, Prada M., Mancia A.

Some Aspects About The New Green Data Center Challenge, Conference: 11th WSEAS International Conference on Sustainability in Science Engineering (SSE 09) Location: Timisoara, ROMANIA Date: MAY 27-29, 2009, ISBN:978-960-474-080-2

[Accession Number: WOS:000269057100038](#)

**Ci4.** **Popescu D.E.**, Prada M.F.I., Gombos D.,

Building Management Systems –Tool For Green Building And For Monitoring Building Degradation, Conference: 11th WSEAS International Conference on Sustainability in Science Engineering (SSE 09) Location: Timisoara, ROMANIA Date: MAY 27-29, 2009, SSE '09: PROCEEDINGS OF THE 11TH WSEAS INTERNATIONAL CONFERENCE ON SUSTAINABILITY IN SCIENCE ENGINEERING Pages: 336-+ Published: 2009, ISBN:978-960-474-080-2

[Accession Number: WOS:000269057100055](#)

**Ci5.** M.F. Prada, S. Brata, D.F. Tudor, **D.E. Popescu**

Energy Saving In Europe And In The World – A Desideratum At The Beginning Of The Millenium Case Study For Existing Buildings In Romania, Conference: 11th WSEAS International Conference on Sustainability in Science Engineering (SSE 09) Location: Timisoara, ROMANIA Date: MAY 27-29, 2009, SSE '09: PROCEEDINGS OF THE 11TH WSEAS INTERNATIONAL CONFERENCE ON SUSTAINABILITY IN SCIENCE ENGINEERING Pages: 246-+ Published: 2009, ISBN:978-960-474-080-2

[Accession Number: WOS:000269057100041](#)

**Ci6.** **Popescu D.E.**, Pater M.

Some Aspects Related With The Performability Of The Sequential Multipliers Units, Book Group Author(s): IEEE Conference: 3rd International Workshop on Soft Computing Applications Location: Szeged, HUNGARY Date: JUL 29-AUG 01, 2009, SOFA 2009: 3RD INTERNATIONAL WORKSHOP ON SOFT COMPUTING APPLICATIONS,

PROCEEDINGS Pages: 125-130 Published: 2009, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, ISBN:978-1-4244-5054-1

[Accession Number: WOS:000275159600023](#)

Ci7. **Popescu D.E.**, Pater M.

Market-Basket Problem Solved With Depth First Multi-Level Apriori Mining Algorithm, Book Group Author(s): IEEE Conference: 3rd International Workshop on Soft Computing Applications Location: Szeged, HUNGARY Date: JUL 29-AUG 01, 2009, ISBN:978-1-4244-5054-1

[Accession Number: WOS:000275159600024](#)

Ci8. **Popescu D.E.**, Prada M.FI.

About The Buildings' Danger Control Systems Vulnerabilities, KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 3, PROCEEDINGS, Book Series: Lecture Notes in Artificial Intelligence, Volume: 5179 Pages: 650-+, Published: 2008, Conference: 12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Location: Zagreb, CROATIA, Date: SEP 03-05, 2008, Publisher SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY, ISBN:978-3-540-85566-8, ISSN: 0302-9743

[Accession Number: WOS:000259398600080](#)

Ci9. Pater M., **Popescu DE**

The Benefits Of Using Prefix Tree Data Structures In Multi-Level Frequent Pattern Mining, Book Group Author(s): IEEE, SOFA 2007: 2ND IEEE INTERNATIONAL WORKSHOP ON SOFT COMPUTING APPLICATIONS, PROCEEDINGS, Pages: 179-+, DOI: 10.1109/SOFA.2007.4318326, Published: 2007, Conference: 2nd IEEE International Workshop on Soft Computing Applications (SOFA 2007), Gyula, HUNGARY, AUG 21-23, 2007, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, ISBN:978-1-4244-1607-3

[Accession Number: WOS:000249888900030](#)

Ci10. **D.E. Popescu**, C.Popescu

Efficient Algorithms for Testing The Two-Level Carry Skip Adder, IEEE MWSCAS'06: PROCEEDINGS OF THE 2006 49TH MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS, VOL II

Book Series: Midwest Symposium on Circuits and Systems Conference Proceedings, Pages: 319-+, Published: 2006, Conference: 49th, IEEE International Midwest Symposium on Circuits and Systems, San Juan, PR, AUG 06-09, 2006, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, ISBN:978-1-4244-0172-7, ISSN: 1548-3746

[Accession Number: WOS:000249557100068](#)

Ci11. C. Popescu, **D.E. Popescu**

A Minimal Testing Technique for Single Stuck-At Faults in a Pyramidal Carry Lookahead Adder (PyCLA), Book Group Author(s): ieee, 2004 47TH MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS, VOL III, CONFERENCE PROCEEDINGS, Pages: 439-442, Published: 2004, Conference: 47th Midwest Symposium on Circuits and Systems (MWSCAS 2004), Location: Hiroshima Univ, Hiroshima, JAPAN, JUL 25-28, 2004, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA, ISBN:0-7803-8346-X

[Accession Number: WOS:000225098800111](#)

Ci12. **D.E. Popescu**, C.Popescu

The C-testability analysis for the Improved Superblock Carry Lookahead adder – ISBCLA, 2002 45TH MIDWEST SYMPOSIUM ON CIRCUITS AND SYSTEMS, VOL II, CONFERENCE PROCEEDINGS, Pages: 469-472, Published: 2002, Conference: 45th Midwest Symposium on Circuits and Systems (MWSCAS 2002), TULSA, OK, AUG 04-07, 2002, Publisher IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA

[Accession Number: WOS:000181336800119](#)

Ci13. **Popescu D.E.**, Pater M.

Aspects About Adders Pseudorandom Testing Techniques, Conference: 19th International Symposium of the Danube-Adria-Association-for-Automation-and-



Manufacturing Location: Trnava, SLOVAKIA Date: OCT 22-25, 2008, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Book Series: Annals of DAAAM and Proceedings, Pages: 1121-1122, Published: 2008, ISSN: 17269679, ISBN: 978-390150968-1

Accession Number: [WOS:000262860100560](#)

Ci14. Alina Madalina Lonea, **Daniela Elena Popescu**, Octavian Prostean  
The overall process taken by enterprises to manage the IaaS cloud services,  
Conference: 6th European Conference on Information Management and Evaluation (ECIME) Location: Univ Coll Cork, Cork, IRELAND Date: SEP 13-14, 2012  
PROCEEDINGS OF THE 6TH EUROPEAN CONFERENCE ON INFORMATION MANAGEMENT AND EVALUATION Pages: 168-177, Published: 2012  
Accession Number: [WOS:000321564000021](#)

Ci15. AM Lonea, **DE Popescu**, O Prostean, H Tianfield  
Evaluation of Experiments on Detecting Distributed Denial of Service (DDoS) Attacks in Eucalyptus Private Cloud, SOFT COMPUTING APPLICATIONS  
Book Series: Advances in Intelligent Systems and Computing, Volume: 195 Pages: 367-379, Published: 2013, Conference: 5th International Workshop Soft Computing Applications (SOFA), Szeged, HUNGARY, AUG 22-24, 2012, Publisher SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN, GERMANY, ISBN:978-3-642-33940-0; 978-3-642-33941-7, ISSN: 2194-5357  
Accession Number: [WOS:000314077300034](#)

## 5. Articole indexate în baze de date internaționale (BDI)

### 5.1 Jurnale BDI

#### RB1. D.E. Popescu

A Proposed Cache Line Implementation Solution with Error/Correcting Capabilities for Managing Cache Coherency in Multiprocessor Systems, ACTA ELECTROTECHNICA ET INFORMATICA, pp.68-74, ISSN 1335-8243, 2009

<http://www.aei.tuke.sk/papers/2009/3/2009-3.htm#POP> (SCOPUS)

#### RB2. D.E. Popescu, D.Mastei, M.Lonea

Some aspects about vagueness and imprecision in resource allocation of Grid Networks, Journal Of Computer Science And Control Systems, vol.3, nr.1, 2010, ISSN: 1844-6043, pag.187-191 (DOAJ)

#### RB3. D.E. Popescu, D.Mastei, M.Lonea (DOAJ)

On Optimizing Resource Allocation in Grid Computing, Journal Of Computer Science And Control Systems, vol.3, nr.1, 2010, ISSN: 1844-6043, pag.183-186 (DOAJ)

#### RB4. D.E. Popescu, E. Vladu

A Genetic Algorithm Approach For Optimizing The File Availability In Peer-To-Peer Content Distribution, Journal Of Computer Science And Control Systems, 2009 (DOAJ)

#### RB5. D.E. Popescu, Al. Petchesi

Improper Data Collection Mechanisms, An Important Cause For Erroneous Corporate Metrics, Journal Of Computer Science And Control Systems, 2009 (DOAJ)

#### RB6. Szilagy S., Popescu D.E., Pater M.

Some Aspects About The Efficiency Of Bit Voters Implementation, Journal Of Computer Science And Control Systems, 2009 (DOAJ)

#### RB7. D.E. Popescu, Daniel Filipaş, Szabolcs Szilágyi

Some Aspects about a Self-Testing Solution for Implementing the TCP/IP Protocol, Journal of Computer Science and Control Systems, University of Oradea, Oradea 2008, RSEE'08, Oradea, ISSN 1844-6043, pp.82-87, 2008 (DOAJ)

#### RB8. D.E. Popescu, Mirela Pater, Doina Zmaranda, Daniela Mastei

Some Aspects About the Effectiveness of Using the MISR As A Signature Analyzer in Boundary Walking Test, Journal of Computer Science and Control Systems, University of Oradea, Oradea 2008, RSEE'08, Oradea, ISSN 1844-6043, pp.88-91, 2008 (DOAJ)

**RB9. D.E.Popescu**

Comparative analysis of adders' logic partitioning testing technique, Revue Roumaine des Sciences Techniques - Serie Électrotechnique et Énergétique, vol.2 Avril-Juin, tome 47, Editura academieii, ISSN 0035-4066, pp.209-218, 2003

**RB10.D.E.Popescu, C.Popescu**

An Efficient Algorithm For Testing The Superblock Carry-Lookahead Adder (SBCLA), Revue roumaine d'Electrotechnique et Energetique, vol.2 Avril-Juin, tome 47, Editura academieii, ISSN 0035-4066, pp.209-218, 6 pag, 2002

**5.2 Conferințe BDI**

CB1. Jude Hemanth, Uma Maheswari, **D.E. Popescu** and Antoanela Naaji,  
The Boon of Bandelet Transform and Discrete Curvelet Transform: Application to Image Steganography , CITCEP 2015 Congress on Information Technology, Computational and Experimental Physics December 18-20, 2015 Cracow, Poland, <http://www.fis.agh.edu.pl/Conf-ITCEP/wp-content/uploads/CITCEP-2015-program-detailed.pdf>

CB2. **Popescu D.E.**, Prada M.

Some Aspects about Smart Building Management Systems - Solutions for Green, Secure and Smart Buildings, Proceedings of the 9th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD '13), ISBN: 978-1-61804-167-8, <http://www.wseas.us/e-library/conferences/2013/Lemosos/ENVIR/ENVIR-00.pdf>, <https://www.wseas.us/e-library/conferences/2013/Lemosos/ENVIR/ENVIR-20.pdf>, ISSN: 2227-4359

CB3. Lonea A.M., **Popescu D.E.**

Security Issues for GRID Systems, 4th International Workshop on Soft Computing Applications, 2010, IEEE Xplore, [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=5565622](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5565622), Page(s): 73 - 76  
Digital Object Identifier: 10.1109/SOFA.2010.5565622 (**IEEE**)

CB4. **D.E. Popescu**, Lonea A.M.,

About the Reliability Analysis of a Fault-Tolerant Phased-Mission danger control system 4th International Workshop on Soft Computing Applications, 2010, IEEE Xplore, [http://ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=5565619](http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5565619), Page(s): 77 - 81, Digital Object Identifier: 10.1109/SOFA.2010.5565619 (**IEEE**)

CB5. AM Lonea, H Tianfield, **DE Popescu**

Identity Management for Cloud Computing New Concepts and Applications in Soft Computing Volume 417, 2013, pp 175-199, [http://link.springer.com/chapter/10.1007%2F978-3-642-28959-0\\_11](http://link.springer.com/chapter/10.1007%2F978-3-642-28959-0_11) , ISSN: 1860949X, ISBN: 978-364228958-3, Source Type: Book series, DOI: 10.1007/978-3-642-28959-0-11

Document Type: Conference Paper, <https://www-scopus-com.am.e-information.ro/record/display.uri?eid=2-s2.0-84867464838&origin=publicationMetricPage>, SCOPUS (13 citari) (**Springer**)

CB6. A.M. Lonea, **D.E. Popescu** and O. Prostean

A Survey of Management Interfaces for Eucalyptus Cloud, IEEE 7th International Symposium on Applied Computational Intelligence and Informatics, SACI 2012, Timisoara, Romania, May 24-26, 2012, pp. 261- 266, ISBN: 978-1-4673-1013-0 (**IEEE**)

CB7. **D.E. Popescu**,

Some Aspects about the Reliability Analysis of a Phased-Mission Geothermal Power Plant, Proceedings World Geothermal Congress 2010, Bali, Indonesia, 25-29 April 2010

CB8. **D.E. Popescu**, C.Popescu, C.Rusu

The Analysis Of The Influence Of Searching Space Limitation Of Genetic Algorithms On Reliability Maximization Problem, SOFA 2005, IEEE Workshop on Soft Computing Applications, 27-30Aug.2005, Szeged-Hungary, & Arad –Romania, pp.362-267, 2005

CB9. C. Popescu, **D.E. Popescu**, C. Rusu

Geothermal Plant Design Optimization By Genetic Algorithms, Proceedings World Geothermal Congress 2005, Antalya, Turkey, 24-29 April 2005 - WGC2005, 2005

CB10. **D.E. Popescu, Corneliu Popescu**

Monte Carlo Simulation Using Excel For Predicting A Control System For A Geothermal Plant Reliability, Proceedings World Geothermal Congress 2005, Antalya, Turkey, 24-29 April 2005 - WGC2005, 2005

**6. Articole publicate în alte reviste de specialitate și în volumele unor manifestări științifice**

- D 1. M.Pater, D.E.Popescu  
A theoretical comparison of using different support constrains in association rules mine algorithms, EMES 07, Proceeding of 9th International Conference on Engineering of Modern Electric Systems, ISSN 1223-2106, 24-26 May, Oradea, Romania, pg. 80-83, 2007
- D 2. D.E.Popescu, M.Pater  
Fault and recovery trees for a self-testing and recovering testable security system, Analele Universității din Oradea, Fascicula de Electrotehnică, C1 and C2 sections – Computer Science and Reliability, ISSN-1223-2106, pag. 84-90, 4 pag, 2007
- D 3. **D.Zmaranda**, G.Gabor, D.E.Popescu  
Algorithmic Methods In Real-Time Scheduling, Journal Of Computer Science And Control Systems, ISSN 1844-6043, 2006
- D 4. C.Popescu, **D.E. Popescu**  
Disponibilitatea, Precondiție A Calității Unui Sistem De Securitate, Revista de Electrotehnica, Electronica si Informatica, 2005
- D 5. C. Popescu, **D.E. Popescu**  
Asupra performantelor algoritmilor de simulare a defectelor circuitelor logice, A. Nagy, Revista Româna de Informatica si Automatica, vol. 15, nr. 1, 2005, [http://www.ici.ro/ici/revista/ria2005\\_1/index.html](http://www.ici.ro/ici/revista/ria2005_1/index.html)
- D 6. **D.E.Popescu**, C.Popescu  
An Algorithm for testing a C-testable Carry Completion Adder (CCA), Buletinul Stiintific al Universitatii "Politehnica" din Timisoara, ROMANIA, Seria AUTOMATICA si Calculatoare, PERIODICA POLITEHNICA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol.49 (63), ISSN 1224-600X, pp. 47-50, 4 pag, 2004
- D 7.** C.Popescu **D.E.Popescu**  
About The Danger Control Systems Vulnerabilities, Buletinul Stiintific al Universitatii "Politehnica" din Timisoara, ROMANIA, Seria AUTOMATICA si Calculatoare PERIODICA POLITEHNICA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol.49 (63), Editura Politehnica, Timisoara, ISSN 1224-600X, pp. 63-67 2004
- D 8. **D.E.Popescu**, C.Popescu, D.Filipas  
A Monte Carlo Simulation for Finding MTBF for a Danger Control System, Buletinul Stiintific al Universitatii "Politehnica" din Timisoara, ROMANIA Seria AUTOMATICA si Calculatoare PERIODICA POLITEHNICA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol.49 (63), ISSN 1224-600X, 2004
- D 9. **D.E.Popescu**, C.Popescu  
The Implementation Of A Cache Coherency State Machine For A split transactions Multiprocessor System, Buletinul Stiintific al Universitatii "Politehnica" din Timisoara, ROMANIA, Seria AUTOMATICA si Calculatoare, PERIODICA POLITEHNICA, Transactions on AUTOMATIC CONTROL and COMPUTER SCIENCE, Vol.49 (63), 2004, ISSN 1224-600X
- D 10. **D.E.Popescu**, C.Popescu, M.Bonaciu,



*The testing facilities for the TDL testing Environment*, AQTR – THETA 13, Proceedings of 2002 IEEE-TTTC International Conference on AUTOMATION, QUALITY and TESTING, ROBOTICS, pp. 355-361, 7 pag, **2002**

## **7. Granturi/proiecte, contracte de cercetare**

### **7.1 Granturi/proiecte internaționale obținute prin competiție**

- GI1. Grant Competitie: Magyar Tudományos Akadémia , MTA-OM Domus Hungarica Scientarium et Artium, Hungarian Academy of Sciences, Monitoring Water Treatment to Oradea Waste Water Treatment Plant in order to Prevent Cutting Impurities and Improve Existing Situation - Academia maghiara 2010 – director
- GI2. Proiect Integrarea rețelelor universităților din Oradea și Debrecen prin conexiuni de mare viteză de noua generație” HURO/0802/012\_AF, Acronim – NGNI-UDUO, [http://www.uoradea.ro/HURO-0802-012\\_af-NGNI-UDUO&structure=Managementul+cercetarii](http://www.uoradea.ro/HURO-0802-012_af-NGNI-UDUO&structure=Managementul+cercetarii), 2012-2013, 502487 EURO, Responsabil: Onica Marius - membru
- GI3. Proiectul Erasmus Intensive Programme (IP) , contract 2010-1-ES1-ERA10-22322– “Mobile and Web Development Technologies”, 2010-2013, [www.mobweb.ws](http://www.mobweb.ws) Valoare 30.978,00€ - 3 parteneri\*3 membri pt. fiecare partener = 9 membrii, valoare aproximativa: 60 000 EURO, <http://mobweb.epsa.upv.es/> <http://ec.europa.eu/education/erasmus/doc/ip1011/spain.pdf>, 2011-2013 100693-CP-01-2002-1-RO-MINERVA-M ROMANIAN-EUROPEAN EUNIVERSITY - RE2U, PROIECT FINANȚAT PRIN PROGRAMUL SOCRATES, 2002- 2004.Parteneri: Universitatea Politehnică București - România (coord.), Universitat Oberta de Catalunya - Spania, Lambrakis Research Foundation- Grecia, FIM - Psychologie Universitat - Germania, Abo Akademi - Finlanda, Universitatea Transilvania din Brașov- România, Universitatea de Vest Timișoara - România, Romanian Learning Network - România. / GRANT / 2002 -2004 / 19.500 EURO – membru
- GI4. Contract Phare nr. 56-2.4, “Centru de Integrare Stiintifica Euro-regionala Oradea-Debrecen”, Linia bugetara: RO-2004/016-940.01.01, 429.750 Euro, director proiect.Teodor Maghiar, Phare CBC RO-HU 2004/940.01.01.15 – membru
- GI5. Proiect de cercetare dezvoltare international TREN 05/FP6EN/S07.53962/518 277 „Efficient Low temperature geothermal binary power. LOW-BIN”, 2006-2009 val 50050 EUR =200200 RON – membru
- GI6. GI6. Proiect de cercetare dezvoltare TREN/07/FP6EN/S07.68923/0.38 659, „High-Combi” 2007-2011, val 7700 EUR , <http://www.highcombi.eu/about/> - membru
- GI7. Ground coupled heat pumps of high technoloy - GRUNDHIT, contract european încheiat în cadrul programului de dezvoltare tehnologică a unei activități de cercetare specifice - FP6, TREN/04/FP6EN/S07/31402/503063 (Specific Targeted Research or Innovation Project) cu Centrul de Resurse Regenerabile (CRES), UO fiind membră a consorțiului implicat, 2004-2007 - membru

### **7.2 Granturi/proiecte naționale obținute prin competiție**

- GN1. FDI 2017, „Mentineră siguranței datelor sistemului UNIWEB și gestionarea acestora pentru actualizarea informațiilor pe Portalul Registrul Matricol Unic”. Cod final de înregistrare: CNFIS-FDI-2017-0290, Domeniu vizat: 3. Asigurarea transparenței în gestiunea studenților și implementarea Registrului Matricol Unic al Universităților din România - director
- GN2. FDI-2016, CNFIS-FDI-2016-0016, Finanțat de MEC, Interfatarea sistemului informatic UniWeb a Universității din Oradea cu portalul Registrul Matricol Unic – UO-RMU, Competiție finanțată din Fondul de Dezvoltare Instituțională destinat universităților

de stat – FDI 2016, CNFIS (platforma UDiManager administrată de UEFISCDI- uefiscdi-direct.ro), Domeniu vizat: 3. Asigurarea transparenței în gestiunea studenților și implementarea Registrului Matricol Unic al Universităților din România, iunie 2016-decembrie 2016, Val.114000 RON - director

- GN3. INFOSOC - IMPLEMENTAREA UNUI MEDIU DE PROGRAMARE CU FACILITĂȚI PENTRU TESTAREA CIRCUITELOR DIGITALE ȘI DE EVALUAREA A TESTABILITĂȚII ACESTORA, nr. Contract INF-5 din 18.10.2001 – director
- GN4. Membru, Adaptarea activă a educației universitare la cerințele pieței muncii- Phare 2006/018-147.05.01 – Quality education for Labour – 2009 - membru
- GN5. Proiect POSDRU 89/1.5/S/56287/2010 "Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative" (8 experti) - membru
- GN6. CEEX CORINT – „Atingerea scopurilor determinate de protocolul Kyoto prin introducerea pompelor de caldura cu surse subterane în zonele construite”, 15 000 lei, Nr. 95/2006, perioada 01.03-19.11.2008, finanțat prin Buget de Stat – Ministerul Educației și Cercetării, Centrul National de Management Programe, EU-RO, IEE, 13 membrii, Nr.019760 (SES 6), „Enhanced Geothermal Innovative Network for Europe. Engine (ENGINE)”, 2005-2008, val. 4800 EUR (=19200RON - membru
- GN7. CEEX CORINT - „Rețea europeană inovatoare pentru sisteme geotermale stimulate”, 20 000 lei, contract de finanțare nr.103/2006, perioada: 01.08.2006-01.12.2008, finanțat prin Buget de Stat – Ministerul Educației și Cercetării, Centrul National de Management Programe, EU-RO, SES6 - membru
- GN8. Cercetări privind proiectarea și implementarea de noi unelte software pentru modelarea și analiza sistemelor timp real, val: 20 000,00 RON, Grant CNCIS nr.6462/05.05.2006, 2006, 7 membri, director: Doina Zmaranda, - membru
- GN9. Evaluarea gradului de testabilitate a sistemelor de securitate fizică și identificarea vulnerabilităților potențiale ale acestora, contract nr.35.10.07.2003 încheiat cu S.C.CONSTRUCT MOD Oradea, 2003, - membru
- GN10. Valorificarea energiei conținută în apele geotermale cu temperaturi moderate, Contract UO .nr: 104/15.01.92, - membru

### 7.3 Contracte de cercetare cu mediul socio-economic

- F 1. **Colab.**, *Studii privind configurarea unui sistem de securitate, Analize comparative pentru diferite soluții de configurare a sistemului de securitate*, Contract cu nr.239/16.02.2004 Construct MOD
- F 2. **Colab.**, *Evaluarea gradului de testabilitate a sistemelor de securitate fizică și identificarea vulnerabilităților potențiale ale acestora*, contract nr.35.10.07.2003 încheiat cu S.C.CONSTRUCT MOD Oradea, 2003

În calitate de colaborator al firmei S.C.ACTUAL S.R.L.:

**F 1 Colab.**, *Sistem de Securitate cu DISPECERAT LOCAL și comunicare automată la distanță* - Studiu configurație sistem, Proiectare, Execuție fizică – (S.Control Efracție, S. Control Incendiu, S. Control video, S. Control Acces), contract nr. 77/11.11.3004 (încheiat cu Biblioteca Județeană Bihor) A fost pus în operă la sediul Bibliotecii Județene Bihor din Oradea, 2008

**F 2 Colab.**, *Sistem de Securitate cu DISPECERAT LOCAL și comunicare automată la distanță* - Studiu configurație sistem, Proiectare, Execuție fizică – (S.Control Efracție, S. Control Incendiu, S. Control video, S. Control Acces), contract nr. 77/11.11.3004 (încheiat cu Băile Felix Bihor) A fost pus în operă la sediul Bibliotecii Județene Bihor din Oradea, 2008

**Prof.univ.dr.ing. Daniela E. Popescu**

10.07.2017