



## Curriculum vitae



### Informații personale

Nume / Prenume **Suciu Constantin**

Naționalitate Română

Data nașterii 21.07.1969

Stare civilă Căsătorit, 2 copii

### Domeniul pentru care se solicită conducerea de doctorat

**Ingineria Sistemelor**

### Experiența profesională

Perioada Octombrie 1994 – prezent

Funcția sau postul ocupat Conferențiar

Activități și responsabilități principale Activități didactice de predare la ciclul de licență și masterat în cadrul Departamentului de Automatică și Tehnologia Informației; activități de cercetare; coordonare program masterat Sisteme Avansate în Automatica și Tehnologia Informației;

Numele și adresa angajatorului Universitatea Transilvania din Brașov, B-dul Eroilor 29, Brașov, România

Tipul activității sau sectorul de activitate Cadru didactic universitar

Perioada Iunie 2001 – prezent

Funcția sau postul ocupat Dezvoltator software, cercetător, project manager, responsabil departament

Activități și responsabilități principale Dezvoltare produse/soluții/prototipuri pentru domeniile energetic, medical, industrial

Numele și adresa angajatorului Siemens SRL, Corporate Technology, B-dul Eroilor 3A, Brașov, România

Tipul activității sau sectorul de activitate Cercetare & Dezvoltare

Perioada Septembrie 1988 - Iunie 1989

Activități Serviciul Militar

### Educație și formare

Perioada Octombrie 1996 – Septembrie 2000

Calificarea / diploma obținută Diplomă de doctor pentru teza intitulată „Switch Mode Emulation of Large Value Capacitors in The Rotor Circuit To Improve The Induction Motor Performance”

Numele și tipul instituției de învățământ Nottingham Trent University, UK

Nivelul în clasificarea națională sau internațională Doctorat

Perioada Octombrie 1994 – Iulie 1995

Calificarea / diploma obținută	Diplomă de Studii Avansate
Disciplinele principale studiate / competențe profesionale dobândite	Sisteme informatice pentru controlul proceselor
Numele și tipul instituției de învățământ	Universitatea Transilvania din Brașov
Nivelul în clasificarea națională sau internațională	Master
Perioada	Octombrie 1989 – Iulie 1994
Calificarea / diploma obținută	Diplomă de Licență
Disciplinele principale studiate / competențe profesionale dobândite	Bazele electrotehnicii, teoria sistemelor, controlul proceselor, automate programabile, programare
Numele și tipul instituției de învățământ	Universitatea Transilvania din Brașov
Nivelul în clasificarea națională sau internațională	Licență
Perioada	Septembrie 1984 – Iunie 1988
Calificarea / diploma obținută	Diploma de Bacalureat
Numele și tipul instituției de învățământ	Liceul teoretic <i>Andrei Saguna, Brașov</i>
Nivelul în clasificarea națională sau internațională	Liceu
Perioada	2011
Calificarea / diploma obținută	Project Manager nivel C
Numele și tipul instituției de învățământ	International Project Management Association

### Proiecte de cercetare dezvoltare conduse

Proiect	Contr. nr. 130/2012-2016, PN II, program: Programul PARTENERIATE – Proiecte Colaborative de Cercetare Aplicativă (PCCA) – “HEART – High PERFORMANCE Computing of PersonAlized CaRdio ComponenT Models”, finanțat de UEFISCDI
Perioada	2012-2016
Buget	3.177.333 RON
Rol în proiect	Director proiect
Proiect	Contr. nr. 600932/2013-2017, program: EU's Seventh Framework Programme for Research (FP7) – “MD PAEDIGREE – Model-Driven European Paediatric Digital Repository”
Perioada	2013-2017
Buget	272.680 Euro
Rol în proiect	Responsabil proiect din partea Universității Transilvania Brașov

### Aptitudini și competențe personale

Limba maternă **Română**

Limbi străine cunoscute

Autoevaluare

Nivel european (\*)

**Engleză**

**Germană**

**Engleză, Germană**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	Utilizator experimentat	C1	Utilizator experimentat	B2	Utilizator independent	B2	Utilizator independent	C1	Utilizator experimentat
B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent	B2	Utilizator independent

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Domenii de interes

Inteligență artificială, Procesarea paralelă si distribuită, Sisteme integrate

Permis(e) de conducere

B





## LISTA DE LUCRĂRI

### LUCRĂRI RELEVANTE

1. Suciu, C., Kansara, M., Holmes, P.G., Szabo, W., *Phase advancing for current in R-L circuits using switched capacitors*, Electronics Letters, Volume: 35, Issue: 16, 5 Aug 1999, ISSN: 0013-5194, DOI: 10.1049/el:19990923, (ISI journal, WOS:000082310900007, FI: 1,155).
2. Suciu, C., DaŃinca, L., Kansara, M., Margineanu, I., *Switched capacitor fuzzy control for power factor correction in inductive circuits*, PESC 2000: 31ST ANNUAL IEEE POWER ELECTRONICS SPECIALISTS CONFERENCE, VOLS 1-3, JUN 18-23, 2000, ISBN:0-7803-5693-4 (ISI Proceedings, IEEE Xplore, WOS:000166883500120)
3. Suciu, C., Kansara, M., Holmes, P., Szabo, W., *Performance enhancement of an induction motor by secondary impedance control*, IEEE Transactions on Energy Conversion, Volume: 17, Issue: 2, Pages: 211-216, DOI: 10.1109/TEC.2002.1009470, JUN 2002, ISSN: 0885-8969, (ISI Journal, WOS:0001761770000, FI: 3,808).
4. Suciu, C., Moldoveanu, F., Campeanu, R., Baciuc, I., Grigorescu, S.M., Carstea, B., Voinea, V., *GPRS Based System for Atmospheric Pollution Monitoring and Warning*, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, VOL 2, Pages: 193-198, May 25-28, 2006, ISBN:1-4244-0360-X, (ISI Proceedings, IEEE Xplore, WOS:000241464000035).
5. Suciu, C., Campeanu, R., Campeanu, A., Margineanu, I., Danila, A., *A virtual instrumentation-based on-line determination of a single/two phase induction motor drive characteristics at coarse start-up*, IEEE International Conference on Automation, Quality and Testing, Robotics, Vol. III, pp.440-443, May 22-25 2008, ISBN:978-1-4244-2576-1, (ISI Proceedings, IEEE Xplore, WOS:000259080200080).
6. Girbea, A., Suciu, C., Nechifor, S., Sisak, F., *Design and Implementation of a Service-Oriented Architecture for the Optimization of Industrial Applications*, IEEE Transactions on Industrial Informatics, Volume: 10, Issue: 1, Pages: 185-196, DOI: 10.1109/TII.2013.2253112, Feb 2014, (ISI Journal, WOS:000336668600019, FI: 6,764).
7. Itu, L. M., Sharma, P., Kamen, A., D., Suciu, C., Comaniciu, D., *Graphics Processing Unit Accelerated One-Dimensional Blood Flow Computation in the Human Arterial Tree*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 29, December, 2013, pp. 1428 – 1455, ISSN: 2040-7947, DOI: 10.1002/cnm.2585 (ISI journal, WOS:000327732300008, FI: 1.849).
8. Itu, L. M., Suciu, C., *An external tissue support model for the arterial wall based on in vivo data*, Proc. of IEEE International Symposium on Medical Measurements and Applications – MeMeA 2014, Lisbon, Portugal, June 11-12, 2014, pp. 1-6, ISBN: 978-1-4799-2922-1 (ISI Proceedings, IEEE Xplore, WOS:000346747000029).
9. Itu, L. M., Sharma, P., Suciu, C., Moldoveanu, F., Comaniciu, D., *Personalized Blood Flow Computations: A Hierarchical Parameter Estimation Framework for Tuning Boundary Conditions*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 33, March 2017, pp. e02803, ISSN: 2040-7947, DOI: 10.1002/cnm.2803 (ISI journal, WOS:000395407900006, FI: 2,192.Q2)





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**TEZA DE DOCTORAT**

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Titlu: *Switch Mode Emulation of Large Value Capacitors In The Rotor Circuit To Improve The Induction Motor Performance*, 2000.

Îndrumător: Mohan KANSARA

Universitate: Nottingham Trent, UK

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**BREVETE**

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1. Itu, L.M., Sharma, P., Zheng, X., Kamen, A., Suciu, C., Comaniciu, D., *A Framework for Personalization of Coronary Flow Computations During Rest and Hyperemia*, World Patent Application WO/2013/138428, September 2013.

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**CĂRȚI / CAPITOLE DE CĂRȚI**

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1. Itu, L.M., Sharma, P., Suciu, C., *Patient-specific Hemodynamic Computations: Application to Personalized Diagnosis of Cardiovascular Pathologies*, Springer, Heidelberg, Germany, 2017, 234 pag., ISBN: 78-3-319-56852-2, DOI: 10.1007/978-3-319-56853-9.
2. Dafinca, L., Suciu, C., *Sisteme Expert in Automatica*, Editura Universității Transilvania din Brașov, 2017, ISBN 978-606-19-0890-5 (Cod CNC SIS 81).
3. Suciu, C., Itu, L.M., *Introducere în Rețele Industriale de Comunicați*, Editura Universității Transilvania din Brașov, 2017, 98 pag., ISBN: (Cod CNC SIS 81).
4. Suciu, C., Dafinca, L., Campeanu, R., Blendea, C., *Introduction to Expert Systems. Fuzzy Systems*, Editura Universitatii Transilvania, 2007, ISBN 978-973-635-889-0.
5. Suciu, C., Dănilă, C., Câmpeanu, R., *Electronica de putere*, Editura Universității Transilvania din Brașov, 2009, ISBN 978-973-598-638-4.
6. Campeanu, R., Suciu, C., Demeter, R., *Sisteme cu microprocesoare. Limbajul de asamblare*, Editura Universității Transilvania din Brașov, 2007, ISBN 978-973-635-888-3.

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**ARTICOLE ÎN REVISTE**

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1. Suciu, C., Kansara, M., Holmes, P.G., Szabo, W., *Phase advancing for current in R-L circuits using switched capacitors*, Electronics Letters, Volume: 35, Issue: 16, 5 Aug 1999, ISSN: 0013-5194, DOI: 10.1049/el:19990923, (ISI journal, WOS:000082310900007, FI: 1,155).
2. Suciu, C., Kansara, M., Holmes, P., Szabo, W., *Performance enhancement of an induction motor by secondary impedance control*, IEEE Transactions on Energy Conversion, Volume: 17, Issue: 2, Pages: 211-216, DOI: 10.1109/TEC.2002.1009470, JUN 2002, ISSN: 0885-8969, (ISI Journal, WOS:0001761770000, FI: 3,808).
3. Girbea, A., Suciu, C., Nechifor, S., Sisak, F., *Design and Implementation of a Service-Oriented Architecture for the Optimization of Industrial Applications*, IEEE Transactions on Industrial Informatics, Volume: 10, Issue: 1, Pages: 185-196, DOI: 10.1109/TII.2013.2253112, Feb 2014, (ISI Journal, WOS:000336668600019, FI: 6,764).
4. Itu, L. M., Sharma, P., Kamen, A., D., Suciu, C., Comaniciu, D., *Graphics Processing Unit Accelerated One-Dimensional Blood Flow Computation in the Human Arterial Tree*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 29, December, 2013, pp. 1428 – 1455, ISSN: 2040-7947, DOI: 10.1002/cnm.2585 (ISI journal, WOS:000327732300008, FI: 2,192).

5. Itu, L. M., Sharma, P., Passerini T., Kamen, A., D., Suciu, C., Comaniciu, D., *A Parameter Estimation Framework for Patient-specific Hemodynamic Computations*, Journal of Computational Physics. Vol. 281, Jan. 2015, pp. 316-333, ISSN 0021-9991, DOI: 10.1016/j.jcp.2014.10.034 (ISI journal, WOS:000346429300018, FI: 2,744,Q1).
6. Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Itu, L.M., Lazar, L., Carp, M., Itu, A., Suciu, C., Passerini, T., Sharma, S., Georgescu, B., Comaniciu, D., *Image-Based Computation of Instantaneous Wave-free Ratio from Routine Coronary Angiography - Initial Validation by Invasively Measured Coronary Pressures*, Journal of the American College of Cardiology, Vol. 66, October 2015, pp. B17-B18, ISSN: 0735-1097, DOI: 10.1016/j.jacc.2015.08.087 (ISI Journal, WOS:000363329000041, FI: 19,896,Q1).
7. Itu, L. M., Sharma, P., Suciu, C., Moldoveanu, F., Comaniciu, D., *Personalized Blood Flow Computations: A Hierarchical Parameter Estimation Framework for Tuning Boundary Conditions*, International Journal on Numerical Methods in Biomedical Engineering, Vol. 33, March 2017, pp. e02803, ISSN: 2040-7947, DOI: 10.1002/cnm.2803 (ISI journal, WOS:000395407900006, FI: 2,192,Q2).
8. Itu, L.M., Passerini, T., Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Penes, D., Lazar, L., Carp, M., Itu, A., Suciu, C., Sharma, S., Georgescu, B., Comaniciu, D., *Image-Based Computation of Instantaneous Wave-free Ratio from Routine Coronary Angiography - Evaluation of a Hybrid Decision Making Strategy with FFR*, Journal of the American College of Cardiology, Vol. 67, April 2016, pp. 328, ISSN: 0735-1097, DOI: 10.1016/S0735-1097(16)30329-1 (ISI Journal, WOS:000375188701172, FI: 19,896, Q1).
9. Calmac, L., Niculescu, R., Badila, E., Weiss, E., Zamfir, D., Penes, D., Itu, L.M., Lazar, L., Carp, M., Itu, A., Suciu, C., Passerini, T., Sharma, S., Georgescu, B., Comaniciu, D., *A data-driven approach combining image-based anatomical features and resting state measurements for the functional assessment of coronary artery disease*, Journal of the American College of Cardiology, Vol. 68, November 2016, pp. B212-B213, ISSN: 0735-1097, DOI: 10.1016/j.jacc.2016.09.664 (ISI Journal, WOS:000398590400054, FI: 19,896, Q1).

#### ARTICOLE PUBLICATE IN VOLUME ALE CONFERINTELOR INTERNAȚIONALE

1. Suciu, C., Dafinca, L., Kansara, M., Margineanu, I., *Switched capacitor fuzzy control for power factor correction in inductive circuits*, PESC 2000: 31ST ANNUAL IEEE POWER ELECTRONICS SPECIALISTS CONFERENCE, VOLS 1-3, JUN 18-23, 2000, ISBN:0-7803-5693-4, (ISI Proceedings, IEEE Xplore, WOS:000166883500120).
2. Campeanu, R., Suciu, C., Demeter, R., *Optimal Control for Bridge Series Resonant Inverter*, 2006 IEEE-TTTC INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, VOL 1, PROCEEDINGS, Published: 2006, ISBN:1-4244-0360-X, (ISI Proceedings, IEEE Xplore, WOS:000241459500032).
3. Suciu, C., Moldoveanu, F., Campeanu, R., Baci, I., Grigorescu, S.M., Carstea, B., Voinea, V., *GPRS Based System for Atmospheric Pollution Monitoring and Warning*, 2006 IEEE International Conference on Automation, Quality and Testing, Robotics, VOL 2, Pages: 193-198, May 25-28, 2006, ISBN:1-4244-0360-X, (ISI Proceedings, IEEE Xplore, WOS:000241464000035).
4. Campeanu R., Suciu C., Demeter R., *Electronically controlled capacitor*, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006), VOL II: Power Electronics, Electrical Machines & Drivers, pp99-102, May 18-19, 2006, Brasov, ROMANIA, ISBN:978-973-635-704-6, (ISI Proceedings, WOS:000256418400019).



5. Moldoveanu, Fl., Suciu, C., Baci, I., Grigorescu, S. M., Carstea, B., Voinea, V., *Microcontroller based SCADA system for air pollution monitoring and warning*, Proceedings of 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006), VOL III: Industrial Automation And Control, pp 185-190, May 18-19, 2006, Brasov, ROMANIA, ISBN: 978-973-635-705-3, (ISI Proceedings, WOS: 000256418900031).
6. Danila, A., Margineanu, I., Campeanu, R., Suciu, C., *Experimental validation of the dynamic model of a single/two phase induction motor*, 11th International Conference on Optimization of Electrical and Electronic Equipment, May 22-23, 2008, ISBN: 978-1-4244-1544-1, (ISI Proceedings, IEEE Xplore, WOS: 000258258700004).
7. Danila, A., Margineanu, I., Campeanu, R., Suciu, C., Boian, I., *The optimization of the single/two phase induction motor start-up with electronically switched capacitor*, IEEE International Conference on Automation, Quality and Testing, Robotics, Vol. III, pp. 450-453, May 22-25, 2008, ISBN: 978-1-4244-2576-1 (ISI Proceedings, IEEE Xplore, WOS: 000259080200083).
8. Suciu, C., Campeanu, R., Campeanu, A., Margineanu, I., Danila, A., *A virtual instrumentation-based on-line determination of a single/two phase induction motor drive characteristics at coarse start-up*, IEEE International Conference on Automation, Quality and Testing, Robotics, Vol. III, pp. 440-443, May 22-25 2008, ISBN: 978-1-4244-2576-1, (ISI Proceedings, IEEE Xplore, WOS: 000259080200080).
9. Moldoveanu, F., Boldisor, C., Floroian, D., Suliman, C., Suciu, C., *Intelligent active vision system for autonomous robots*, 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Pages: 746-753, 20-22 May 2010, ISBN: 978-1-4244-7019-8, (ISI Proceedings, IEEE Xplore, WOS: 000291967300107).
10. Floroian, D., Moldoveanu, F., Ryvkin, S., Suciu, C., *Surveillance multiagent system using robot vision based on fuzzy controller*, 12th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), Pages: 819-824, 20-22 May 2010, ISBN: 978-1-4244-7019-8, (ISI Proceedings, IEEE Xplore, WOS: 000291967300118).
11. Itu, L.M., Suciu, C., Postelnicu, A., Moldoveanu, F., *Analysis of Outflow Boundary Condition Implementations for 1D Blood Flow Models*, Proceedings of the 3rd IEEE International Conference on e-Health and Bioengineering – EHB 2011, Iași, Romania, November 24÷26, 2011, pp. 467÷470, ISBN: 978-1-4577-0292-1 (ISI Proceedings, IEEE Xplore, WOS: 000304806300095).
12. Girbea, A., Suciu, C., Sisak, F., *An innovative and flexible architecture for industrial automation*, 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), pp. 1085-1092, 24-26 May 2012, ISBN: 978-1-4673-1650-7, (ISI Proceedings, IEEE Xplore, WOS: 000398866700162).
13. Tarnauca, B., Puiu, D., Comnac, V., Suciu, C., *Modelling a flexible manufacturing system using reconfigurable finite capacity Petri nets*, 2012 13th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM), VOLS 1-5, pp. 1079-1084, 24-26 May 2012, ISBN: 978-1-4673-1650-7, (ISI Proceedings, IEEE Xplore, WOS: 000398866700161).
14. Itu, L.M., Sharma P., Kamen, A., Suciu, C., Postelnicu, A., Moldoveanu, F., *GPU Accelerated Simulation of the Human Arterial Circulation*, Proceedings of the 13th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2012, Braşov, Romania, May 24-26, 2012, pp. 1478-1485, ISSN: 1842-0133 (ISI Proceedings, IEEE Xplore, WOS: 000398866700225).
15. Itu, L. M., Sharma, P., Mihalef, V., Kamen, A., Suciu, C., Comaniciu, D., *A Patient-specific Reduced-order Model for Coronary Circulation*, Proc. of the IEEE Inter. Symp. On Biomedical Imaging - ISBI 2012, Barcelona, Spain, May 2-5, 2012, pp. 832-835, ISSN:





- 1945-7928. ISBN: 978-1-4577-1857-1 (ISI Proceedings, IEEE Xplore, WOS:000312384100209).
16. Sharma, P., Itu, L. M., Zheng, X., Kamen, A., Bernhardt, D., Suciu, C., Comaniciu, D., *A Framework for Personalization of Coronary Flow Computations During Rest and Hyperemia*, Proc. of the 34th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2012, San Diego, California, USA, Aug. 28-Sept. 1, 2012, pp. 6665 - 6668, ISSN: 1557-170X, ISBN: 978-1-4244-4119-8 (ISI Proceedings, IEEE Xplore, WOS:000313296506209).
  17. Itu, L. M., Sharma, P., Zheng, X., Mihalef, V., Kamen, A., Suciu, C., *Patient-Specific Modeling and Hemodynamic Simulation in Healthy and Diseased Coronary Arteries*, Proc. of the ASME 2012 Summer Bioengineering Conference - SBC 2012, Fajardo, Puerto Rico, June 20-23, 2012, ISBN 978-0-7918-4480-9 (ISI Proceedings, Google Scholar, WOS:000325036600291).
  18. Niță, C., Itu, L. M., Suciu, C. *GPU Accelerated Blood Flow Computation using the Lattice Boltzmann Method*, 17<sup>th</sup> IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 10-12, 2013, pp. 1-6, ISBN: 978-1-4799-1364-0 (ISI Proceedings, IEEE Xplore, WOS:000332186600009).
  19. Itu, L. M., Sharma, P., Kamen, A., D., Suciu, C., Comaniciu, D. *A Novel Coupling Algorithm for Computing Blood Flow in Viscoelastic Arterial Models*, Proc. of the 35th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2013, Osaka, Japan, July 3-7, 2013, pp. 727-730, ISSN: 1557-170X (ISI Proceedings, IEEE Xplore, WOS:000341702101054).
  20. Itu, L. M., Suciu, C. *A method for modeling surrounding tissue support and its global effects on arterial hemodynamics*, Proc. of IEEE International Conference on Biomedical and Health Informatics – BHI 2014, Valencia, Spain, June 1-4, 2014, pp. 1-4, ISSN: 2168-2194 (ISI Proceedings, IEEE Xplore, WOS:000346504900141).
  21. Itu, L. M., Suciu, C. *An external tissue support model for the arterial wall based on in vivo data*, Proc. of IEEE International Symposium on Medical Measurements and Applications – MeMeA 2014, Lisbon, Portugal, June 11-12, 2014, pp. 1-6, ISBN: 978-1-4799-2922-1 (ISI Proceedings, IEEE Xplore, WOS:000346747000029).
  22. Itu, L. M., Sharma, P., Georgescu, B., Kamen, A., D., Suciu, C., Comaniciu, D. *Model Based Non-invasive Estimation of PV Loop from Echocardiography*, Proc. of the 36th Annual Inter. Conf. of the IEEE Engineering in Medicine & Biology Society - EMBC 2014, Chicago, USA, August 26-30, 2014, pp. 6774-6777, ISSN: 1094-687X (ISI Proceedings, IEEE Xplore, WOS:000350044706186).
  23. Vizitiu, A., Itu, L.M., Nita, C., Suciu, C. *Optimized Three-Dimensional Stencil Computation on Fermi and Kepler GPUs*, 18<sup>th</sup> IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 9-11, 2014, pp. 78-83, ISBN: 978-1-4799-6232-7 (ISI Proceedings, IEEE Xplore, WOS:000380479300026).
  24. Stroia, I., Itu, L., Niță, C., Lazăr, L., Suciu, C. *GPU Accelerated Geometric Multigrid Method: Comparison with Preconditioned Conjugate Gradient*, 19<sup>th</sup> IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 15-17, 2015, pp. 1-6, ISBN: 978-1-4673-9287-7 (ISI Proceedings, IEEE Xplore, WOS:000380543000044).
  25. Iacob, A., Itu, L.M., Sasu, L., Moldoveanu, F., Suciu, C., *GPU Accelerated Information Retrieval Using Bloom Filters*, Proceedings of the 19th International Conference on System Theory, Control and Computing – ICSTCC 2015, Cheile Grădiștei – Fundata, Romania, October 14÷16, 2015, pp. 872÷876, ISBN: 978-1-4799-8481-7 (ISI Proceedings, IEEE Xplore, WOS:000382384100145).
  26. Stroia, I., Itu, L., Niță, C., Lazăr, L., Suciu, C. *GPU Accelerated Geometric Multigrid Method - Performance Comparison on Recent NVIDIA Architectures*, 19th Inter. Conf. on System Theory, Control and Computing - ICSTCC 2015, Sinaia, Romania, October 14-16, 2015, pp.



- 175-179, ISBN: 978-1-4799-8482-4 (ISI Proceedings, IEEE Xplore, WOS: 000382384100030).
27. Vizitiu, A., Itu, L., Joyseeree, R., Depeursinge, A., Muller, H., Suciu, C. *GPU-Accelerated Texture Analysis Using Steerable Riesz Wavelets*, 24th Euromirco International Conference on Parallel, Distributed, and Network-Based Processing – PDP 2016, Heraklion Crete, Greece, February 17-19, 2016, pp. 56-61, ISSN: 2377-5750 (ISI Proceedings, IEEE Xplore, WOS:000381810900066
  28. Nita, C., Stroia, I., Itu, L.M., Suciu, C., Mihalef, V., Datar, M., Rapaka, S., Sharma, P. *GPU accelerated, robust method for voxelization of solid objects*, 20<sup>th</sup> IEEE High Performance Extreme Computing Conference, Waltham, MA, USA, Sept. 13-15, 2016, pp. 50-55, ISBN: 978-1-5090-3526-7 (ISI Proceedings, IEEE Xplore, WOS:000391407100006).
  29. Suciu, C., Kansara, M., Holmes, P.G., *A Space-Vector Model of a Static Leading VAR Secondary Controlled Induction Motor Drive*, Proceedings of the 6th International Conference on Optimization of Electrical and Electronic Equipments, 1998. OPTIM '98, Brasov, 14-15 May 1998, 973-98511-2-6.
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