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Numele și prenumele: **Bozomitu Radu Gabriel**

- A. **Teza de doctorat.** „*Contribuții la studiul și implementarea filtrelor active pentru radiofrecvență*”, sub îndrumarea D-lui Prof. dr. ing. Liviu Goraș, care a fost susținută public la data de 25.10.2004, acordându-se distincția „**CUM LAUDE**”.
- B. **Cărți** (manuale, monografii, tratate, îndrumare etc.) publicate în străinătate.
- C. **Cărți** (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCSIS.

Cărți

1. **Radu Gabriel Bozomitu**, „*Tehnici de liniarizare pentru circuitele integrate de radiofrecvență*”, ISBN 978-973-7742-77-3, 298 pag., Editura Fundației Academice AXIS (Cod CNCSIS 122), Iași, 2009;
2. **Radu Gabriel Bozomitu**, „*Radioemițătoare și radioreceptoare*”, ISBN 978-973-730-980-8, 297 pag., Editura Performantica (Cod CNCSIS 85), Iași, 2012;
3. **Radu Gabriel Bozomitu**, „*Circuite VLSI pentru radiofrecvență*”, ISBN 978-973-730-996-9, 253 pagini, Editura Performantica (Cod CNCSIS 85), Iași, 2013;
4. **Radu Gabriel Bozomitu**, „*Tehnici de comunicare prin detecția privirii utilizate în tehnologiile asistive*”, ISBN 978-973-621-458-5, 252 pag., Editura Politehniun (Cod CNCSIS 211), Iași, 2016;
5. Vlad Cehan, **Radu Gabriel Bozomitu**, „*Introducere în comunicații prin sateliți*”, ISBN 978-606-25-0303-1, 123 pag., Editura Matrix Rom (Cod CNCSIS 39), București, 2016;

Îndrumare de laborator

1. Vlad Cehan, **Radu Gabriel Bozomitu**, „*Bazele Radioemisiei - Îndrumar de laborator*”, ISBN 973-85012-1-0, 269 pag., Editura Stef (Cod CNCSIS 88), Iași, 2002;
2. Luminița Scripcariu, **Radu Gabriel Bozomitu**, „*Introducere în Comunicații – Îndrumar de laborator*”, ISBN 973-87727-1-0, 106 pag., Editura KARRO, Iași, 2006;
3. **Radu Gabriel Bozomitu**, „*Radioemițătoare și radioreceptoare – Îndrumar de laborator*”, ISBN 978-973-7742-79-7, 255 pag., Editura Fundației Academice AXIS (Cod CNCSIS 122), Iași, 2009;
4. **Radu Gabriel Bozomitu**, „*Circuite VLSI pentru radiofrecvență – Îndrumar de laborator*”, ISBN 978-973-621-459-2, 184 pag., Editura Politehniun (Cod CNCSIS 211), Iași, 2016;

- D. **Cărți** (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

E. **Cărți** (manuale, monografiile, tratate, îndrumare etc.) publicate pe web

1. **Radu Gabriel Bozomitu**, „*Radiocomunicații avansate – Curs*”, 164 pag., publicat pe web (platforma „Moodle”), Iași, 2016;

2. **Radu Gabriel Bozomitu**, „*Radiocomunicații avansate – Îndrumar de laborator*”, 150 pag., publicat pe web (platforma „Moodle”), Iași, 2016;

F. **Lucrări științifice publicate în reviste cotate ISI sau indexate în baze de date internaționale.**

Lucrări în reviste cotate ISI (7)

1. **Radu Gabriel Bozomitu**, Vlad Cehan, Liviu Goraș, “*Analysis of KHN Biquad*”, Romanian Journal of Information Science and Technology, Vol. 5, No. 3, 2002, pp. 283-306, ISSN 1453-8245 (**ISI Journal**); Factor de impact = 0.154;
<http://www.imt.ro/romjst/>; Zona 3; Top 97;

2. **Radu Gabriel Bozomitu**, Vlad Cehan, Valentin Popa, “*A New Linearization Technique Using Multi-sinh Doublet*”, Advances in Electrical and Computer Engineering, ISSN Print 1582-7445, ISSN On-line 1844-7600, vol. 9, no. 2, pp. 45-57, 2009, Ed. Faculty of Electrical Engineering and Computer Science, Stefan cel Mare University of Suceava, Universitatii 13, 720229, Suceava, ROMANIA, (**ISI Web of Knowledge, SCOPUS**); Factor de impact = 0.555; Zona 3; Top 187;
<http://www.aece.ro/abstractplus.php?year=2009&number=2&article=8;>

3. **Radu Gabriel Bozomitu**, Neculai Cojan, “*A VLSI Implementation of a New Low Voltage 5(th) Order Differential G(m)-C Low-Pass Filter with Auto-Tuning Loop in CMOS Technology*”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, Volume: 11, Issue: 1, Pages: 23-30, Published: 2011, (**ISI Web of Knowledge, SCOPUS**); Factor de impact = 0.555; Zona 3; Top 187;
<http://www.aece.ro/abstractplus.php?year=2011&number=1&article=4>

4. **Radu Gabriel Bozomitu**, “*New Methods of Detecting Voluntary Blinking Used to Communicate with Disabled People*”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, e-ISSN 1844-7600, vol. 12, no. 4, pp. 47-52, 2012, doi:10.4316/AECE.2012.04007 (**ISI Web of Knowledge**); Factor de impact = 0.555; Zona 3; Top 187;
<http://www.aece.ro/abstractplus.php?year=2012&number=4&article=7>

5. **Radu Gabriel Bozomitu**, Vlad Cehan, “*New ELIN Systems Using CMOS Transistors in Weak Inversion Operation*”, Advances in Electrical and Computer Engineering, ISSN 1582-7445, e-ISSN 1844-7600, vol. 13, no. 4, pp. 99-102, 2013, doi:10.4316/AECE.2013.04017 (**ISI Web of Knowledge**); Factor de impact = 0.552; Zona 3; Top 187;
<http://www.aece.ro/abstractplus.php?year=2013&number=4&article=17>

6. **Radu Gabriel Bozomitu**, “*A New Linearized CCII-Based Fully Differential CMOS Transconductor Used for Gm-C Active Filters Implementation*”, Wireless Personal Communications, ISSN: 0929-6212 (Print), 1572-834X (Online), Volume 74, Issue 2, January 2014, pp. 615-637, DOI 10.1007/s11277-013-1310-x, Published online: 11 July 2013, (**ISI Web of Knowledge**); Impact Factor = 0.979; Zona 3; Top 60;
[http://link.springer.com/article/10.1007%2Fs11277-013-1310-x;](http://link.springer.com/article/10.1007%2Fs11277-013-1310-x)

7. **Radu Gabriel Bozomitu**, Neculai Cojan, “A new CMOS differential current-mode AGC on the division operation based”, *Microelectronics Journal*, ISSN: 0026-2692, Volume 46, Issue 11, November 2015, Pages 1039–1045, doi:10.1016/j.mejo.2015.08.014, Impact Factor = 0.923; (ISI Web of Knowledge); <http://www.sciencedirect.com/science/article/pii/S0026269215002037>;

Lucrări la conferințe internaționale ISI Proceedings (35)

1. **Radu Gabriel Bozomitu**, Liviu Goraș, Vlad Cehan, “A New ELIN Lossy Integrator with Instantaneous “Arcsinh” Companding”, in Proc. of The 26th International Spring Seminar on Electronics Technology, ISBN 0-7803-8002-9, pp. 35-40, High Tatras, Slovak Republic, May 08-11, 2003, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

2. **Radu Gabriel Bozomitu**, Liviu Goraș, Vlad Cehan, “New Linearized Current Mode Lossy Integrators in Bipolar Technology”, in Proc. of International Symposium on Signals, Circuits and Systems, ISBN 0-7803-7979-9, Vol. 2, pp. 593-596, Iași, Romania, July 10-11, 2003, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

3. **Radu Gabriel Bozomitu**, Dănuț Burdia, Vlad Cehan, “Study on “Tanh” Ideal and Lossy ELIN Integrators”, Annual School Lectures, International Journal devoted to research and technological solutions in the Field of Semiconductor – and Hybrid technologies, Ed. in Chief, Ph. Philippov, TU-Sofia, Sofia, Bulgaria, Vol. 24, ISSN 0861-0797, pp. 177-183, Proc. of The 27th International Spring Seminar on Electronics Technology - ISSE 2004, ISBN 0-7803-8422-9, Sofia, Bulgaria, May 13-16, 2004, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

4. Dănuț Burdia, **Radu Gabriel Bozomitu**, Ciprian Comșa, “Some Aspects on Modelling and Characterization of Deep Submicrometer CMOS Gates Driving Lossless Transmission Lines”, Annual School Lectures, International Journal devoted to research and technological solutions in the Field of Semiconductor – and Hybrid technologies, Ed. in Chief, Ph. Philippov, TU-Sofia, Sofia, Bulgaria, Vol. 24, ISSN 0861-0797, pp. 184-190, Proc. of The 27th International Spring Seminar on Electronics Technology - ISSE 2004, ISBN 0-7803-8422-9, Sofia, Bulgaria, May 13-16, 2004, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

5. Vlad Cehan, **Radu Gabriel Bozomitu**, Daniela Ionescu, “Noise Behavior of Elementary Transconductors Stages in Bipolar and CMOS Technology”, in Proc. of The 28th International Spring Seminar on Electronics Technology (ISSE 2005), (OVE-Schriftenreihe, Nr. 39), ISBN 0-7803-9324-4, pp. 334-340, Wiener Neustadt, May 19 – 22, 2005, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

6. **Radu Gabriel Bozomitu**, Liviu Goraș, “Simplified Sinh Current Mode Lossy ELIN Integrator”, in Proc. of International Symposium on Signals, Circuits and Systems, ISBN 0-7803-9029-6, Vol. 1, pp. 295-298, Iași, Romania, July 14-15, 2005, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

7. **Radu Gabriel Bozomitu**, Vlad Cehan, “A BiCMOS Implementation of 2nd Order Current Mode ELIN Filters Using the “Tanh” Mapping”, in Proc. of The 30th International Spring Seminar on Electronics Technology (ISSE 2007), ISBN 978-1-4244-1217-4, pp. 117-

122, Cluj-Napoca, Romania, May 9-13, 2007, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

8. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A Differential CMOS Automatic Gain Control Amplifier*”, in Proc. of International Symposium on Signals, Circuits and Systems, ISBN 978-1-4244-0968-6, Vol. 1, pp. 165-168, Iași, Romania, July 12-13, 2007, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

9. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Lossy ELIN Integrator Implementation by Unbalancing the Bias Currents of a “Sinh” Ideal ELIN Integrator*”, in Proc. of the 31st International Spring Seminar on Electronics Technology Reliability and Life-time Prediction, ISBN 978-1-4244-3973-7, pp. 312 - 317, 7-11 May, 2008, Budapest, Hungary, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

10. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Low Voltage Linearization Technique Employing Plurality of CCII Coupled Pairs*”, The 31st International Spring Seminar on Electronics Technology Reliability and Life-time Prediction, ISBN 978-1-4244-3973-7, pp. 318 - 323, 7-11 May, 2008, Budapest, Hungary, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

11. Vlad Cehan, Anca-Dana Cehan, **Radu-Gabriel Bozomitu**, “*A New Technology Of Communication With People With Major Neuro-Locomotor Disability*”, in Proc. of the 2nd Electronics System-Integration Technology Conference (ESTC-2008), IEEE Catalog Number: CFP08TEM-PRT, ISBN: 978-1-4244-2813-7, pp. 791-795, 1st – 4th September 2008, Greenwich, London, UK, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

12. **Radu Gabriel Bozomitu**, Vlad Cehan, “*Second Order G_m -C Filters Implementation Using a New Type of Transconductor Cell Based on “Multi-sinh” Doublet*”, in Proc. of the 32nd International Spring Seminar on Electronics Technology, Hetero System Integration, the path to New Solutions in the Modern Electronics, ISSE 2009, ISBN 978-1-4244-4260-7, pp. 439 – 444, May 13 – 17, 2009, Brno, Czech Republic, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

13. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Linearization Technique Using a CCII Doublet Transconductor in CMOS Technology*”, in Proc. of the International Symposium on Signals, Circuits and Systems, ISBN 978-1-4244-3784-9, Vol. 2, pp. 445-448, July 9-10, 2009, Iași, Romania, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

14. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Differential CCII Transconductor with Increased Linearity in Bipolar Technology*”, in Proc. of the International Symposium on Signals, Circuits and Systems, ISSCS 2011, ISBN 978-1-4577-0201-3, pp. 193-196, June 30 – July 1, 2011, Iași, Romania, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

15. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Differential ELIN Low Pass Filter of “Sinh” Type in Bipolar Technology*”, in Proc. of the 34th International Spring Seminar on Electronics Technology, ISSE 2011, ISBN 978-1-4577-2111-3, pp. 348-353, May 11 – 15, 2011, High Tatras, Slovakia, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;

16. Robert Gabriel Lupu, **Radu Gabriel Bozomitu**, Vlad Cehan and Dana Anca Cehan, “*A New Computer-Based Technology for Communicating with People with Major Neuro-Locomotor Disability Using Ocular Electromyogram*”, in Proc. of the 34th International Spring Seminar on Electronics Technology, ISSE 2011, ISBN 978-1-4577-2111-3, pp. 442-446, May 11 – 15, 2011, High Tatras, Slovakia, **Indexare ISI/BDI: ISI Web of Knowledge , IEEEExplore, SCOPUS, Engineering Village**; Factor de impact = 0.25;
17. **Radu Gabriel Bozomitu**, Neculai Cojan, Gabriel Bonteanu, “*A VLSI Implementation of the 4th Order Elliptic Fully Differential IIR Switched-capacitor Low-pass Filter in CMOS Technology*”, in Proc. of IEEE 19th International Symposium for Design and Technology in Electronic Packaging (SIITME 2013), pp. 85 – 88, 24 – 27 Oct. 2013, Galați, Romania, **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
18. **Radu Gabriel Bozomitu**, Vlad Cehan, and Robert Gabriel Lupu, “*A New CMOS Differential Input FM Quadrature Demodulator*”, in Proc. of the 37th International Spring Seminar on Electronics Technology, ISSE 2014, ISBN 978-3-934142-49-7, pp. 284 – 289, May 7 – 11, 2014, Dresden, Germany; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
19. Robert Gabriel Lupu, **Radu Gabriel Bozomitu**, and Vlad Cehan, “*Detection of Gaze Direction by Using Improved Eye-Tracking Technique*”, in Proc. of the 37th International Spring Seminar on Electronics Technology, ISSE 2014, ISBN 978-3-934142-49-7, pp. 294 – 297, May 7 – 11, 2014, Dresden, Germany; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
20. **Radu Gabriel Bozomitu**, Vlad Cehan, Constantin Barabașa, Neculai Cojan, “*A VLSI Implementation of a Frequency Synthesizer Based on a Charge Pump PLL*”, in Proc. of the IEEE 20th International Symposium for Design and Technology in Electronic Packaging, SIITME 2014, ISSN 2285-7109, pp. 141 - 144, October 23 – 26, 2014, Bucharest, Romania; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
21. **Radu Gabriel Bozomitu**, Vlad Cehan, Robert Gabriel Lupu, Cristian Rotariu, “*New Assistive Technology for Communicating with and Telemonitoring Disabled People*”, in Proc. of the IEEE 20th International Symposium for Design and Technology in Electronic Packaging, SIITME 2014, ISSN 2285-7109, pp. 99 - 102, October 23 – 26, 2014, Bucharest, Romania; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
22. **R. G. Bozomitu**, A. Păsărică, V. Cehan, C. Rotariu, C. Barabașa, “*Pupil centre coordinates detection using the circular Hough transform technique*”, in proc. of the 38th International Spring Seminar on Electronics Technology (ISSE 2015), vol., no., pp. 462-465, 6-10 May 2015, Eger, Hungary, doi: 10.1109/ISSE.2015.7248041; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
23. L. Niță, **R. G. Bozomitu**, V. Cehan, C. Rotariu, R. G. Lupu, “*Software for a bidirectional communication system for neuromotor disabled patients*”, in proc. of the 38th International Spring Seminar on Electronics Technology (ISSE 2015), vol., no., pp. 458-461, 6-10 May 2015, Eger, Hungary, doi: 10.1109/ISSE.2015.7248040; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;
24. V. Cehan, **R. G. Bozomitu**, E. Coca, “*A simple method for measuring and sorting RF coils based on the inductance and quality factor*”, in proc of the 38th

International Spring Seminar on Electronics Technology (ISSE 2015), vol., no., pp. 532-535, 6-10 May 2015, Eger, Hungary, doi: 10.1109/ISSE.2015.7248058; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

25. C. Rotariu, R. G. Bozomitu, V. Cehan, A. Păsărică, H. Costin, “*A wireless sensor network for remote monitoring of bioimpedance*”, in proc. of the 38th International Spring Seminar on Electronics Technology (ISSE 2015), vol., no., pp. 487-490, 6-10 May 2015, Eger, Hungary, doi: 10.1109/ISSE.2015.7248046; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

26. **Radu Gabriel Bozomitu**, Vlad Cehan, Robert Gabriel Lupu, Cristian Rotariu, Constantin Barabaşa, “*A new technique for improving pupil detection algorithm*”, in proc. of the *International Symposium on Signals, Circuits and Systems (ISSCS), 2015*, vol., no., pp. 1-4, 9-10 July 2015, Iaşi, Romania, Print ISBN: 978-1-4673-7487-3; doi: 10.1109/ISSCS.2015.7203973; URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7203973&isnumber=7203913>; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

27. A. Păsărică, C. Rotariu, **R. G. Bozomitu**, O. D. Eva, “*Dynamic of couplings between fetal heart rate and uterine contractions*”, in proc. of the *International Symposium on Signals, Circuits and Systems (ISSCS), 2015*, vol., no., pp. 1-4, 9-10 July 2015, Iaşi, Romania, Print ISBN: 978-1-4673-7487-3; doi: 10.1109/ISSCS.2015.7203968; URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7203968&isnumber=7203913>; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

28. A. Păsărică, **R. G. Bozomitu**, V. Cehan, R. G. Lupu, C. Rotariu, “*Pupil Detection Algorithms for Eye Tracking Applications*”, in proc. of the *21st International Symposium for Design and Technology in Electronic Packaging (SIITME 2015)*, pp. 161 – 164, 22 – 25 October, 2015, Braşov, Romania; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

29. Vlad Cehan, **Radu Gabriel Bozomitu**, E. Coca, “*Method of Measuring and Sorting Coils Using a Frequency Synthesizer*”, in proc. of the *21st International Symposium for Design and Technology in Electronic Packaging (SIITME 2015)*, pp. 217 – 220, 22 – 25 October, 2015, Braşov, Romania; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

30. **Radu Gabriel Bozomitu**, Alexandru Păsărică, Vlad Cehan, Robert Gabriel Lupu, Cristian Rotariu, Eugen Coca, “*Implementation of Eye-tracking System Based on Circular Hough Transform Algorithm*”, in proc. of the *5th IEEE International Conference on E-Health and Bioengineering - EHB 2015*, “Grigore T. Popa” University of Medicine and Pharmacy, Iaşi, Romania, November 19-21, 2015; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

31. Robert Gabriel Lupu, **Radu Gabriel Bozomitu**, Lucian Niţă, Andrei Romila, Alexandru Păsărică, Dragoş Arotăriţei, Cristian Rotariu, “*Medical Professional End-Device Applications on Android for Interacting with Neuromotor Disabled Patients*”, in proc. of the *5th IEEE International Conference on E-Health and Bioengineering – (EHB 2015)*, “Grigore T. Popa” University of Medicine and Pharmacy, Iaşi, Romania, November 19-21, 2015; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

32. Lucian Niţă, **Radu Gabriel Bozomitu**, Robert Gabriel Lupu, Alexandru Păsărică, Cristian Rotariu, “*Assistive Communication System for Patients with Severe Neuromotor Disabilities*”, in proc. of the *5th IEEE International Conference on E-Health and Bioengineering – (EHB 2015)*, “Grigore T. Popa” University of Medicine and Pharmacy,

Iași, Romania, November 19-21, 2015; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

33. A. Popa, N. D. Alexandru, **R. G. Bozomitu**, “2-PPM CMOS Modulator for IR-UWB Signals”, *IEEE 11th International Conference on Communications (COMM 2016)*, Bucharest, June 9-11, 2016, pp. 353-356, ISBN 978-1-4673-8197-0/16, IEEE; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

34. A. Păsărică, **R. G. Bozomitu**, O. D. Eva, D. Tărniceriu, C. Rotariu, “Analysis of Different Threshold Selection Methods for Eye Image Segmentation used in Eye Tracking Applications”, *The 13th International Conference on DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016)*, Suceava, Romania, May 19-21, 2016, pp. 299 – 302; doi: 10.1109/DAAS.2016.7492591; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

35. **Radu Gabriel Bozomitu**, Alexandru Păsărică, Vlad Cehan, Cristian Rotariu, Eugen Coca, “Eye Pupil Detection Using the Least Squares Technique”, in proc. of the 39th International Spring Seminar on Electronics Technology (ISSE 2016), ISSN: 2161-2064, 18 – 22 May, 2016, pp. 439-442, Pilsen, Czech Republic; DOI: 10.1109/ISSE.2016.7563236; **Indexare ISI/BDI: ISI Web of Knowledge, IEEEExplore**; Factor de impact = 0.25;

Lucrări la conferințe internaționale BDI (IEEEExplore, SCOPUS, Engineering Village, Google Scholar) (13)

1. **Radu Gabriel Bozomitu**, Vlad Cehan, Constantin Barabașa, “A VLSI Implementation of a 3Gb/s LVDS Transceiver in CMOS Technology”, in Proc. of the 15th International Symposium for Design and Technology of Electronic Packages, SIITME 2009, ISBN 978-1-4244-5132-6, pp. 69-74, September 17-20, Gyula, Hungary, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

2. Constantin Barabașa, **Radu Gabriel Bozomitu**, Vlad Cehan, “Application of Short Range Radio Devices in Communication Systems for Patients with Severe Neuro-Locomotor Disabilities”, in Proc. of the 15th International Symposium for Design and Technology of Electronic Packages, SIITME 2009, ISBN 978-1-4244-5132-6, pp. 251-255, September 17-20, Gyula, Hungary, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

3. **Radu Gabriel Bozomitu**, Vlad Cehan, „A VLSI Implementation of a CMOS Clock Recovery Circuit Based on Edge Detection”, in Proc. Of the 33rd International Spring Seminar on Electronics Technology, ISSE 2010, ISBN 978-1-4244-7849-1, pp. 284 - 289, 12-16 May 2010, Warsaw, Poland, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

4. **Radu Gabriel Bozomitu**, Vlad Cehan, Constantin Barabașa, “A New VLSI Implementation of a CMOS Frequency Synthesizer for SRD Applications”, in Proc. of the 16th International Symposium for Design and Technology of Electronic Packages, SIITME 2010, ISBN 978-1-4244-8123-1, pp. 181 - 186, September 23-26, 2010, Pitești, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

5. Vlad Cehan, **Radu Gabriel Bozomitu**, Constantin Barabașa, “Interactive communication system with patients with disabilities - The software component”, in Proc. of the 16th International Symposium for Design and Technology of Electronic Packages, SIITME 2010, ISBN 978-1-4244-8123-1, pp. 323-326, September 23-26, 2010, Pitești, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

6. V. Cehan, D. A. Cehan, **R. G. Bozomitu**, R. Lupu, “A new system for communication with disabled people”, in Proc. of the Digital Cities Symposium, ERA-6 Conference, 23-24 September 2011, Athens, Greece, **BDI: Google Scholar**;

7. **Radu Gabriel Bozomitu**, Constantin Barabaşa, Vlad Cehan, Robert Gabriel Lupu, “The Hardware Component of the Technology Used to Communicate with People with Major Neuro-Locomotor Disability Using Ocular Electromyogram”, in Proceedings of SIITME 2011, pp. 193 - 196, 20 – 23 Oct. 2011, Timișoara, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

8. Dana Anca Cehan, Robert Lupu, Vlad Cehan, **Radu Gabriel Bozomitu**, “Keyword Data Base Used in Communication System with Disabled People”, in Proceedings of SIITME 2011, pp. 365-368, 20 – 23 Oct. 2011, Timișoara, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

9. Robert Gabriel Lupu, **Radu Gabriel Bozomitu**, Florina Ungureanu, Vlad Cehan, “Eye Tracking Based Communication System for Patient with Major Neuro-locomotor Disabilities”, in Proc. of the 15th International Conference System Theory, Control, and Computing (ICSTCC 2011), ISBN 978-973-621-322-9, pp. 318-322, 14-16 Oct. 2011, Sinaia, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

10. Robert Gabriel Lupu, Florina Ungureanu, **Radu Gabriel Bozomitu**, “Mobile Embedded System for Human Computer Communication in Assistive Technology”, in Proc. of the Intelligent Computer Communication and Processing, (ICCP 2012), IEEE International Conference, ISBN 978-1-4673-2951-4, pp. 209-212, Aug. 30, 2012 - Sept. 1, 2012, Cluj-Napoca, Romania, **BDI: IEEEExplore, SCOPUS, Engineering Village**;

11. Robert Gabriel Lupu, Florina Ungureanu, **Radu Gabriel Bozomitu**, Vlad Cehan, “Eye tracking performance improvement”, in proc. of the 18th International Conference on System Theory, Control and Computing (ICSTCC 2014), vol., no., pp. 698-701, 17-19 Oct. 2014, Sinaia, Romania, doi: 10.1109/ICSTCC.2014.6982499; **BDI: IEEEExplore**;

12. A. Păsărică, **R. G. Bozomitu**, V. Cehan and C. Rotariu, “Eye Blinking Detection to Perform Selection for an Eye Tracking System Used in Assistive Technology”, in proc. of the IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME 2016), 20th–23rd, October 2016, Oradea, Romania; **BDI: IEEEExplore (ISI Proc.)**;

13. C. Rotariu, **R. G. Bozomitu**, Al. Păsărică, C. Cristea, and D. Arotaritei, “Continuous Respiratory Monitoring Device for Detection of Sleep Apnea Episodes”, in proc. of the IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME 2016), 20th–23rd, October 2016, Oradea, Romania; **BDI: IEEEExplore (ISI Proc.)**;

G. Lucrări științifice publicate în reviste din străinătate (1)

1. **Radu Gabriel Bozomitu**, “A New G_m -C Active Filter with Auto-Tuning Loop Based on PLL Architecture in CMOS Technology”, Journal of Electrical and Control Engineering, JECE, Vol. 2, Iss. 3, pp. 1-6, 2012, World Academic Publishing;

H. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS (7)

1. Romeo Ghinea, **Radu Gabriel Bozomitu** and Liviu Goraș, “On the Design of the Kerwin-Huelsman-Newcomb Biquad I. Stability Conditions for the KHN Nonideal

Integrators Biquad”, Buletinul Institutului Politehnic din Iași, ISSN 0258-9109, Tomul XLVII (LI), Fasc. 1-2, pp. 65 – 77, 2001, Secția Electrotehnică, Energetică, Electronică (BDI: B+, Copernicus);

2. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A VLSI Implementation of a New Low Voltage 4th Order Differential G_m -C Band-pass Filters for Different Approximation in CMOS Technology*”, Acta Technica Napocensis, *Electronica-Telecomunicații*, ISSN 1221-6542, Volumul 50, Nr. 3, pp. 5-12, Technical University of Cluj-Napoca, Mediamira Science Publisher, 2009 (BDI: B+, Copernicus);

3. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A VLSI Implementation of a New Low Voltage 5th Order Differential G_m -C Bessel Type Low-pass Filter with Constant- G_m Biasing in CMOS Technology*”, Acta Technica Napocensis, *Electronica-Telecomunicații*, ISSN 1221-6542, Volumul 50, Nr. 3, pp. 44 – 51, Technical University of Cluj-Napoca, Mediamira Science Publisher, 2009 (BDI: B+, Copernicus);

4. **Radu Gabriel Bozomitu**, Vlad Cehan, “*VLSI Implementation of CMOS Low Power Fully Differential Phase-Locked Loop*”, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Ed. Politehnum, ISSN 0258-9109, Tomul LV (LIX), Fasc. 3, pp. 97-110, 2009, Secția Electrotehnică, Energetică, Electronică (BDI: B+, Copernicus);

5. Claudiu-Dumitru Nechifor, **Radu Gabriel Bozomitu**, “*A CMOS Bandgap References with Transconductor Cells*”, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Ed. Politehnum, ISSN 0258-9109, Tomul LV (LIX), Fasc. 4, pp. 19-30, 2009, Secția Electrotehnică, Energetică, Electronică (BDI: B+, Copernicus);

6. **Radu Gabriel Bozomitu**, “*On the Synthesis of the Mapped State Space Active Filters*”, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Ed. Politehnum, ISSN 0258-9109, Tomul LV (LIX), Fasc. 4, pp. 51-63, 2009, Secția Electrotehnică, Energetică, Electronică (BDI: B+, Copernicus);

7. Vlad Cehan, **Radu Gabriel Bozomitu**, “*Do We Need New Paradigms in Engineering Education?*”, Buletinul Institutului Politehnic din Iași, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași, Ed. Politehnum, ISSN 1011-2855, Tomul LV (LIX), Fasc. 2, pp. 7 – 13, 2009, Secția Socio-Umane (BDI: B+, Copernicus);

I. Lucrări științifice publicate în volumele conferințelor (31)

1. Vlad Cehan, N. D. Alexandru, **Radu Gabriel Bozomitu**, Abdallah Al-Sliahat, “*On Data Transmission Using AM Radio Transmitters with Frequency Modulation of the Carrier*”, Development and Application Systems (D&AS), published by “Ștefan cel Mare” University, Faculty of Electrical Engineering, Suceava, ISSN 1222-7234, No. 10, pp.17-20, 1998;

2. Vlad Cehan, **Radu Gabriel Bozomitu**, “*Design of Transmission Line Transformers*”, in Proc. of The 4th International Symposium for Informatics and Technology in Electronic Modules Domain, Part II, ISBN 973-0-00692-X, pp. 220-223, Bucharest, September 22-24, 1998;

3. Romeo Ghinea, **Radu Gabriel Bozomitu**, Liviu Goraș, “*On the Stability of Active Filters*”, First IEEE Balkan Conference on Signal Processing, Communications, Circuits and Systems, Maslak, Istanbul, Turkey, June 2-3, 2000;

4. **Radu Gabriel Bozomitu**, Vlad Cehan, Romeo Ghinea, Liviu Goraș, “*Analysis of the Stability of KHN Biquad Created by Integrators in OPAMP, OTA and ORA Topologies*”, European Conference on Intelligent Systems & Romanian Symposium on Computer Science, ISBN 973-95156-1-4, Iași, September 25-27, 2000;

5. **Radu Gabriel Bozomitu**, Vlad Cehan, Tecla Goraș, “*A Tunable G_m -C Filter with Enhancement of Linearity*”, in Proc. of The 7th International Symposium for Design and Technology of Electronic Modules, ISBN 973-0-02385-9, pp. 72-76, Bucharest, September 20-23, 2001;

6. **Radu Gabriel Bozomitu**, Vlad Cehan, “*OTA with Output Signal DC Level Independent of Polarization*”, in Proc. of The 7th International Symposium for Design and Technology of Electronic Modules, ISBN 973-0-02385-9, pp. 113-117, Bucharest, September 20-23, 2001;

7. Vlad Cehan, **Radu Gabriel Bozomitu**, Tecla Goraș, “*Using Bipolar Transistor as a Controlled Resistor*”, in Proc. of The 7th International Symposium for Design and Technology of Electronic Modules, ISBN 973-0-02385-9, pp. 77-82, Bucharest, September 20-23, 2001;

8. **Radu Gabriel Bozomitu**, Vlad Cehan, Liviu Goraș, “*Design of Band-pass Active Filter in CMOS Technology Using the Low-pass Prototype*”, in Proc. of The 6th International Conference on Development and Application Systems DAS 2002, ISBN 973-98670-9-X, pp. 200-205, Suceava, May 23-25, 2002;

9. **Radu Gabriel Bozomitu**, Vlad Cehan, Liviu Goraș, “*A New Technique to Improve the Linearity of “Sinh” Transconductor*”, in Proc. of The 8th International Symposium for Design and Technology of Electronic Modules, ISBN 973-9357-13-X, pp. 29-33, Cluj-Napoca, September 19-22, 2002;

10. **Radu Gabriel Bozomitu**, Vlad Cehan, Liviu Goraș, “*Noise Behavior of Current-Mode and Voltage-Mode G_m -C FLF Structures*”, in Proc. of The 9th International Symposium for Design and Technology of Electronic Packaging, ISBN 973-96592-6-8, pp. 161-165, Timișoara, September 18-21, 2003;

11. **Radu Gabriel Bozomitu**, Liviu Goraș, “*Implementing „Tanh” and „Sinh” Nonlinear Transconductors in Bipolar Technology*”, Intelligent Systems (Selected papers from ECIT 2004), Ed. PERFORMANTICA, Iași, 2004, ISBN 973-7994-85-X, pp. 269-285;

12. **Radu Gabriel Bozomitu**, Vlad Cehan, Liviu Goraș, “*The Implementing of Nonlinear Mathematical Functions using Log-domain Circuits*”, in Proc. of The 7th International Conference on Development and Application Systems DAS 2004, ISBN 973-666-106-7, pp. 131-136, Suceava, May 27-29, 2004;

13. **Radu Gabriel Bozomitu**, Liviu Goraș, Vlad Cehan, “*Linear G_m -C FLF Filters with CCII Transconductors*”, in Proc. of International Conference Communications 2004, Vol. 2, ISBN 973-640-035-2, pp. 491-496, Bucharest, June 3-5, 2004;

14. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Circuit Solution to Implement of a Second Order Log-domain ELIN Band-pass Active Filter*”, in Proc. of The 10th International Symposium for Design and Technology of Electronic Packages, ISBN 973-9463-83-5, pp. 114-118, Bucharest, September 23-26, 2004;

15. Cristian Ionașcu, Dănuț Burdia, Bogdan Dimitriu, **Radu Gabriel Bozomitu**, “*A 1.8/3.3V CMOS Low Power Output Pad*”, in Proc. of The 10th International Symposium for Design and Technology of Electronic Packages, ISBN 973-9463-83-5, pp. 133-136, Bucharest, September 23-26, 2004;

16. **Radu Gabriel Bozomitu**, Daniela Ionescu, Vlad Cehan, “*Improvement of Gilbert Cell’s Dynamic Range by Predistortion of Input Signals*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging, ISBN 973-713-063-4, pp. 41-45, Cluj-Napoca, Romania, September 22-25, 2005;
17. Daniela Ionescu, **Radu Gabriel Bozomitu**, Vlad Cehan, “*Study of the Superficial Currents Distributions in the Proximity of Field Modeling Structures, in Microwave Range*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging, ISBN 973-713-063-4, pp. 9-13, Cluj-Napoca, Romania, September 22-25, 2005;
18. Daniela Ionescu, Nicolae Dumitru Alexandru, **Radu Gabriel Bozomitu**, “*The Influence of Metallized Drills on the Effective Permittivity Resonances of Some PCB Samples*”, in Proc. of the Second European Conference on the Use of Modern Information and Communication Technologies – ECUMICT 2006, ISBN 9-08082-552-2, pp. 205-216, Gent, Belgium, March 30-31, 2006;
19. Traian Bontaș, **Radu Gabriel Bozomitu**, “*Transfer Coefficients Determination for a Multiple Transmission Channels Formed System*”, in Proc. of the 6th International Conference Communications 2006, ISBN (10) 973-718-479-3, ISBN (13) 978-973-718-479-5, pp. 41-44, Bucharest, Romania, June 8-10, 2006;
20. **Radu Gabriel Bozomitu**, Iulian Cherecheș, Traian Bontaș, “*A New Low Voltage Fully Differential Line Driver for High-Speed Data Transmissions*”, in Proc. of The 8th International Conference on Development and Application Systems (DAS 2006), ISBN (10) 973-666-194-6, ISBN (13) 978-973-666-194-5, pp. 169-176, Suceava, May 25-27, 2006;
21. Daniela Ionescu, **Radu Gabriel Bozomitu**, “*Material Study in 7.8 - 12.4 GHz Frequency Domain of a Divalent Liquid Crystal*”, in Proc. of The 8th International Conference on Development and Application Systems (DAS 2006), ISBN (10) 973-666-194-6, ISBN (13) 978-973-666-194-5, pp. 263-269, Suceava, May 25-27, 2006;
22. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A New Fully Balanced Differential OTA with Common-Mode Feedback Detector*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2006, ISBN 978-973-8961-23-4, pp. 178-182, Iași, Romania, September 21-24, 2006;
23. Daniela Ionescu, **Radu Gabriel Bozomitu**, „*Electrical Properties Analysis for a Liquid Crystal Class of Materials*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2006, ISBN 978-973-8961-23-4, pp. 220-223, Iași, Romania, September 21-24, 2006;
24. **Radu Gabriel Bozomitu**, Daniela Ionescu, “*A New Pseudo-Differential Operational Transconductance Amplifier*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2006, ISBN 978-973-8961-23-4, pp. 257-261, Iași, Romania, September 21-24, 2006;
25. **Radu Gabriel Bozomitu**, Daniela Ionescu, „*A Method to Implement Layout Versus Schematic Check in Integrated Circuits Design Programs*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2007, ISSN 1843-5122, pp. 46-50, Baia Mare, Romania, September 20-23, 2007;
26. Vlad Cehan, **Radu Gabriel Bozomitu**, Maricel Popa, „*Using Radio Communications in a System for Communicating with Severely Neuro-Locomotor Disabled People*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2007, ISSN 1843-5122, pp. 60-64, Baia Mare, Romania, September 20-23, 2007;

27. **Radu Gabriel Bozomitu**, Iulian Cherecheș, “*A Bipolar Implementation Of Second Order Current Mode Elin Filters With Instantaneous “Arcsinh” Compadding*”, in Proc. of the 7th International Conference - COMMUNICATIONS 2008, organized by the Military Technical Academy, University Politehnica of Bucharest, Electronica 2000 Foundation, and the IEEE Romanian Section in Bucharest, ISBN 978-606-521-008-0, pp. 37-40, June 5-7, 2008, Bucharest, Romania;

28. **Radu Gabriel Bozomitu**, Vlad Cehan, “*A VLSI Implementation of a CMOS Fully Differential Clock Recovery Circuit*”, in Proc. of the 14th International Symposium for Design and Technology of Electronic Packages, SIITME 2008, ISSN 1843-5122, pp. 106-110, September 18-21, Predeal, Romania;

29. Iulian Cherecheș, **Radu Gabriel Bozomitu**, “*A New Method to Calculate the Pospieszalski Model Noise Parameters for a HEMT Transistor*”, in Proc. of the 14th International Symposium for Design and Technology of Electronic Packages, SIITME 2008, ISSN 1843-5122, pp. 101-105, September 18-21, Predeal, Romania;

30. A. Cehan, I. Radinschi, V. Cehan, **R. G. Bozomitu**, “*Interactive system for assisting the educational process of students with special requirements*”, in Vol. 3 of “*Research, Reflections and Innovations in Integrating ICT in Education*”, pp. 1358 – 1360, Zurbaran 1, 2^a Planta, Oficina 1, 06002 Budajoz, Spain, BA-224-2009 (Book contains a compilation of paper presented at the V International Conference on Multimedia and Information & Communication Technologies in Education – m-ICTE2009, Lisbon, Portugal), ISBN of Collection: 978-84-692-1788-7, ISBN Vol. 3: 978-84-692-1791-7; www.formatex.org/micte2009/book/1358-1360.pdf;

31. Constantin Barabașa, Vlad Cehan, **Radu Gabriel Bozomitu**, “*Application of Short Range Radio Devices in Biological Signal Monitoring*”, in Advancements of Medical Bioengineering and Informatics, “Gr. T. Popa” University of Medicine and Pharmacy Publishing House, Iași, 2009 (Proc. of the second edition of the International Conference **E-health and Bioengineering - EHB 2009**, September 17-18, Constanța 2009), ISSN 2066-7590, pp. 128-131;

J. Invenții.

K. Contracte de cercetare (13)

1. *Sistem integrat de asistare pentru comunicare și telemonitorizare destinat persoanelor cu handicap neurolocomotor sever, SIACT*

Director: Radu Gabriel Bozomitu

Grant național multianual PN2, tip PCCA

Cod contract: PN-II-PT-PCCA-2013-4-0761, nr. 21/2014

Finanțator: MEC - UEFISCDI, 2014 – 2017

Buget total proiect SIACT: Buget stat = **725000lei**; Cofinanțare = **112500lei**;

Buget total TUIASI-CO: **282500 lei**;

Etapa I, TUIASI-CO, 2014: **42422 lei**;

Etapa II, TUIASI-CO, 2015: **80002 lei**;

Etapa III, TUIASI-CO, 2016: **101352 lei**;

<http://telecom.etc.tuiasi.ro/telecom/staff/rbozomitu/SIACT/>

2. *Sistem integrat de asistare pentru pacienții cu afecțiuni neuromotorii severe, ASISTSYS*

Director: Radu Gabriel Bozomitu

Grant național multianual PNCDI2 Parteneriate, nr. cont.12122/01.10.2008

Finanțator: MECI - UEFISCDI, 2008 – 2011

Buget total proiect ASISTSYS: **910203,13 lei**

Buget total TUIASI-CO: **317554.13 lei**

Etapele I-II, TUIASI-CO, 2009: **34567 lei**; Etapa III, TUIASI-CO, 2010: **150613 lei**; Etapa IV, TUIASI-CO, 2011: **132374,13 lei**;

<http://telecom.etc.tuiasi.ro/telecom/staff/rbozomitu/asistsys/>

3. *Sistem informatic pentru controlul și verificarea autenticității produselor – ATPROD*

Colab. la Contractul PNCDI2 Parteneriate nr. 12-082/2008, Univ. „Ștefan cel Mare”, Suceava

Responsabil partener TUIASI: Prof. dr. ing. Vlad Cehan, membru în echipă **R. G. Bozomitu**

Finanțator: MECI - UEFISCDI, 2008 - 2011

Buget total TUIASI: **68.078 lei**;

Etapa I, TUIASI, 2009: 20.000 lei;

Etapa II, TUIASI, 2010: 22.671 lei;

Etapa III, TUIASI, 2011: 25.407 lei;

4. *Sistem integrat de telemonitorizare în timp real a pacienților și persoanelor în vârstă – TELEMOM*

Colab. la Contractul PNCDI2 Parteneriate nr. 11-067/2007, Univ. de Medicină și Farmacie „Grigore T. Popa” Iași

Responsabil partener TUIASI: Prof. dr. ing. Vlad Cehan, membru în echipă **R. G. Bozomitu**

Finanțator: MECI - UEFISCDI, 2007 - 2009

Buget total TUIASI: **244.966 lei**;

Etapa I, TUIASI, 2007: 20.000 lei;

Etapa II, TUIASI, 2008: 148.751 lei;

Etapa III, TUIASI, 2009: 76.215 lei;

5. *Sistem de comunicare cu persoane cu handicap neuro-locomotor major – TELPROT*

Grant 69 CEEEX – 03/2006, C.N.M.P.

Director: Prof. dr. ing. Vlad Cehan, membru în echipă **R. G. Bozomitu**

Finanțator: MECI – C.N.M.P., 2006 – 2008

Buget total TUIASI: **545.140 lei**;

Etapa I, TUIASI, 2006: 160.000 lei;

Etapa II, TUIASI, 2007: 125.140 lei;

Etapa III, TUIASI, 2008: 260.000 lei;

6. *Convertoare electronice de putere cu conținut redus al armonicilor și curenți sinusoidali la ieșire*

Grant CEEEX 1450/2006, UEFISCDI

Director: Șef lucr. dr. ing. I. V. Pletea, membru în echipă **R. G. Bozomitu**

Finanțator: MECI - UEFISCDI, 2006 – 2008;

Buget total TUIASI: **110.000 lei**;

Etapa I, TUIASI, 2006: 50.000 lei;

Etapa II, TUIASI, 2007: 50.000 lei;

Etapa III, TUIASI, 2008: 10.000 lei;

7. *Integrarea aplicațiilor inovative RFID într-o platformă WEB B2B pentru rețelele de aprovizionare ale întreprinderilor – RASMEN*

Colab. 6CEEEX, Nr. 3517 P/20.10.2005, Univ. „Ștefan cel Mare”, Suceava

Responsabil TUIASI: Prof. dr. ing. Vlad Cehan, membru în echipă **R. G. Bozomitu**

Finanțator: MECI, 2005 – 2007
Buget total TUIASI: **295.000 lei**;
Etapa I, TUIASI, 2005: 25.000 lei;
Etapa II, TUIASI, 2006: 250.000 lei;
Etapa III, TUIASI, 2007: 20.000 lei;

8. *Prelucrarea imaginilor folosind rețele neuronale celulare cu aplicații în extragerea de trăsături și recunoașterea formelor*

PROGRAM multi-anual

Director TUIASI: Prof. dr. ing. Liviu Goraș, membru echipă **R. G. Bozomitu**

Finanțator: CNCSIS, 2004-2006

Buget total TUIASI: **39.000 lei**;

TUIASI, 2004: GR. CNCSIS 33371/2004 – tema 24: 12.000 lei;

TUIASI, 2005, GR. CNCSIS A. Ad. 34664/2005 – tema 29: 13.000 lei;

TUIASI, 2006, A1/GR.164/2006 – tema 38: 14.000 lei;

9. *Sistem de telecomandă și control a întrerupătorilor din stațiile de transformare din rețeaua electrică de distribuție pe medie tensiune (STMT)*

Contract nr. 2497/2003, colab. la RELANSIN, Contract nr. 1733/2003 cu S.C. „Tehnoton” SA ROR

Director TUIASI: Conf. dr. ing. ec. Dumitru Nedelcu, membru echipă **R. G. Bozomitu**

Finanțator: MECI, 2003 – 2005

Buget total TUIASI: **55.442,8 lei**;

Etapa I, TUIASI, 2003: 21.784,9 lei;

Etapa II, TUIASI, 2004: 15.236,9 lei;

Etapa III, TUIASI, 2005: 18.421 lei;

10. *Cercetări multidisciplinare în domeniul tehnologiilor informaționale bazate pe algoritmi genetici, rețele neuronale și sisteme fuzzy pentru inginerie și management*

Program CERES, PN-CD, nr. 29/2002, Institutul de Fizică Atomică București

Director: Prof. dr. ing. Octav Brudaru, membru echipă **R. G. Bozomitu**

Finanțator: MECI, 2002-2004

Buget total TUIASI: **126.371 lei**;

Etapa I, TUIASI, 2002: 3.955 lei;

Etapa II, TUIASI, 2003: 68.749 lei;

Etapa III, TUIASI, 2004: 53.667 lei;

11. *Cercetări privind transmisia simultană de date și audio folosind radioemițătoare de radiodifuziune cu modulație de amplitudine*

Grant ANSTI/CNCSIS

Director: Prof. dr. ing. Vlad Cehan, membru echipă **R. G. Bozomitu**

Finanțator: CNCSIS, 2000-2002

Buget total TUIASI: **7.310 lei**;

TUIASI, 2000, Grant 6177/2000, Tema B13, MEC ANSTI: 3.000 lei;

TUIASI, 2001, Aa. 1/2001, Tema A13, MEC ANSTI: 4.310 lei;

TUIASI, 2002, Cod. 113, Tema 78, MEC CNCSIS: 5.000 lei;

12. *Proiectarea filtrelor monolitice de înaltă frecvență comandate, cu modul de lucru în curent, folosind metoda spațiului parametrilor*

PROIECT tip „A”

Director: Prof. dr. ing. Liviu Goraș, membru echipă **R. G. Bozomitu**

Finanțator: CNCSIS, 2001-2003

Buget total TUIASI: **14.320 lei**;

TUIASI, 2001, GR. 35259/2001, Cod 251, Tema 23, MEC CNCSIS: 4.590 lei;

TUIASI, 2002, Cod 387, Tema 13: 4.600 lei;

TUIASI, 2003, GR. 33557/2003, Tema 23, cod CNCSIS 319, MECT: 5.130 lei;

13. Metode noi de prelucrare a semnalelor, algoritmi, arhitecturi și implementare PROGRAM multi-anual, CNCSIS

Director: Prof. dr. ing. Liviu Goraș, membru echipă **R. G. Bozomitu**

Finanțator: CNCSIS, 2000-2001.

Total: 94 lucrări științifice și 13 contracte de cercetare (2 contracte ca director)

L. Premii, distincții.

1. distincția „**CUM LAUDE**” pentru teza de doctorat

„*Contribuții la studiul și implementarea filtrelor active pentru radiofrecvență*”, sub îndrumarea D-lui Prof. Dr. Ing. Liviu Goraș, care a fost susținută public la data de 25.10.2004;

2. premiul „**Excellent Poster Award**” pentru lucrarea

Radu Gabriel Bozomitu, Daniela Ionescu, Vlad Cehan, “*Improvement of Gilbert Cell’s Dynamic Range by Predistortion of Input Signals*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging, ISBN 973-713-063-4, pp. 41-45, Cluj-Napoca, Romania, September 22-25, 2005;

3. premiul „**Best Poster Award**” pentru lucrarea

Radu Gabriel Bozomitu, Daniela Ionescu, “*A New Pseudo-Differential Operational Transconductance Amplifier*”, in Proc. of International Symposium for Design and Technology of Electronic Packaging – SIITME 2006, ISBN 978-973-8961-23-4, pp. 257-261, Iași, Romania, September 21-24, 2006;

4. premiul „**Excellent Poster Award**” pentru lucrarea

Radu Gabriel Bozomitu, Vlad Cehan, “*A VLSI Implementation of a CMOS Fully Differential Clock Recovery Circuit*”, in Proc. of the 14th International Symposium for Design and Technology of Electronic Packages, SIITME 2008, ISSN 1843-5122, pp. 106-110, September 18-21, Predeal, Romania;

5. premiul „**Best Poster Award**” pentru lucrarea

Radu Gabriel Bozomitu, Vlad Cehan, “*Second Order G_m -C Filters Implementation Using a New Type of Transconductor Cell Based on “Multi-sinh” Doublet*”, in Proc. of the 32nd International Spring Seminar on Electronics Technology, Hetero System Integration, the path to New Solutions in the Modern Electronics, ISSE 2009, ISBN 978-80-214-3874-3, pp. 228 – 229, May 13 – 17, 2009, Brno, Czech Republic.

M. Alte realizări semnificative.

- **74 de citări** (31 de articole citate), astfel: **18** în reviste cotate ISI, **11** în conferințe internaționale „ISI Proceedings”, **6** în cărți (ed. CNCSIS), **2** în patente internaționale, **7** în reviste B+, **8** în reviste BDI, **11** în lucrări publicate la conferințe internaționale BDI, **2** în teze de doctorat BDI, **8** în teze de masterat BDI, **1** în lucrări de diploma BDI.

- **Membru în “Steering Committee”** al Conferinței Internaționale ISSE:

- The IEEE 39th International Spring Seminar on Electronics Technology, ISSE 2016, May 18 – 22, 2016, Pilsen, Czech Republic; (**ISI Web of Knowledge**)
- The IEEE 38th International Spring Seminar on Electronics Technology, ISSE 2015, May 6 – 10, 2015, Eger, Hungary; (**ISI Web of Knowledge**)

- **Membru în Comitetul Științific și Comitetul de Publicare** al Conferinței Internaționale SIITME:

- The IEEE 22nd International Symposium for Design and Technology of Electronic Packages (SIITME 2016), 20 – 23 Oct. 2016, Oradea, Romania; (**ISI Web of Knowledge**)
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7777304>
- The IEEE 21st International Symposium for Design and Technology of Electronic Packages (SIITME 2015), 22 – 25 Oct. 2015, Brașov, Romania; (**ISI Web of Knowledge**)
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7342286>
- The IEEE 20th International Symposium for Design and Technology in Electronic Packaging (SIITME 2014), 23 – 26 Oct. 2014, Bucharest, Romania; (**ISI Web of Knowledge**)
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6966984>
- The IEEE 19th International Symposium for Design and Technology in Electronic Packaging (SIITME 2013), 24 – 27 Oct. 2013, Galați, Romania; (**ISI Web of Knowledge**)
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6743635>

- **Membru în Comitetul Științific** al Conferinței internaționale EHB

- The 5th IEEE International Conference on E-Health and Bioengineering - EHB 2015, “Grigore T. Popa” University of Medicine and Pharmacy, Iași, Romania, November 19-21, 2015; (**ISI Web of Knowledge**)

- **Organizator al workshop-ului**

- „Assistive technologies for people with disabilities” - EHB 2015, Iași, Romania, November 19-21, 2015; <http://www.ehbconference.ro/Workshops.aspx>;

- **Membru în comitetul de organizare al**

- International Symposium on Signals, Circuits and Systems (**SCS 2003**), organized by Faculty of Electronics and Telecommunications “Gheorghe Asachi” Technical University Iași and IEEE Romania Section CAS Chapter, July 10 – 11, 2003, Iași, Romania (**ISI Web of Knowledge**)
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5731291>

- **Membru în Comitetul de Redacție al**

- The 18th edition of the International Symposium for Design and Technology of Electronic Packages (**SIITME 2012**), organized by Universitatea “1 Decembrie 1918” Alba Iulia, The Faculty of Sciences, Department of Exact and Engineering Sciences and “Politehnica” University of Bucharest, Technological Electronics and Interconnections Techniques Research Center, UPB-CETTI, Romania, 25 – 28 Oct. 2012, Alba Iulia, Romania; **BDI: IEEEExplore**,
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6384410>

- Membru în Comitetul de Redacție al

- The 17th edition of the International Symposium for Design and Technology of Electronic Packages (**SIITME 2011**), organized by Politehnica University of Timișoara, Faculty of Electronics and Telecommunications, UPB-CETTI (Technological Electronics and Interconnections Techniques Research Center), “Politehnica” University of Bucharest, Romania, October 20 – 23, Timișoara, Romania; **BDI: IEEEExplore, SCOPUS, Engineering Village**
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6102639>

- Membru în Comitetul de Redacție al

- The 16th edition of the International Symposium for Design and Technology of Electronic Packages (**SIITME 2010**), organized by Faculty of Electronics, communications and computers, University of Pitești, UPB-CETTI (Technological Electronics and Interconnections Techniques Research Center), “Politehnica” University of Bucharest, Romania, September 23 – 26, Pitești, Romania; **BDI: IEEEExplore, SCOPUS, Engineering Village**
<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5651728>

- Membru în comitetul de organizare și redacție (editor) al

- The 12th edition of the International Symposium for Design and Technology of Electronic Packages (**SIITME 2006**), organized by Faculty of Electronics and Telecommunications “Gheorghe Asachi” Technical University of Iași, Romania, CETTI (Center for Technological Electronics and Interconnections Technique), “Politehnica” University of Bucharest, Romania, September 21 – 24, Iași, Romania;

- Membru în “Steering Committee” al al Concursului profesional studentesc internațional „Tehnici de Interconectare în Electronică” (TIE)

- Ediția a 25-a, Suceava, 20 – 23 aprilie, 2016;

Stagii de pregătire profesionale:

[1] 1998 – 1999 – stagii de pregătire pentru studenți în domeniul realizării de PCB-uri cu ajutorul programului CADSTAR, în vederea participării acestora la Concursul studentesc „Tehnici de interconectare în electronică” (TIE) organizat de „Centrul de Electronică Tehnologică și Tehnici de Interconectare” (CETTI) de pe lângă Universitatea Politehnica București. În urma celor două participări s-au obținut în total trei atestate „Trainings – Zertifikat CADSTAR”, oferite de CETTI – „Official Redac Training Center”.

[2] May – July 2000 (3 months): ERASMUS-SOCRATES scholarship – “Ecole Nationale Supérieure de L’électronique et de Ses Applications” (ENSEA), 6 avenue du Ponceau, 95014 Cergy-Pontoise Cedex, France, in EMO (RF and microwave) department led by Prof. Jean-Luc Gautier; Research Project: „Implementation des filters actifs pour les radio-frequences”, for doctoral thesis preparation.

[3] December 14 – 18, 2003: Euro Training courses “Train-the-Trainers Action, Sponsored by EC for Trainers of the NAS/ACC Countries”, Faculty of Electronics and Telecommunications, Technical University of Cluj-Napoca; Course “Design Techniques and Tools for Low-Power Digital Systems”, held by Prof. Enrico Macii, PhD, Politecnico di Torino, Dip. di Automatica e Informatica, 10129 Torino, Italia, organized by Eurotraining and Technical University of Budapest.

„Reviewer” la următoarele conferințe internaționale, reviste și competiții:

- SCS 2003;
- International Symposium on Signals, Circuits and Systems (ISSCS 2005), organized by Faculty of Electronics and Telecommunications “Gheorghe Asachi” Technical University Iași and IEEE Romania Section CAS Chapter, July 14 – 15, 2005, Iași, Romania;
- International Symposium on Signals, Circuits and Systems (ISSCS 2007), organized by Faculty of Electronics and Telecommunications “Gheorghe Asachi” Technical University Iași and IEEE Romania Section CAS Chapter, July 12 – 13, 2007, Iași, Romania;
- International Symposium on Signals, Circuits and Systems (ISSCS 2009), organized by Faculty of Electronics, Telecommunications and Information Technology, “Gheorghe Asachi” Technical University Iași and IEEE Romania Section CAS Chapter, July 9 – 10, 2009, Iași, Romania;
- International Symposium on Signals, Circuits and Systems (ISSCS 2015), organized by Faculty of Electronics, Telecommunications and Information Technology, “Gheorghe Asachi” Technical University Iași and IEEE Romania Section CAS Chapter, July 9 – 10, 2015, Iași, Romania;
- International Spring Seminar on Electronics Technology (ISSE), editions 2015, 2016;
- International Symposium for Design and Technology of Electronic Packages (SIITME), editions 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016;
- International Conference E-health and Bioengineering (EHB 2015), Nov. 19 – 21, 2015, Iași, Romania;
- *“Circuits, Systems, and Signal Processing”*, Birkhäuser, ISSN: 0278-081X(Print), 1531-5878(Online);
- *“International Journal of Electronics”*, Taylor & Francis, ISSN: 0020-7217 (Print), 1362-3060 (Online);
- Reviewer in competition “RUTE 2014”, organized by UEFISCDI, 1 evaluated project, 2015;
- Reviewer in competition “BRIDGE GRANT, 2016”, organized by UEFISCDI, 1 evaluated project, 2016.

10.01.2017

Conf. dr. ing. Radu Gabriel Bozomitu