

LISTA DE LUCRĂRI

Emil-Ioan SLUȘANSCHI

1 LISTA LUCRĂRILOR REPREZENTATIVE PENTRU REALIZĂRILE PROFESIONALE (Selecție din lista de publicații de mai jos)

Tip	Nr.	Publicație	BDI	Indexare	Link text complet publicație
Vis	1.	C. H. Bischof, H. M. Bücker, A. Rasch, and E. Slusanschi. <i>Sensitivities for a Single Drop Simulation</i> . In P. M. A. Slood, D. Abramson, A. V. Bogdanov, J. J. Dongarra, A. Y. Zomaya, and Y. E. Gorbachev, editors, Computational Science - ICCS 2003, Proceedings of the International Conference on Computational Science, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Part II, volume 2658 of Lecture Notes in Computer Science, pages 888-896, Berlin, 2003. Springer. DOI: 10.1007/3-540-44862-4_96 WOS:000184831800096. IDS Number: BX28K.	ISI	http://link.springer.com/chapter/10.1007/978-3-540-44862-4_96	https://www.dropbox.com/s/hc_pfbzajoo0kb08/2003%20-%20ICCS%20-%20Sensitivities%20for%20a%20Single%20Drop%20Simulation.pdf
D	2.	C. H. Bischof, M. Bücker, A. Rasch, E. Slusanschi, <i>Evaluation of a Computer Model for Wavy Falling Films Using EFCOSS</i> , pp 78-84, <i>Computational Science and Its Applications</i> - Lecture Notes in Computer Science, Volume 2668, ISBN: 978-3-540-40161-2, doi: 10.1007/3-540-44843-8_9, Ed. Springer Berlin Heidelberg, 2003. WOS:000184327300009. IDS Number: BX11V.	ISI	http://link.springer.com/chapter/10.1007/978-3-540-44843-8_9	https://www.dropbox.com/s/1tb8hc63bgknmvf/2003%20-%20ICCSA%20-%20Evaluation%20of%20a%20Computer%20Model%20for%20Wavy%20Falling%20Films%20Using%20EFCOSS.pdf
Ris	3.	C. H. Bischof, H. M. Bücker, A. Rasch, E. Slusanschi, B. Lang, <i>Automatic Differentiation of the General-Purpose Computational Fluid Dynamics Package FLUENT</i> , Journal of Fluids Engineering, Vol 129, Nr 5, pp. 652-658, DOI: 10.1115/1.2720475, 2006. WOS:000248617300015. IDS Number: 198HJ.	ISI	http://fluidsengineer.asmedigitalcollection.asme.org/article.aspx?articleid=1431286	https://www.dropbox.com/s/rizl7bv7nq6n2oc/2005%20-%20ASME%20Fluids%20Engineering%20-%20AD%20CFD%20FLUENT.pdf
Ris	4.	C. H. Bischof, H. M. Bücker, B. Lang, A. Rasch, E. Slusanschi, <i>Efficient and accurate derivatives for a software process chain in airfoil shape optimization</i> , Future Generation Computer Systems, ISSN: 0167-739X, Vol 21, Nr 8, pp 1333-1344. DOI: 10.1016/j.future.2004.11.002, 2005. WOS:000231859800011. IDS Number: 964DV	ISI	http://dx.doi.org/10.1016/j.future.2004.11.002	https://www.dropbox.com/s/w75tfqni934pbq3/2005%20-%20Future%20Generation%20Computer%20Systems%20-%20Efficient%20and%20accurate%20derivatives%20for%20a%20software%20process%20chain%20in%20airfoil%20shape%20Optimization.pdf

Tip	Nr.	Publicație	BDI	Indexare	Link text complet publicație
Ris	5.	A. Bardow, C. H. Bischof, H. M. Bücker, G. Dietze, R. Kneer, A. Leefken, W. Marquardt, U. Renz, E. Slusanschi . <i>Sensitivity-Based Analysis of the k-ϵ Model for the Turbulent Flow Between Two Plates</i> . Article in Chemical Engineering Science, ISSN 0009-2509, Volume 63, Issue 19, Pages 4763-4775, DOI: 10.1016/j.ces.2007.12.029, 2008. WOS:000260702300011. IDS Number: 369NX.	ISI	http://dx.doi.org/10.1016/j.ces.2007.12.029	https://www.dropbox.com/s/tdj9719g0che4k9/2008%20-%20Chem%20Eng%20Science%20-%20Sensitivity-based%20analysis%20of%20the%20k%20-%20epsilon%20model%20for%20the%20turbulent%20flow%20between%20two%20plates.pdf
Ris	6.	E. Gross-Hardt, E. Slusanschi , H. M. Bücker, A. Pfennig, C. H. Bischof. <i>Practical Shape Optimization of a Levitation Device for Single Droplets</i> . Article in Journal of Optimization and Engineering, ISSN 1389-4420, Volume 9, Number 2, pp 179-199, DOI: 10.1007/s11081-007-9027-x, 2008. WOS:000254251500005. IDS Number: 277YV.	ISI, Springer	http://dx.doi.org/10.1007/s11081-007-9027-x	https://www.dropbox.com/s/r50I7guogx7c5or/2008%20-%20Optim%20Eng%20-%20Practical%20shape%20optimization%20of%20a%20levitation%20device%20for%20Single%20Droplets.pdf
Ris	7.	V. Chihaiia, E. Slusanschi , A. Herisanu, P. Palade, N. Tapus, <i>High Performance Computing Infrastructure for materials Science</i> , Revue Roumaine de Chimie, Academia Romana, Vol 55(11-12), pp. 1009-1015, 2010. nr. 11-12, ISSN 0035-3930, 2010. WOS: 000291516200034. IDS Number: 776EB.	ISI	https://www.dropbox.com/s/a52fqtkkx6edww/2010%20-%20Rev%20Roum%20Chim%20-%20Index.pdf	https://www.dropbox.com/s/45gd69rb3eqv6rs/2010%20-%20Rev%20Roum%20Chim%20-%20High%20Performance%20Computing%20Infrastructure%20for%20Materials%20Science.pdf
Vis	8.	A. Gainaru, E. Slusanschi , S. Trausan-Matu. <i>Mapping data mining algorithms on a GPU architecture: A study</i> In Foundations of Intelligent Systems, volume 79 6804 of Lecture Notes in Computer Science, pages 102–112. Springer–Verlag, Berlin Heidelberg, 2011. WOS:000307927300012. IDS Number: BBQ87.	ISI, Springer	http://dx.doi.org/10.1007/978-3-642-21916-0_12	https://www.dropbox.com/s/1dln2zsv401e2tn/2011%20-%20ISMIS%20-%20Mapping%20Data%20Mining%20Algorithms%20on%20a%20GPU%20Architecture%20-%20A%20Study.pdf
Ris	9.	H.M. Bücker, E. Slusanschi , <i>Second-order derivatives of the general-purpose finite element package SEPRAN via source transformation</i> , Mathematics and Computers in Simulation, Vol. 81, pp. 2431-2439. DOI: 10.1016/j.matcom.2011.03.008, ISSN: 0378-4754, 2011. WOS:000292494800005. IDS Number: 789DV.	ISI	http://dx.doi.org/10.1016/j.matcom.2011.03.008	https://www.dropbox.com/s/58oapc4gz6sq3ee/2011%20-%20Mat%20Comp%20in%20Sim%20-%20Second-order%20derivatives%20of%20the%20general-purpose%20finite%20element%20package%20SEPRAN%20via%20source%20transformation.pdf
Vis	10.	A. C. Sima, E. Slusanschi , <i>Optimizing Parallel CFD Simulations of 2D Compressible Flows</i> , SYNASC 2012, 26-29 Septembrie 2012, Timisoara, Romania., DOI: 10.1109/SYNASC.2012.46, pp. 487-494, ISBN: 978-1-4673-5026-6. WOS: 000317189000068. IDS Number: BEL29.	ISI, IEEE Xplore	http://dx.doi.org/10.1109/SYNASC.2012.46	https://www.dropbox.com/s/4wp39bvqoscji78/2012%20-%20SYNASC%20-%20Optimizing%20Parallel%20CFD%20Simulations%20of%202D%20Compressible%20Flows.pdf

T1. **Emil-Ioan SLUȘANSCHI**, *Algorithmic Differentiation of Java Programs*. RWTH-Aachen University, Aachen, Germania, 2008, Conducător științific Prof. Christian H. Bischof, PhD.

BREVETE DE INVENȚIE

3 CĂRȚI ȘI CAPITOLE ÎN CĂRȚI ÎN EDITURI RECUNOSCUTE

Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.

Cb - Cărți de specialitate publicate în edituri internaționale și naționale recunoscute (autor, coautor, editor).

Cc - Cărți publicate în alte edituri, cu ISBN.

Ca	1.	Tapus, N., Slusanschi, E. , Andreica, M., Duta, L., Simoiu, S., Mocanu, E., "Introducere în Utilizarea Calculatorului", Guvernul României – Ministerul Comunicațiilor și Tehnologiei Informației, București, Editura MCTI, 137p, 2007.
Ca	2.	E. Slușanschi , A. Herișanu, M. Andreica, E. Tîrșă, A. Olteanu, V. Iancu - " <i>Arhitectura Sistemelor de Calcul</i> ", Editura Printech, 167p. ISBN 978-606-521-608-2, 2010.
Ca	3.	E. Slușanschi , A. Herișanu, R. Dobre - " <i>The NCIT Cluster Resources User's Guide</i> ", Editura Paideia, 116p, ISBN 978-973-596-909-7, 2013.

Cb	1.	N. Tapus, E. Slusanschi , T. Popescu, <i>Distributed Rendering Engine</i> , pp 207-215, <i>Advanced Environments, Tools, and Applications for Cluster Computing - Lecture Notes in Computer Science</i> , Volume 2326, ISBN: 978-3-540-43672-0, doi: http://dx.doi.org/10.1007/3-540-47840-X_21 , Ed. Springer Berlin Heidelberg, 2002.
Cb	2.	C. H. Bischof, M. Bückner, A. Rasch, E. Slusanschi , <i>Evaluation of a Computer Model for Wavy Falling Films Using EFCOSS</i> , pp 78-84, <i>Computational Science and Its Applications- Lecture Notes in Computer Science</i> , Volume 2668, ISBN: 978-3-540-40161-2, doi: http://dx.doi.org/10.1007/3-540-44843-8_9 , Ed. Springer Berlin Heidelberg, 2003.
Cb	3.	M. Wehner, S. Zeisberg, N. Oualha, A. Olivereau, M. Ludwig, D. Tudose, L. Gheorghe, E. Slusanschi , B. Hess, F. Reischach, D. Bateman, <i>Challenges and Current Results of the TWISNet FP7 Project</i> , pp 232-233, <i>Trust, Privacy and Security in Digital Business - Lecture Notes in Computer Science</i> , Volume 7449, ISBN: 978-3-642-32286-0, doi: http://dx.doi.org/10.1007/978-3-642-32287-7_27 , Ed. Springer Berlin Heidelberg, 2012.
Cb	4.	E. Slușanschi , „ <i>Advances in Automatic Differentiation for the Java Programming Language</i> ”, 136p, Editia a 2-a, Editura Paideia, ISBN 978-973-596-908-0, 2013.

Acreditarea CNCSIS a editurilor Paideia și Printech poate fi vizualizată aici:

http://uefiscdi.gov.ro/userfiles/file/CENAPOSS/Edituri_martie_2011.pdf

4 ARTICOLE PUBLICATE ÎN REVISTE DIN FLUXUL ȘTIINȚIFIC PRINCIPAL

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a revistelor pe baza unor criterii de performanță). *Se menționează la fiecare lucrare includerea în Baza ISI [ultimul Factor Impact, ISSN] și/sau denumirea altei (altor) BDI.*

Rio – Alte reviste de specialitate de circulație internațională.

Rns - Reviste de specialitate de circulație națională recunoscute de CNCSIS. Se menționează Categoria CNCSIS.

Rno - Alte reviste de specialitate de circulație națională.

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a publicațiilor pe baza unor criterii de performanță. *Se menționează la fiecare lucrare includerea în Baza ISI [ISI Proceedings, ISSN] și/sau denumirea altei (altor) BDI.*

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vn - Volumele unor manifestări științifice naționale.

4.1 Articole în reviste cotate ISI Thomson Reuters

Tip	Nr.	Denumire	FI	Indexare ISI	Link text complet publicație
Ris	1.	C. H. Bischof, H. M. Bückner, B. Lang, A. Rasch, E. Slusanschi , <i>Efficient and accurate derivatives for a software process chain in airfoil shape optimization</i> , Future Generation Computer Systems, ISSN:	1.864	https://www.dropbox.com/s/2jblt8lwu0zcpz0/2005%20-%20Future%20Generation%20Computer%20Systems	https://www.dropbox.com/s/w75tfqni934pbq3/2005%20-%20Future%20Generation%20Computer%20Systems

		0167-739X, Vol 21, Nr 8, pp 1333-1344. DOI: http://dx.doi.org/10.1016/j.future.2004.11.002 , 2005. WOS:000231859800011. IDS Number: 964DV		%20Index.pdf	%20-%20Efficient%20and%20accurate%20derivatives%20for%20a%20software%20process%20chain%20in%20airfoil%20shape%20Optimization.pdf
Ris	2.	C. H. Bischof , H. M. Bückler , A. Rasch , E. Slusanschi , B. Lang, <i>Automatic Differentiation of the General-Purpose Computational Fluid Dynamics Package FLUENT</i> , Journal of Fluids Engineering, Vol 129, Nr 5, pp. 652-658, DOI: 10.1115/1.2720475, 2006. WOS:000248617300015. IDS Number: 198HJ.	0.886	https://www.dropbox.com/s/w6yka0gpfveh235/2007%20-%20JFE%20ASME%20-%20Index.pdf	https://www.dropbox.com/s/bii7wnqs2iq26cl/2005%20-%20ASME%20Fluids%20Engineering%20-%20Automatic%20Differentiation%20of%20the%20General-Purpose%20Computational%20Fluid%20Dynamics%20Package%20FLUENT.pdf
Ris	3.	E. Gross-Hardt, E. Slusanschi , H. M. Bückler, A. Pfennig, C. H. Bischof. <i>Practical Shape Optimization of a Levitation Device for Single Droplets</i> . Article in Journal of Optimization and Engineering, ISSN 1389-4420, Volume 9, Number 2, pp 179-199, DOI: 10.1007/s11081-007-9027-x, 2008. WOS:000254251500005. IDS Number: 277YV.	0.825	https://www.dropbox.com/s/in7112by87g49xt/2008%20-%20OE%20-%20Index.pdf	https://www.dropbox.com/s/r5017guogx7c5or/2008%20-%20Optim%20Eng%20-%20Practical%20shape%20Optimization%20of%20a%20levitation%20device%20for%20Single%20Droplets.pdf
Ris	4.	A. Bardow, C. H. Bischof, H. M. Bückler, G. Dietze, R. Kneer, A. Leefken, W. Marquardt, U. Renz, E. Slusanschi . <i>Sensitivity-Based Analysis of the k-ϵ Model for the Turbulent Flow Between Two Plates</i> . Article in Chemical Engineering Science, ISSN 0009-2509, Volume 63, Issue 19, Pages 4763-4775, DOI: 10.1016/j.ces.2007.12.029, 2008. WOS:000260702300011. IDS Number: 369NX.	2.386	https://www.dropbox.com/s/fr5myuji0gfnfo66/2008%20-%20CES%20-%20Index.pdf	https://www.dropbox.com/s/tdj9719g0che4k9/2008%20-%20Chem%20Eng%20Science%20-%20Sensitivity-based%20analysis%20of%20the%20k%E2%80%93eps%20model%20for%20the%20turbulent%20flow%20between%20two%20plates.pdf
Ris	5.	V. Chihaia, E. Slusanschi , A. Herisanu, P. Palade, N. Tapus, <i>High Performance Computing Infrastructure for materials Science</i> , Revue Roumaine de Chimie, Academia Romana, Vol 55(11-12), pp. 1009-1015, 2010. nr. 11-12, ISSN 0035-3930, 2010. http://revroum.getion.ro/wp-content/uploads/2010/RRCh_11-12_2010/Art%2033.pdf . WOS:000291516200034. IDS Number: 776EB.	0.331	https://www.dropbox.com/s/a52fqtktkx6edww/2010%20-%20Rev%20Roum%20Chim%20-%20Index.pdf	https://www.dropbox.com/s/45gd69rb3eqv6rs/2010%20-%20Rev%20Roum%20Chim%20-%20High%20Performance%20Computing%20Infrastructure%20for%20Materials%20Science.pdf
Ris	6.	H.M. Bückler, E. Slusanschi , <i>Second-order derivatives of the general-purpose finite element package SEPRAN via source transformation</i> , Mathematics and Computers in Simulation, Vol. 81, pp. 2431-2439. DOI: 10.1016/j.matcom.2011.03.008, ISSN: 0378-4754, 2011. WOS:000292494800005. IDS Number: 789DV.	0.836	https://www.dropbox.com/s/77a7eg8nebp0vr/2011%20-%20MATCOM%20-%20ISI.pdf	https://www.dropbox.com/s/58oapc4gz6sq3ee/2011%20-%20Mat%20Comp%20in%20Sim%20-%20Second-order%20derivatives%20of%20the%20general-purpose%20finite%20element%20package%20SEPRAN%20via%20source%20t

					ransformation.pdf
Ris	7.	P.G. Popescu, E. Slusanschi , V. Preda. <i>Towards a New Bound for a Matrix Norm</i> . Carpathian Journal of Mathematics, Baia Mare, Romania. To appear 2014.	0.852	Se ataseaza scrisoarea de acceptare in revista Carpathian Journal of Mathematics.	https://www.dropbox.com/s/m7czat9z6rztvfc/2014%20-%20CJM%20-%20New%20Bound.pdf

4.2 Articole în reviste indexate BDI

Tip	Nr.	Denumire	FI	Indexare ISI	Link text complet publicație
Rio					

5 LUCRĂRI ÎN VOLUMELE CONFERINTELOR DE SPECIALITATE

5.1 Volume indexate ISI Thomson Reuters

Tip	Nr.	Denumire	FI	Indexare ISI	Link text complet publicație
Vis	1.	E.Slusanschi , D. Gudu, A. Mirea, <i>Scalability Study of Two Weather Prediction Models</i> , CSCS '13 Proceedings of the 2013 19th International Conference on Control Systems and Computer Science, pp. 129-136, ACM, IEEE, ISBN: 978-1-4673-6140-8, DOI: 10.1109/CSCS.2013.25. WOS:000328493800019. IDS Number: BJJ49.	0.250	https://www.dropbox.com/s/fwvtkw5bl5iv3ar/2013%20-%20CSCS13%20-%20ISI.pdf	https://www.dropbox.com/s/oitlsrv32uda9if/2013%20-%20CSCS13%20-%20WeatherModeling.pdf
Vis	2.	A. C. Sima, E. Slusanschi , <i>Optimizing Parallel CFD Simulations of 2D Compressible Flows</i> , SYNASC 2012, 26-29 Septembrie 2012, Timisoara, Romania., DOI: 10.1109/SYNASC.2012.46, pp. 487-494, ISBN: 978-1-4673-5026-6. WOS:000317189000068. IDS Number: BEL29.	0.250	https://www.dropbox.com/s/xsf9md69p9ba9uf/2012%20-%20SYNASC%20-%20ISI.pdf	https://www.dropbox.com/s/4wp39bvqoseji78/2012%20-%20SYNASC%20-%20Optimizing%20Parallel%20CFD%20Simulations%20of%20D%20Compressible%20Flows.pdf
Vis	3.	H Martin Bucker, Arno Rasch, E. Slusanschi , Christian H Bischof, <i>Delayed propagation of derivatives in a two-dimensional aircraft design optimization problem</i> . High Performance Computing Systems and Applications Pp. 123-126, DOI: 0.1139/9780660190280. WOS:000223368000018. IDS Number: BAS43. 2003.	0.250	https://www.dropbox.com/s/8nh5cl3cup7atj5/2003%20-%20HPCSA%20-%20ISI.pdf	https://www.dropbox.com/s/kx4yjhh9ng4env/2003%20-%20HPCSA%20-%20Delayed.pdf
Vis	4.	C. H. Bischof, H. M. Bucker, A. Rasch, and E. Slusanschi . <i>Sensitivities for a Single Drop Simulation</i> . In P. M. A. Sloom, D. Abramson, A. V. Bogdanov, J. J. Dongarra, A. Y. Zomaya, and Y. E. Gorbachev, editors, Computational Science - ICCS 2003, Proceedings of the International Conference on Computational Science, Melbourne, Australia and St. Petersburg, Russia, June 2-4, 2003. Part II, volume 2658 of Lecture Notes in Computer Science, pages 888-896, Berlin, 2003. Springer. DOI: 10.1007/3-540-44862-4_96 WOS:000184831800096. IDS Number: BX28K.		https://www.dropbox.com/s/pggovym931n9f5j/2003%20-%20ICCS%20-%20ISI.pdf	https://www.dropbox.com/s/hcpfbzajoo0kb08/2003%20-%20ICCS%20-%20Sensitivities%20for%20a%20Single%20Drop%20Simulation.pdf
Vis	5.	C. H. Bischof, H. M. Bucker, A. Rasch, and E.	0.250	https://www.dropbox.com/s/8nh5cl3cup7atj5/2003%20-%20HPCSA%20-%20ISI.pdf	https://www.dropbox.com/s/kx4yjhh9ng4env/2003%20-%20HPCSA%20-%20Delayed.pdf

Tip	Nr.	Denumire	FI	Indexare ISI	Link text complet publicație
		Slusanschi. Algorithmic Differentiation of Different Algorithms for the Same Problem: A Case Study. In G. Horton, editor, Proceedings of the 18th European Simulation Multiconference, Magdeburg, Germany, June 13-16, 2004, pages 57-62, Erlangen, 2004. SCS Publishing House. http://www.scs-europe.net/services/esm2004/pdf/hpc-12.pdf . WOS:000222636000009. IDS Number: BAK59.		x.com/s/gzvi95qhj7c6qs/2004%20-%20ESM%20-%20ISI.pdf	x.com/s/yybhmbnjrkctosh/2004%20-%20ESM%20-%20Algorithmic.pdf
Vis	6.	A. Gainaru, E. Slusanschi , S. Trausan-Matu. Mapping data mining algorithms on a GPU architecture: A study In Foundations of Intelligent Systems, volume 79 6804 of Lecture Notes in Computer Science, pages 102–112. Springer–Verlag, Berlin Heidelberg, 2011. WOS:000307927300012. IDS Number: BBQ87.	0.250	https://www.dropbox.com/s/8q0t2kg8oc2rudd/2011%20-%20ISMIS%20-%20ISI.pdf	https://www.dropbox.com/s/1dln2zsv401e2tn/2011%20-%20ISMIS%20-%20Mapping%20Data%20Mining%20Algorithms%20on%20a%20GPU%20Architecture%20-%20A%20Study.pdf
Vis	7.	V.L. Spiridon, E. Slusanschi. N-Body Simulations With GADGET-2. SYNASC 2013, 25-26 Septembrie 2013, Timisoara, Romania. pp 526-533, DOI: 10.1109/SYNASC.2013.75, ISBN: 978-1-4799-3035-7/14.	0.250	Conferinta se afla de cinci ani in Conference Proceedings Index 1990-2013. http://host.hpc.uvt.ro/events/hpcsp/	https://www.dropbox.com/s/px3lomiqcxu9lga/2013%20-%20SYNASC13%20-%20Gadget-2%20N-Body.pdf

5.2 Volume indexate BDI

	Nr.	Denumire	BDI	Indexare BDI	Link text complet publicație
Vis	1.	A. Sandu, E. Slusanschi , A. Murarasu, A. Serban, A. Herisanu, T. Stoenescu, Towards Efficient Video Compression Using Scalable Vector Graphics on the Cell/B.E. - Proceedings of the Third International Workshop on Multicore Software Engineering (IWMSE10), pp 26-31. 2010.DOI: 10.1145/1808954.1808962, ISBN: 978-1-60558-964-0.	ACM Digital Library	http://dl.acm.org/citation.cfm?id=1808962	https://www.dropbox.com/s/q28twz3xujoeu1h/2010%20-%20IWMSE%20-%20SVG%20on%20Cell.pdf
Vis	2.	M. Wehner, S. Zeisberg, A. Olivereau, N. Oulha, L. Gheorghe, E. Slusanschi , B. Hess, F. von Reischach, M. Ludwig, D. Bateman, A Trustworthy Architecture for Wireless Industrial Sensor Networks - Research roadmap of EU TWISNet Trust & Security project, Proceedings of the 2011 SysSec Workshop, Pp. 63-66. ISBN: 978-1-4577-1528-0. DOI: 10.1109/SysSec.2011.14, 2011	IEEE Xplore	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6092766	https://www.dropbox.com/s/hfdvek3yhg3iz62/2011%20-%20SysSecNoE%20-%20TWISNet.pdf
Vis	3.	A. Gainaru, E. Slusanschi , Framework for Mapping Data Mining Applications on GPUs, 10th International Symposium on Parallel and Distributed Computing (ISPDC), 2011, pp 71-78. CS Digital Library - IEEE, DBLP: DOI: 10.1109/ISPDC.2011.20. ISBN: 978-1-4577-1536-5	IEEE Xplore	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6108227&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6108227	https://www.dropbox.com/s/ywx9xpjh8y55djb/2011%20-%20ISPDC%20-%20GPU.pdf

	Nr.	Denumire	BDI	Indexare BDI	Link text complet publicație
Vis	4.	V.-M. Spoiala; E. Slusanschi ; M. Dagadita; C. Bancu, Parallelization of High Dynamic Range Image Creation on Multi-core Processor Architectures, 10th International Symposium on Parallel and Distributed Computing (ISPDC), pp 262-265. 2011, CS Digital Library - IEEE, DBLP: DOI: 10.1109/ISPDC.2011.46. ISBN: 978-1-4577-1536-5	IEEE Xplore	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6108283&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6108283	https://www.dropbox.com/s/5us18f90ag0h4n6/2011%20-%20ISPDC%20-%20HDR.pdf
Vis	5.	M. Petcu, C. Raianu, E. Slusanschi . Cell GAF - a genetic algorithms framework for the cell Broadband Engine - Proceedings of the 2010 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), ISBN: 978-1-4244-8228-3, http://dx.doi.org/10.1109/ICCP.2010.5606415 . pp. 355-361, 2010.	IEEE Xplore	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=5606415&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D5606415	https://www.dropbox.com/s/r1irc8aro7dtwt2/2010%20-%20ICCP%20-%20Cell%20GAF.pdf
Vis	6.	N. Oualha, A. Olivereau, M. Wehner, T. Bartzsch, D. Burggraf, S. Zeisberg, L.C. Gheorghe, E. Slusanschi , D. Tudose, AAA-based infrastructure for industrial wireless sensor networks, Proceedings of the Future Network & Mobile Summit (FutureNetw), 4-6.07.2012, pp 1-8. Berlin, Germany, ISBN: 978-1-4673-0320-0.	IEEE Xplore	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6294238&url=http%3A%2F%2Fieeexplore.ieee.org%2Fiel5%2F6279685%2F6294166%2F06294238.pdf%3Farnumber%3D6294238	https://www.dropbox.com/s/75gheqgtx8rpzpt/2012%20-%20FNMS%20-%20TWISNet.pdf
Vis	7.	A. Herisanu, O. Hupca, H. Lupescu, R. Dobre, E. Slusanschi , Eagle Eye – Feature Extraction from Satellite Images on a 3D Map of Romania, Tier 2 Federation Grid, The 5th Cloud & High Performance Computing Science (RO-LCG), 25-27.10.2012, Cluj-Napoca, Romania. Pp. 23-26. IEEE Explore. ISBN: 978-1-4673-2242-3.	IEEE Xplore	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6528236&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D6528236	https://www.dropbox.com/s/jt5u8u603770jpc/2012%20-%20RO-LCG%20-%20EagleEye.pdf
Vis	8.	A. Sierra, J. Choliz, P. Cluzeaud, E. Slusanschi , UWB integration into heterogeneous access networks, pp 1-9, Future Network & Mobile Summit (FutureNetw) Warsaw Poland, 15-17.06.2011, ISBN: 978-1-4577-0928-9, IEEE Explore.	IEEE Xplore	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6095207	https://www.dropbox.com/s/gg4hcqx7upacpkm/2011%20-%20FNMS%20-%20UWB.pdf
Vis	9.	E. Slusanschi , H.M. Bucker, On the Limits of Current Implementation of Algorithmic Differentiation, Vol 42 No. 3, 2004, pp 156 - 170. Proceedings of the SYNASC 2004 Symposium. Analele Universitatii de Vest din Timisoara, 2011, Google Scholar.	Google Scholar	http://scholar.google.ro/citations?view_op=view_citation&hl=en&user=1fwT6psAAAJ&citation_for_view=1fwT6psAAAJ:zYLM7Y9cAGgC	https://www.dropbox.com/s/hoveuh7qy6e0lxq/2004%20-%20SYNASC%20-%20AD.pdf
Vis	10.	M. A. Dagadita, E Slusanschi , R. Dobre, Data Hiding Using Steganography, Pp 159 - 166, Comput. Sci. & Eng. Dept., Univ. Politeh. of Bucharest, Bucharest, Romania, Parallel and Distributed Computing (ISPDC), 2013 IEEE 12th International Symposium on, CS Digital Library IEEE. DOI: 10.1109/ISPDC.2013.29. ISBN: 978-1-4799-2967-2	IEEE Xplore	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6663577	https://www.dropbox.com/s/7yofc22npqumb0x/2013%20-%20ISPDC%20-%20Stega.pdf

	Nr.	Denumire	BDI	Indexare BDI	Link text complet publicație
Vis	11.	E Slusanschi , G. Lupescu, Image vectorization on modern architectures, Pp 295 - 298, Intelligent Computer Communication and Processing (ICCP), 2013 IEEE International Conference on, CS Digital Library IEEE. DOI: 10.1109/ICCP.2013.6646124. ISBN: 978-1-4799-1493-7	IEEE Xplore	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6646124&queryText%3Dslusanschi	https://www.dropbox.com/s/ra8nf9xzc8im7uf/2013%20-%20ICCP%20-%20Vectorization.pdf
Vis	12.	CH Bischof, HM Bücker, A Rasch, E Slusanschi , Load Imbalance Effects in an AD-generated CFD Code, Pp 1 - 4, Institute for Scientific Computing, RWTH-Aachen University (Autodiff.org). 2004.	Google Scholar	http://scholar.google.ro/citations?view_op=view_citation&hl=en&user=1fwT6psAAAJ&pagesize=100&sortby=pubdate&citation_for_view=1fwT6psAAAJ:W7OEmFMy1HYC	https://www.dropbox.com/s/829skk2hye21mlw/2004%20-%20AD-TFS.pdf

6 PROIECTE DE CERCETARE-DEZVOLTARE ȘI GRANTURI

6.1 Proiecte / Granturi internaționale câștigate prin competiție

Pi1. A Framework for Multi-Scale Weather Forecasting and Environmental Early Warning (Director de proiect – 2009)

- Sursa de de finanțare: IBM Open Collaborative Research Project.
- Durata de implementare: 1 an (01.01 – 31.12.2009).
- Volumul finanțării UPB: 10000 USD
- Publicații științifice:
 - **E.Slusanschi**, D. Gudu, A. Mirea, „Scalability Study of Two Weather Prediction Models”, CSCS '13 Proceedings of the 2013 19th International Conference on Control Systems and Computer Science, pp. 129-136, DOI: 10.1109/CSCS.2013.25.

Pi2. EUWB - Coexisting Short Range Radio by Advanced Ultra-Wideband Radio Technology (Director de proiect – 2010-2011)

- Sursa de de finanțare: EU – Framework Programme 7 IP – Obiectiv ICT-2009.9.5, ID: 258066.
- Durata de implementare: 2 ani (2010 – 2011)
- Volumul finanțării UPB: 113.100 EUR
- Publicații științifice:
 - A. Sierra, J. Choliz, P. Cluzeaud, **E. Slusanschi**, „UWB integration into heterogeneous access networks”, pp 1-9, Future Network & Mobile Summit (FutureNetw) Warsaw Poland, 15-17.06.2011, ISBN: 978-1-4577-0928-9.

Pi3. TWISNet - Trustworthy Wireless Industrial Sensor Networks (Director de proiect – 2010-2013)

- Sursa de de finanțare: EU Framework Programme 7 STREP, Obiectiv ICT-2009.1.4, ID: 258280.
- Durata de implementare: 3 ani (2010 – 2013)
- Volumul finanțării UPB: 262.158 EUR
- Publicații științifice:
 - M. Wehner, S. Zeisberg, A. Olivereau, N. Oulha, L. Gheorghe, **E. Slusanschi**, B. Hess, F. von Reischach, M. Ludwig, D. Bateman, A Trustworthy Architecture for Wireless Industrial Sensor Networks - Research roadmap of EU TWISNet Trust & Security project, Proceedings of the 2011 SysSec Workshop (SysSec), Pp. 63-66, 2011.
 - N. Oualha, A. Olivereau, M. Wehner, T. Bartzsch, D. Burggraf, S. Zeisberg, L.C. Gheorghe, **E. Slusanschi**, D. Tudose, AAA-based infrastructure for industrial wireless sensor networks, Proceedings of the Future Network & Mobile Summit (FutureNetw), 4-6.07.2012, pp 1-8. Berlin, Germany, IEEE Explore: ISBN: 978-1-4673-0320-0.
 - M. Wehner, S. Zeisberg, N. Oualha, A. Olivereau, M. Ludwig, D. Tudose, L. Gheorghe, **E. Slusanschi**, B. Hess, F. Reischach, D. Bateman, Challenges and Current Results of the TWISNet FP7 Project, pp 232-233,

Pi4. LEXNET - Low EMF Exposure Future Networks (Director de proiect – 2012-2015)

- Sursa de de finanțare: EU Framework Programme 7 IP, Obiectiv ICT-2011-8, ID: 318273.
- Durata de implementare: 3 ani (2012 – 2015)
- Volumul finanțării UPB: 311.200 EUR

6.2 Proiecte / Granturi naționale câștigate prin competiție

Pn1. EUWB - CoExisting Short Range Radio by Advanced Ultra-WideBand Radio Technology (Director de proiect – 2011)

- Sursa de finanțare: ANCS – PN-II – Modulul III, PC7 – cofinanțare, ID Propunere: 105-1 EU.
- Durata de implementare: un an (01.01-31.07.2011)
- Volumul finanțării: 74.721 RON
- Publicații științifice: raportarea are loc mai sus in cadrul proiectului corespunzator finantat de CE.

Pn2. TWISNet - Trustworthy Wireless Industrial Sensor Networks (Director de proiect – 2011-2013)

- Sursa de finanțare: ANCS – PN-II – Modulul III, PC7 – cofinanțare, ID Propunere: 105-2 EU.
- Durata de implementare: 3 ani (01.01.2011-30.09.2013)
- Volumul finanțării: 260.925 RON
- Publicații științifice: raportarea are loc mai sus in cadrul proiectului corespunzator finantat de CE.

Pn3. Low EMF Exposure Networks – LEXNET (Director de proiect – 2012-2015)

- Sursa de finanțare: ANCS – PN-II – Modulul III, PC7 – cofinanțare, ID Propunere: 239-EU.
- Durata de implementare: 3 ani (01.01.2013-30.10.2015)
- Volumul finanțării: 342.612 RON

23.04.2014

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