

Lăcrimioara Grama - Publications

Signal Processing Group
Faculty of Electronics, Telecommunications and Information Technology
Technical University of Cluj-Napoca
G. Barițiu 26-28, 400027, Cluj-Napoca, ROMANIA,
Email: Lacrimioara.Grama@bel.utcluj.ro



PhD Thesis

- [1] **Lăcrimioara Grama**, "Researches Regarding Phase Approximation from Frequency Response Gain Samples (Cercetări privind aproximarea fazei din eşantioanele câştigului răspunsului la frecvență)," PhD Thesis, Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology, Cluj-Napoca, Romania, May 14 **2009**, (PhD in Electronics Engineering and Telecommunications).

Books and manuals

- [1] **Lăcrimioara Grama**, *Digital signal processing - laboratory guide*. Cluj-Napoca, România: U.T.PRESS, **2014**, ISBN: 978-973-662-967-9, 223p; http://www.sp.utcluj.ro/PNS/Laboratory/DSP1g_2014.pdf.
- [2] **Lăcrimioara Grama**, *Prelucrarea numerică a semnalelor - îndrumător de laborator*. Cluj-Napoca, România: U.T.PRESS, **2014**, ISBN: 978-973-662-968-6, 223p; http://www.sp.utcluj.ro/PNS/Laboratory/PNSil_2014.pdf.
- [3] C. Rusu, **Lăcrimioara Grama**, *Lecture Notes in Digital Signal Processing*. Cluj-Napoca, Romania: Risoprint, **2009**, ISBN: 978-973-53-0091-3, 151p; http://www.sp.utcluj.ro/PNS/Lecture/LNDSP_CRusu_LGrama_2009.pdf.
- [4] **Lăcrimioara Grama**, C. Rusu, *Prelucrarea numerică a semnalelor - aplicații și probleme*. Cluj-Napoca, Romania: U.T.PRESS, **2008**, ISBN: 978-973-662-387-5, 172p.
- [5] **Lăcrimioara Grama**, A. Grama, C. Rusu, *Filtre numerice - aplicații și probleme*. Cluj-Napoca, Romania: U.T.PRESS, **2008**, ISBN: 978-973-662-388-2, 250p.
- [6] **Lăcrimioara Grama**, A. Grama, *Înregistrări și prelucrări optice*. Cluj-Napoca, Romania: Risoprint, **2005**, ISBN: 973-656-901-2, 170p.

Articles in ISI peer-reviewed journals

- [1] **Lăcrimioara Grama**, A. Dişcant, "Kramers-Kronig Relationship Computation by Gaussian Quadrature," *International Journal of Computers, Communications and Control*, vol. 1, no. Supplement, pp. 239–244, June **2006**, ISSN: 1841-9836, WOS: 000203014800039; http://journal.univagora.ro/?page=article_details&id=192.
- [2] A. Grama and **Lăcrimioara Grama**, "DDFS's Mathematical Approach Designing Considerations," *International Journal of Computers, Communications and Control*, vol. 1, no. Supplement, pp. 233–238, June **2006**, ISSN: 1841-9836, WOS: 000203014800038; http://journal.univagora.ro/?page=article_details&id=191.

Papers in signal processing and circuits conferences – ISI proceedings

- [1] C. Rusu, **Lăcrimioara Grama**, J. Astola, "On Some Properties of Positive Trigonometric Polynomials Related to One-Dimensional Discrete Phase Retrieval Problem," *12th International Symposium on Electronics and Telecommunications (ISETC)*, pp. 289-292, Oct. 27-28, **2016**, Timișoara, Romania, Electronic ISBN: 978-1-5090-3748-3, DOI: 10.1109/ISETC.2016.7781114, WOS: 000390717800065; <http://ieeexplore.ieee.org/document/7781114/>.
- [2] **Lăcrimioara Grama**, C. Rusu, *Lecture Notes in Computer Science - Computer Aided Systems Theory - EUROCAST 2015*. Berlin / Heidelberg, Germany: Springer-Verlag, Dec. 17, **2015**, vol. 9520, ch. The Quantization Effect on Audio Signals for Wildlife Intruder Detection Systems, pp. 655-662, ISBN: 978-3-319-27340-2, DOI: 10.1007/978-3-319-27340-2_81; http://link.springer.com/chapter/10.1007%2F978-3-319-27340-2_81.
- [3] C. Rusu, **Lăcrimioara Grama**, "Spectrograms, Sparsograms and Spectral Signatures for Wildlife Intruder Detection," (invited paper) *8th International Conference on Speech Technology and Human-Computer Dialogue (SpeD)*, pp. 1-4, October 14-17, **2015**, Bucharest, Romania; DOI: 10.1109/SPED.2015.7343103; WOS: 000376681700024; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7343103>.
- [4] **Lăcrimioara Grama**, C. Rusu, G. Oltean, Laura Ivanciu, "Quantization Effects on Audio Signals for Detecting Intruders in Wild Areas Using TESPAS S-Matrix and Artificial Neural Networks," *8th International Conference on Speech Technology and Human-Computer Dialogue (SpeD)*, pp. 1-8, October 14-17, **2015**, Bucharest, Romania; DOI: 10.1109/SPED.2015.7343079; WOS: 000376681700006; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7343079>.
- [5] G. Oltean, **Lăcrimioara Grama**, Laura Ivanciu, C. Rusu, "Alarming Events Detection Based on Audio Signals Recognition," *8th International Conference on Speech Technology and Human-Computer Dialogue (SpeD)*, pp. 1-8, October 14-17, **2015**, Bucharest, Romania; DOI: 10.1109/SPED.2015.7343106; WOS: 000376681700027; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7343106>.
- [6] **Lăcrimioara Grama**, C. Rusu, "About quantization of audio signals for wildlife intruder detection systems," *22nd European Conference on Circuit Theory and Design (ECCTD)*, pp. 328-331, August 24-26, **2015**, Trondheim, Norway; DOI: 10.1109/ECCTD.2015.7300036; WOS: 000380498200018; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7300036>.

- [7] A. Lodin, **Lăcrimioara Grama**, C. Rusu, J. Takala, "Systematic method to convert of analog filters to digital filters," *2013 IEEE Workshop on Signal Processing Systems (SiPS)*, pp. 189-194, October 16-18, **2013**, Taipei, Taiwan, ISSN: 2162-3562, DOI: 10.1109/SiPS.2013.6674503; WOS: 000332832800033; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6674503>.
- [8] **Lăcrimioara Grama**, A. Lodin, C. Rusu, J. Takala, "Method to convert analog filters to digital filters," *2013 8th International Symposium on Image and Signal Processing and Analysis (ISPA)*, pp. 438-443, September 4-6, **2013**, Trieste, Italy, ISBN: 978-953-184-194-8, DOI: 10.1109/ISPA.2013.6703781; WOS: 000349789200078; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6703781>.
- [9] **Lăcrimioara Grama**, M. Sîrbu, "Several Phase Approximations from Gain Samples The Linear Frequency Domain," *9th International Conference on Communications (COMM)*, pp. 39-42, ISBN: 978-1-4673-2573-8, June 21-23, **2012**, Bucharest, Romania; DOI: 10.1109/IC-Comm.2012.6262595; WOS: 000307808200008; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6262595>.
- [10] M. Sîrbu, **Lăcrimioara Grama**, "Location of WLAN Devices Based on OFDM Signals Time Synchronization," *9th International Conference on Communications (COMM)*, pp. 251-254, ISBN: 978-1-4673-2573-8, June 21-23, **2012**, Bucharest, Romania; DOI: 10.1109/IC-Comm.2012.6262588; WOS: 000307808200058; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6262588>
- [11] C. Rusu, **Lăcrimioara Grama**, J. Takala, "A SPICE Method for Designing Digital Filters from Analog Filters," *9th International Symposium on Electronics and Telecommunications (ISETC)*, pp. 407-410, Nov. 11-12, **2010**, Timișoara, Romania, ISBN: 978-1-4244-8458-4; DOI: 10.1109/ISETC.2010.5679306; WOS: 000296356700088; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5679306>.
- [12] C. Rusu, **Lăcrimioara Grama**, J. Takala, *Lecture Notes in Computer Science - Computer Aided Systems Theory - EUROCAST 2009*. Berlin / Heidelberg, Germany: Springer-Verlag, **2009**, vol. 5717, ch. SPICE Simulation of Analog Filters: A Method for Designing Digital Filters, pp. 534-539, ISBN: 978-3-642-04772-5, DOI: 10.1007/978-3-642-04772-5_69; WOS: 000273999000068; http://link.springer.com/chapter/10.1007/978-3-642-04772-5_69.
- [13] A. Grama, D. Petreuş, P. Borza, **Lăcrimioara Grama**, "Experimental Determination of Equivalent Series Resistance of a Supercapacitor," *32nd International Spring Seminar on Electronics Technology (ISSE)*, pp. 1-4, May 13-17, **2009**, Brno, Czech Republic, ISBN: 978-1-4244-4260-7; DOI: 10.1109/ISSE.2009.5207057; WOS: 000277445500019; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5207057>.
- [14] **Lăcrimioara Grama**, C. Rusu, "Divide-and-Conquer Piecewise Linear Fitting of Gain for Phase Approximation," *Joint IEEE North-East Workshop on Circuits and Systems/TAISA Conference (NEWCAS-TAISA 2009)*, pp. 1-4, June 28-July 1, **2009**, Toulouse, France, ISBN: 978-1-4244-4573-8; DOI: 10.1109/NEWCAS.2009.5290491; WOS: 000275234500059; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5290491>.
- [15] A. Grama, **Lăcrimioara Grama**, D. Petreuş, C. Rusu, "Supercapacitor Modelling Using Experimental Measurements," *International Symposium on Signals, Circuits and Systems (ISSCS)*, pp. 1-4, July 9-10, **2009**, Iași, Romania, ISBN: 978-1-4244-3784-9; DOI: 10.1109/ISSCS.2009.5206168; WOS: 000275854200140; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5206168>.

- [16] **Lăcrimioara Grama**, C. Rusu, "Phase Approximation by Divide-and-Conquer Piecewise Linear Fitting of Gain," *International Symposium on Signals, Circuits and Systems (ISSCS)*, pp. 1-4, July 9-10, **2009**, Iași, Romania, ISBN: 978-1-4244-3784-9; DOI: 10.1109/ISSCS.2009.5206103; WOS: 000275854200075; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=5206103>.
- [17] C. Rusu, **Lăcrimioara Grama**, "Gain-Phase Relationships Evaluation by Gaussian Quadrature," *International Conference on Signals and Electronic Systems (ICSES)*, pp. 23-26, Sept. 14-17, **2008**, Cracow, Poland, ISBN: 978-83-88309-47-2; DOI: 10.1109/ICSES.2008.4673347; WOS: 000265166600005; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4673347>.
- [18] **Lăcrimioara Buzan**, C. Rusu, R.C. Bilcu and P. Kuosmanen, "Phase approximation in Linear and Logarithmic Frequency Domain," *1st IEEE International Symposium on Control, Communications and Signal Processing (ISCCSP)*, pp. 709-712, March 21-24, **2004**, Hammamet, Tunisia, ISBN: 0-7803-8379-6; DOI: 10.1109/ISCCSP.2004.1296510; WOS: 000221478300175; <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=1296510>.

Papers in signal processing and circuits conferences – indexed in international databases

- [1] **Lăcrimioara Grama**, Elena Roxana Buhus, C. Rusu, "Acoustic Classification using Linear Predictive Coding for Wildlife Detection Systems," *13th International Symposium on Signals, Circuits and Systems (ISSCS)*, pp. 1-4, July 13-14, **2017**, Iasi, Romania, DOI: 10.1109/ISSCS.2017.8034944; <http://ieeexplore.ieee.org/document/8034944/>.
- [2] **Lăcrimioara Grama**, C. Rusu, "Audio signal classification using Linear Predictive Coding and Random Forests," *9th International Conference on Speech Technology and Human-Computer Dialogue (SpeD)*, pp. 1-9, July 6-9, **2017**, Bucharest, Romania, DOI: 10.1109/SPED.2017.7990431; <http://ieeexplore.ieee.org/document/77990431/>.
- [3] Elena Roxana Buhuş, **Lăcrimioara Grama**, C. Rusu, "Several classifiers for intruder detection applications," *9th International Conference on Speech Technology and Human-Computer Dialogue (SpeD)*, pp. 1-6, July 6-9, **2017**, Bucharest, Romania, DOI: 10.1109/SPED.2017.7990432; <http://ieeexplore.ieee.org/document/7990432/>.
- [4] **Lăcrimioara Grama**, Liana Tuns, C. Rusu, "On the optimization of SVM kernel parameters for improving audio classification accuracy," *14th International Conference on Engineering of Modern Electric Systems (EMES)*, pp. 224-227, June 1-2, **2017**, Oradea, Romania, DOI: 10.1109/EMES.2017.7980420; <http://ieeexplore.ieee.org/document/7980420/>.
- [5] A. Grama, O. Pop, A. Tăut, **Lăcrimioara Grama**, "Application of microwave in food preservation," *14th International Spring Seminar on Electronics Technology (ISSE)*, pp. 1-4, May 10-14, **2017**, Sofia, Bulgaria, DOI: 10.1109/ISSE.2017.8000960; <http://ieeexplore.ieee.org/document/8000960/>.
- [6] **Lăcrimioara Grama**, Adriana Chiş, "Kramers-Kronig Computations in Logarithmic Frequency Domain," *Proceeding of Signal Processing and Applied Mathematics for Electronics and Communications (SPAMEC)*, pp. 69-72, August 26-28, **2011**, Cluj-Napoca, Romania (EURASIP); http://www.urasip.org/Proceedings/Ext/SPAMEC2011/papers/SPAMEC_2011_IV_3.pdf.

- [7] **Lăcrimioara Grama**, "Phase Approximation from Gain Samples: The Logarithmic Frequency Domain A Comparison," *Proceeding of Signal Processing and Applied Mathematics for Electronics and Communications (SPAMEC)*, pp. 55-56, August 26-28, **2011**, Cluj-Napoca, Romania (EURASIP); http://www.urasip.org/Proceedings/Ext/SPAMEC2011/papers/SPAMEC_2011_III_4.pdf.
- [8] **Lăcrimioara Grama**, C. Rusu, "Hilbert Transform by Divide-and-Conquer Piecewise Linear Approximation," *20th European Conference on Circuit Theory and Design (ECCTD)*, pp. 389-392, August 29-31, **2011**, Linkoping, Sweden, ISBN: 978-1-4577-0616-5; DOI: 10.1109/ECCTD.2011.6043368 (IEEE); <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6043368>.

Articles in international journals

- [1] O. Pop, **Lăcrimioara Grama**, C. Rusu, "Fourfold Microphones Area For Acoustic Source Localization," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 58, no. 3, pp. 16-21, **2017**, ISSN: 1221-6542; http://users.utcluj.ro/~atn/papers/ATN_3_2017_4.pdf.
- [2] **Lăcrimioara Grama**, A. Lodin, C. Rusu, "About Converting Active Analog Filters To Digital Filters," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 57, no. 4, pp. 36-39, **2016**, ISSN: 1221-6542; http://users.utcluj.ro/~atn/papers/ATN_4_2016_7.pdf.
- [3] **Lăcrimioara Grama**, A. Lodin, C. Rusu, "About Analog Filter Netlist to Digital Filter Statements Approach," *Carpathian Journal of Electronic and Computer Engineering*, vol. 9, no. 1, pp. 30-33, **2016**, ISSN: 1844-9689; <http://cjece.ubm.ro/vol19-2016/1611.11-9106.pdf>.
- [4] Dalia Danilescu, A. Lodin, **Lăcrimioara Grama**, C. Rusu, "Road Anomalies Detection Using Basic Morphological Algorithms," *Carpathian Journal of Electronic and Computer Engineering*, vol. 8, no. 2, pp. 15-18, **2015**, ISSN: 1844-9689; <http://cjece.ubm.ro/vol18-2015/n2/1509.09-8203.pdf>.
- [5] **Lăcrimioara Grama**, C. Rusu, "Averaged Binary Sparsogram for Wildlife Intruder Detection," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 56, no. 3, pp. 42-47, **2015**, ISSN: 1221-6542; <http://search.proquest.com/docview/1719260362?pq-origsite=gscholar>.
- [6] P. E. Băru, E. Băru, **Lăcrimioara Grama**, M. Roman, "Aspects Regarding the Dynamic Risk in the Field of Risk Analysis for Electronic Medical Devices," *Acta Electrotehnica*, vol. 56, no. 1-2, pp. 90-93, **2015**, ISSN: 23445637; http://ie.utcluj.ro/files/acta/2015/Number1-2/paper15_Baru.pdf.
- [7] **Lăcrimioara Grama**, C. Rusu, "Modified Bode Functions," *Carpathian Journal of Electronic and Computer Engineering*, vol. 3, no. 1, pp. 32-35, **2010**, ISSN: 1844-9689; <http://ece.ubm.ro/cjece/vol3.html>.
- [8] **Lăcrimioara Grama**, C. Rusu, "Divide-and-Conquer Piecewise Linear Approximation of Gain and Phase Evaluation," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 50, no. 1, pp. 7-14, **2009**, ISSN: 1221-6542; http://users.utcluj.ro/~atn/papers/ATN_1_2009_2.pdf.
- [9] C. Rusu, Laura Kovacs, **Lăcrimioara Grama**, "From Analog Filters to Digital Filters through Spice," *Carpathian Journal of Electronic and Computer Engineering*, vol. 2, no. 1, pp. 13-16, **2009**, ISSN: 1844-9689; <http://ece.ubm.ro/cjece/vol2.html>.

- [10] C. Rusu, S. Cadar, S. Corbu, **Lăcrimioara Grama**, M. Sîrbu, "Design of an Intelligent System for Monitoring and Assisting of Neoplazic Patients," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 49, no. 4, pp. 42-45, **2008**, ISSN: 1221-6542; http://users.utcluj.ro/~atn/papers/ATN_4_2008_10.pdf.
- [11] C. Rus, **Lăcrimioara Grama**, A. Duşleag, C. Rusu, "Phase Unwrapping Algorithms Implemented on a Symbian based Mobile Device," *Acta Technica Napocensis - Electronics and Telecommunications*, vol. 49, no. 2, pp. 11-17, **2008**, ISSN: 1221-6542; http://users.utcluj.ro/~atn/papers/ATN_2_2008_3.pdf.
- [12] **Lăcrimioara Grama**, "Phase Approximation Using Signals Affected by Random Perturbations," *Scientific Bulletin of the Politehnica University of Timișoara - Transactions on Electronics and Communications*, vol. 49(63), no. 2, pp. 96-101, October **2004**, ISSN: 1583-3380; http://www.tc.etc.upt.ro/bulletin/pdf/2004vol49_63no2.pdf.

Articles in CNCSIS category D journals

- [1] Claudia Cocioran, Ioana Rusu, **Lăcrimioara Grama**, "Intruders Detection in Wild Areas – Birds and Chainsaws," *Novice Insights in Electronics, Communications and Information Technology*, no. 16, pp. 37-44, **2015**, ISSN: 1842-6085; http://www.bel.utcluj.ro/novice/archive/Continutul%20numarului%2016_2015/P191_Cocioran_final.pdf.
- [2] Alina Şipoş, **Lăcrimioara Grama**, "Simulation of an Acoustic SONAR Communication Channel," *Novice Insights in Electronics, Communications and Information Technology*, no. 15, pp. 56-63, **2014**, ISSN: 1842-6085; http://www.bel.utcluj.ro/novice/archive/Continutul%20numarului%2015_2014/P183_Sipos_final.pdf.
- [3] L. Todor, V. Zoicaş, **Lăcrimioara Grama**, C. Rusu, "The SPG (Signal Processing Group) Sound Database," *Novice Insights in Electronics, Communications and Information Technology*, no. 15, pp. 70-73, **2014**, ISSN: 1842-6085; http://www.bel.utcluj.ro/novice/archive/Continutul%20numarului%2015_2014/P185_Todor_final.pdf.
- [4] M.C. Popescu, **Lăcrimioara Grama**, "Design and Simulation of a Communication Protocol for Wireless Sensor Networks to Optimize Energy Consumption and Network Lifetime," *Novice Insights in Electronics, Communications and Information Technology*, no. 13, pp. 54-63, **2013**, ISSN: 1842-6085; http://www.bel.utcluj.ro/novice/archive/Continutul%20numarului%2013_2012/P165_Popescu.pdf.
- [5] C. Rusu, Cătălina Băluţ, **Lăcrimioara Grama**, "Aliniere de secvenţe genomice," *Buletinul Societăţii Naţionale de Biologie Celulară*, no. 36, p. 33, **2008**, ISSN: 1584-5532.
- [6] **Lăcrimioara Grama**, "Report on 2007 Workshop on Recent Trends in Signal Processing (RTSP 2007)," *Novice Insights in Electronics, Communications and Information Technology*, no. 2, pp. 39-41, **2007**, ISSN: 1842-6085.

Papers published in referred conference proceedings

- [1] **Lăcrimioara Grama**, C. Rusu, "The Quantization Effect on Audio Signals for Wildlife Intruder Detection Systems," *15th International Conference on Computer Aided Systems Theory (EUROCAST) - extended abstract book*, Las Palmas de Gran Canaria, Spain, February 8-13, **2015**, pp. 205-206; https://dl.dropboxusercontent.com/u/4169746/Extended_Abstract_Book.pdf.

- [2] M. Popescu, **Lăcrimioara Grama**, C. Rusu, M. Sîrbu, "Communication Protocol for Wireless Sensor Networks for Energy Consumption Optimization," *Workshop on Circuits, Systems and Information Technology (WCSIT)*, July 3-4, **2014**, Iași, Romania, ISBN: 978-4-88552-286-4 C3855 (IEICE); <http://i-scover.ieice.org/proceedings/WCSIT/2014/pdf/A4.pdf>.
- [3] **Lăcrimioara Grama**, "Phase Approximation from Gain Corrupted Data in Linear Frequency Domain," *10th International Carpathian Control Conference (ICCC)*, Zakopane, Poland, May 24-26, **2009**, pp. 55-58, ISBN: 83-89772-51-5.
- [4] **Lăcrimioara Grama**, "Logarithmic Gain Altered Data and Phase Computation," *10th International Carpathian Control Conference (ICCC)*, Zakopane, Poland, May 24-26, **2009**, pp. 313-316, ISBN: 83-89772-51-5.
- [5] C. Rusu, **Lăcrimioara Grama**, J. Takala "SPICE Simulation of Analog Filters: A Method for Designing Digital Filters," *12th International Conference on Computer Aided Systems Theory (EUROCAST) - extended abstract book*, Las Palmas de Gran Canaria, Spain, February 15-20, **2009**, pp. 179-180, ISBN: 978-84-691-5502-5.
- [6] A. Grama, **Lăcrimioara Grama**, "Different Implementations for Frequency Synthesis," *International Symposium for Design and Technology of Electronic Packaging (SIITME)*, Baia-Mare, Romania, September 20-23, **2007**, pp. 102-105, ISSN: 1843-5122.
- [7] **Lăcrimioara Grama**, A. Grama, "Linear and Logarithmic Sampling of Gain to Approximate the Phase of Signals," *International Symposium for Design and Technology of Electronic Packaging (SIITME)*, Baia-Mare, Romania, September 20-23, **2007**, pp. 106-110, ISSN: 1843-5122.
- [8] **Lăcrimioara Grama**, C. Rusu, A. Grama, "Hilbert Transform Computation by Gaussian Quadrature," *6th International Conference Communications (COMM)*, Bucharest, Romania, June 8-10, **2006**, pp. 53-56, ISBN: 73-718-479-3, 973-718-479-5.
- [9] **Lăcrimioara Grama**, "A Simple Illustration of Tabu Search," *International Workshop of Collaborative Support Systems in Business and Education*, Cluj-Napoca, Romania, October 28-29, **2005**, pp. 130-137, ISBN: 973-651-008-9.
- [10] **Lăcrimioara Grama**, G. Muntean, A. Grama, "Self Oscillating IIR Filter to Generate Sine Waveform Signal," *International Symposium for Design and Technology of Electronic Packaging (SIITME)*, Cluj-Napoca, Romania, September, **2005**, pp. 186-190, ISBN: 973-713-063-4.
- [11] G. Muntean, A. Grama, **Lăcrimioara Grama**, "Biomedical Applications of the NTC Thermistor," *International Symposium for Design and Technology of Electronic Packaging (SIITME)*, Cluj-Napoca, Romania, September **2005**, pp. 132-136, ISBN: 973-713-063-4.
- [12] A. Grama, **Lăcrimioara Grama**, G. Muntean, "FPGA's Capabilities to Generate Arbitrary Functions," *International Symposium for Design and Technology of Electronic Packaging (SIITME)*, Cluj-Napoca, Romania, September **2005**, pp. 137-140, ISBN: 973-713-063-4.
- [13] **Lăcrimioara Grama**, A. Grama, "Scurt istoric al amprentelor digitale," *Verificatori biometrici - Workshop cu participare interbațională*, Cluj-Napoca, Romania, May 26-27, **2005**, pp. 217-222, ISBN: 973-656-918-7.
- [14] **Lăcrimioara Buzan**, "Phase Approximation in Linear and Logarithmic Frequency Domain," *Central and East European Conference in Business Information Systems*, Cluj-Napoca, Romania, May 20-22, **2004**, pp. 517-527, ISBN: 973-656-648-X.