Curriculum Vitae Europass

Informaţii personale

Nume / Prenume	**Costea Ruxandra Liana**
Adresa(e)	Bucuresti (Romania)
E-mail(uri)	ruxandra.costea@upb.ro
Naţionalitate(-tăţi)	Romana
Data naşterii	29 a lunii ianuarie 1976
Sex	Femeiesc

Experienţa profesională

Perioada	03/2007 →
Funcţia sau postul ocupat	sef de lucrari
Activităţi si responsabilităţi principale	Cursuri: Neural Networks, Bazele Electrotehnicii, Retele neurale. Seminarii: Bazele Electrotehnicii, Retele Neurale Laborator: Neural Networks, Metode numerice in Ingineria Electrica, Internet si baze de date, Comunicatii de date.
Numele şi adresa angajatorului	Universitate Politehnica bucuresti 313 Spaiul Independentei, Bucuresti (Romania)

Perioada	10/2000 - 02/2007
Funcţia sau postul ocupat	Asistent
Activităţi si responsabilităţi principale	Seminarii si Laboratoare: Bazele Electrotehnicii, Metode numerice, Internet si baze de date, Neural Networks, Electromagnetism, Teoria circuitelor.
Numele şi adresa angajatorului	Universitate Politehnica Bucuresti 313 Splaiul Independentei, Bucuresti (Romania)

Educaţie şi formare

Perioada	Aprilie 2000 - Iunie 2000
Disciplinele principale studiate/competenţele profesionale dobândite	Training Center for Mobile Communications sponsored by Mobilrom (Orange) Curs: Mobile Communications in the Beginning of the Millennium
Numele şi tipul instituţiei de învăţământ/furnizorului de formare	Universitatea Politehnica Bucuresti (Facultatea de Electronica, Telecomunicatii si Tehnologia Informatiei) 1-3 B-dul iuliu Maniu, Bucuresti (Romania)

Perioada	Octombrie 2000 - Mai 2001
Disciplinele principale studiate/competenţele profesionale dobândite	Cisco Networking Academy Program Certificates for the first 3 CCNA semesters
Numele şi tipul instituţiei de învăţământ/furnizorului de formare	Universitatea Politehnica Bucuresti (Facultatea de Electronica si Tehnologia Informatiei) 1-3 B-dul Iuliu Maniu, Bucuresti (Romania)

Aptitudini şi competenţe personale

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Limba maternă **Romana**

Limbi străine cunoscute

Autoevaluare	Înţelegere				Vorbire				Scriere	
Nivel european (*)	Ascultare		Citire		Participare la conversaţie		Discurs oral			
Engleză	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	C1	Utilizator experimentat	B2	Utilizator independent

(*) Cadrului european comun de referinţă pentru limbi

Permis de conducere B

Informaţii suplimentare

CARTI:

1. M. Ghitiu, A. Tomescu, V. Bucata, R. L. Costea, F.M.G. Tomescu - "Introducere in Transmisiunea Informatiei prin programe Scilab", Ed. Printech, Bucuresti, 2004, ISBN 973-652-908-8.

2. E. Cazacu, O. Drosu, G. Epureanu, L. Petrescu, V. Manescu, G. Paltanea, R.L. Costea, V. Bucata – "Chestiuni speciale de teoria circuitelor electrice – Elemente de teorie si aplicatii", Vol. 1, Editura MATRIX-ROM, Bucuresti, 2005, ISBN 973-685-925-8.

ARTICOLE REVISTA

PUBLICATIONS:

1. R. L. Costea and C.A. Marinov, "New accurate and flexible design procedure for a stable KWTA continuous time network", IEEE Transactions on Neural Networks, Vol. 22, No.9, pp.1357-1367, 2011.

2. C. A. Marinov and R. L. Costea, "Time-Oriented Synthesis for a WTA Continuous Time Neural Networks Affected by Capacitive Cross-Coupling", IEEE Transactions on Circuits and Systems I: Regular Papers, Vol. 57, No. 6, pp. 1358-1370, June 2010.

ARTICOLE CONFERINTA:

1. C.A. Marinov**, R.L. Costea** and V.E. Bucata**, "***On the invariance of Lazzaro circuit model***",** 2012 The 55th Internatinal Midwest Symposium on Circuits and Systems (MWSCAS)**,** pp.1188-1191, Boise, USA, August 2012.

2. R. L. Costea and C. A. Marinov, "Continuous time recurrent neural network designed for KWTA operation", 2011 International Joint Conference on Neural Networks – IJCNN 2011, pp. 86-89, San Jose, USA.

3. R. L. Costea and C. A. Marinov, "Recurrent neural networks as a KWTA selector: a synthesis procedure", IEEE International Symposium on Circuits and Systems - ISCAS 2011, pp.1093-1096, Rio de Janeiro, Brazilia, 2011.

4. R. L. Costea and C. A. Marinov, "K-WTA Selection Using a Recurrent Neural Network", Proceedings of Fourteenth International Conference on Cognitive and neural Systems, May 19-22, 2010, Boston, USA.

5. R. L. Costea and C.A. Marinov, "Time evaluation for WTA Hopfield type circuits affected by cross-coupling capacitances", in M. Koppen et al. (EDS), ICONIP 2008, Part II, LNCS 5507, p. 885-892, Springer-Verlag Berlin Heidelberg, 2009.

6. R. L. Costea and C. A. Marinov, "Speed and correctness in computational neural circuits", Proceedings of Thirteenth International Conference on Cognitive and neural Systems, pp.128, May 27-30, 2009, Boston, USA.

7. R. L. Costea and C. A. Marinov, "Time evaluation for Hopfield type circuits affected by cross-coupling capacitances", 15th Internatinal Conference, ICONIP 2008, pp. 82-83, Nov. 2008, Auckland, New Zeeland.

8. R. L. Costea and C. A. Marinov, "Time-problem in Hopfield neural networks with parasitic capacitances", International Symposium on Electronics and Telecommunication ETC'08, Eight Edition,

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25-26 September, 2008, Timisoara, Romania. Published in “Buletinul Stiintific al Universitatii Politehnica din Timisoara”, Transactions on Electronics and Commmunications, Tom 53(67), Fascicola 1, 2008.

9. R. L. Costea and C. A. Marinov, “A neural maximum selector: explicit parameters set-up for time performance”, The 5th International Mediterranean ana Latin American Modeling Multi-Conference I3M 2008, The European Modeling & Simulation symposium EMSS 2008, pp. 348-352, September 17-19, 2008, Campora S. Giovanni, Italy, ISSN 978-88-903724-0-7.

10. R. L. Costea and C. A. Marinov, “Correct behavior and processing time for a WTA neural network under the influence of coupling capacitances”, Proceedings of Twelfth International Conference on Cognitive and neural Systems, pp.117, May 14-17, 2008, Boston, USA.

11. R. L. Costea and C. A. Marinov, “Clocking and WTA design of a continuous time Hopfield net with parasitic capacitances”, European Conference on Circuit Theory and Design, ECCTD2007, pp. 396-399, Seville, 26-30 August 2007, IEEE Catalog number 07EX1835C, ISBN 1-4244-1342-7.

12. R. L. Costea and C. Marinov, ”Clocking a WTA network under capacitive coupling”, International Symposium on Signals Circuits and Systems, ISSCS, pp. 273-274, Vol. 1, ISSCS, Iasi, 2007, IEEE Catalog number 07EX1678, ISBN 1-4244-0968-3.

13. R. L. Costea and C.A. Marinov, ”The impact of capacitive faults on WTA performances”, The 6-th International Conference on Scientific Computing in Electrical Engineering - SCEE2006, pp.148-149, Sinaia, Romania, September 2006.

14. R. L. Costea and C. A. Marinov, ”Processing time and cross capacitive coupling for a Winner Take All circuit”, International Conference Mixed Design of Integrated Circuits and Systems, Gdynia, Poland, pp.518-521, June 2006.

15. R. L. Costea and C. A. Marinov, ”Capacitive cross-coupling faults andWTA correct behaviour”, 10th IEEE Workshop on Signal Propagation on Interconnects, Berlin, Germany, pp. 189-192, May 2006.

16. V. Bucata, R. L. Costea, and C. A. Marinov, ”Circuit WTA cu tranzistoare MOS functionand in regim sub-prag”, Simpozionul National de Electrotehnica Teoretica, Bucharest, 12-14 May, 2005.

17. C. A. Marinov, R. L. Costea, and V. Bucata, ”KWTA Networks with Equally-Leveled Competitors”, Simpozionul National de Electrotehnica Teoretica, Bucharest, circ_P13.pdf, ISBN 973-718-096-8, 22-23 October, 2004.

18. C. A. Marinov, B. Calvert, R. L. Costea, and V. Bucata, ”Time Evaluations for Analog KWTA Processors”, ECCOMAS 2004, Jyvaskyla, Finland,vol. II, 664.pdf, ISBN 951-39-1869-6, 24-28 July, 2004.

19. C. A. Marinov, R. L. Costea, and V. Bucata, ”Extreme Working Conditions for Neural Selector”, ECCOMAS 2004, Jyvaskyla, Finland, Vol. II, 663.pdf, ISBN 951-39-1869-6, 24-28 July, 2004.

20. R. L. Costea and C. A. Marinov, ”Time analysis of neural selection”, Advanced Topics in Electrical Engineering (ATEE 2002), Electrical Engineering and Mathematics, pp.41, Bucharest, UPB, ISBN 973-652-674-7, 29 Noiembrie 2002, ISBN 973-652-674-7.

21. C.A. Marinov, B. Calvert and R. L. Costea, ”Processing a sequence of lists with a KWTA analog neural network”, 13-th Int. Conf. Systems Research. Informatics and Cybernetics, July 30 - Aug. 4 2001, Baden-Baden, Germany in Proceedings of the Focus Symposium on Learning and Adaptation in Stochastic and Statistical Systems, edts. A. Murgu and G.E. Lasker, IIAS, Univ. of Windsor,pp. 6-12, ISBN 1-894613-17-1, 2002

22. C. A. Marinov and R. L. Costea, ”Crossbar switching by neural network", Proceedings of the 3-rd Japan-Romania Joint Seminar on Applied Electromagnetics and Mechanical Systems (editors T.Maghyar and K.Nagayo), Oradea, Sept 2001, pp. 55-62, ISBN 973-613-060-6.

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