

Publication List

1. List of Relevant Articles (all are in ISI foreign journals):

1. D. Belega, D. Petri, "Accuracy Analysis of the Multicycle Synchrophasor Estimator Provided by the Interpolated DFT Algorithm," *IEEE Trans. Instrum. Meas.*, vol. 62, no. 5, pp. 942-953, May, 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.223677
2. D. Belega, D. Petri, "Statistical Performance of the Effective-Number-of-Bits Estimators Provided by the Sine-Fitting Algorithms," *IEEE Trans. Instrum. Meas.*, vol. 62, no. 3, pp. 633-640, March, 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2218679
3. D. Belega, D. Petri, D. Dallet, "Noise Power Estimation by the Three-Parameter and Four-Parameter Sine-Fit Algorithms," *IEEE Trans. Instrum. Meas.*, vol. 61, no. 12, pp. 3234-3240, Dec., 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2205511
4. D. Belega, D. Dallet, D. Petri, "Accuracy of the Normalized Frequency Estimation of a Discrete-Time Sine-Wave by the Energy-Based Method," *IEEE Trans. Instrum. Meas.*, vol. 61, no. 1, pp. 111-121, Jan, 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2159318
5. D. Belega, D. Dallet, D. Petri, "Statistical Description of the Sine-Wave Frequency Estimator Provided by the Interpolated DFT Method," *Measurement*, vol. 51, no. 1, pp. 109-117, Jan., 2012, ISSN 0263-224, DOI: 10.1016/j.measurement.2011.09.010
6. D. Belega, D. Dallet, D. Petri, "A High-Performance Procedure for Effective Number of Bits Estimation in Analog-to-Digital Converters," *IEEE Trans. Instrum. Meas.*, vol. 60, no. 5, pp. 1522-1532, May 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2089151
7. D. Belega, D. Dallet, D. Petri, "Accuracy of Sine Wave Frequency Estimation by Multipoint Interpolated DFT Approach," *IEEE Trans. Instrum. Meas.*, vol. 59, no. 11, pp. 2808-2815, Nov., 2010, Nov. 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2060870
8. D. Belega, D. Dallet, "Amplitude Estimation by a Multipoint Interpolated DFT Approach," *IEEE Trans. Instrum. Meas.*, vol. 58, no. 5, pp. 1316-1323, May 2009, ISSN 0018-9456, DOI: 10.1109/TIM.2009.2012950
9. D. Belega, D. Dallet, "Multifrequency Signal Analysis by Interpolated DFT Method with Maximum Sidelobe Decay Windows," *Measurement*, vol. 42, no. 3, pp. 420-426, April 2009, ISSN 0263-2241, DOI: 10.1016/j.measurement.2008.08.006
10. D. Belega, D. Dallet, "Frequency Estimation Via Weighted Multipoint Interpolated DFT," *IET Science, Measurement & Technology*, vol. 2, no 1, pp. 1-8, 2008, ISSN 1751-8822, DOI: 10.1049/iet-smt:20070022

2. Doctoral Thesis:

Daniel Belega, "Contributions to Analog-to-Digital converters Testing," "Politehnica" University of Timișoara, PhD advisor prof. dr. ing. Mircea Ciugudean, 2001.

3. Book Chapters (foreign publishers):

1. D. Petri, D. Belega, D. Dallet, *Dynamic testing of analog-to-digital converters by means of the sine-fitting algorithms*, in the book *Design, Modeling, and Testing of Data Converters*, Springer Verlag, Germany, in press.

4. Books (Romanian publishers):

1. D. Belega, *Electrical and electronic measurements. Problems*, Politehnica of Timișoara Publishing House, 2013, 77 p., ISBN 978-606-554-672-1 (in Romanian).

2. D. Belega, C. Dughir, G. Gasparesc, *Measurement techniques, sensors and transducers. Practical applications*, Politehnica of Timișoara Publishing House, 2010, 102 p., ISBN 978-606-554-085-9 (in Romanian).

3. D. Belega, C. Dughir, R. Pazsitka, *Analog integrated circuits. Experiments and simulations*, Politehnica of Timișoara Publishing House, 2008, 75 p., ISBN 978-973-625-639-4 (in Romanian).

4. D. Belega, *Electrical and electronic measurements*, Politehnica of Timișoara Publishing House, 2005, 205 p., ISBN 973-625-242-6 (in Romanian).

5. D. Belega, *Analog-to-digital converters dynamic testing*, Politehnica of Timișoara Publishing House, 2004, 159 p., ISBN 973-625-130-6 (in Romanian).

6. D. Belega, *Applications with TMS320C5x DSK board*, Politehnica of Timișoara Publishing House, 2002, 156 p., ISBN 973-625-002-4 (in Romanian).

5. ISI Foreign Journals:

1. G. Barchi, D. Macii, D. Belega, D. Petri, "Performance of Synchrophasor Estimators in Transient Conditions: a Comparative Analysis," *IEEE Trans. Instrum. Meas.*, 2013, in press.

2. D. Belega, D. Petri, "Accuracy Analysis of the Multicycle Synchrophasor Estimator Provided by the Interpolated DFT Algorithm," *IEEE Trans. Instrum. Meas.*, vol. 62, no. 5, pp. 942-953, May, 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.223677

3. D. Belega, D. Petri, "Statistical Performance of the Effective-Number-of-Bits Estimators Provided by the Sine-Fitting Algorithms," *IEEE Trans. Instrum. Meas.*, vol. 62, no. 3, pp. 633-640, March, 2013, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2218679

4. D. Belega, "Accuracy Analysis of the Normalized Frequency Estimation of a Discrete-Time Sine-Wave by the Average-Based Interpolated DFT Method," *Measurement*, vol. 49, no. 1, pp. 593-602, Jan., 2013, ISSN 0263-2241, DOI: 10.1016/j.measurement.2012.08.019

5. D. Belega, D. Petri, D. Dallet, "Noise Power Estimation by the Three-Parameter and Four-Parameter Sine-Fit Algorithms," *IEEE Trans. Instrum. Meas.*, vol. 61, no. 12, pp. 3234-3240, Dec., 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2012.2205511

6. D. Belega, D. Petri, "Accuracy Analysis of the Amplitude Estimation of a Sine-Wave by the Energy-Based Method Using the Direct and Indirect Procedures," *Measurement*, vol. 45, no. 9, pp. 2264-2274, Nov., 2012, ISSN 0263-2241, DOI: 10.1016/j.measurement.2012.03.007

7. D. Belega, D. Dallet, D. Petri, "Accuracy of the Normalized Frequency Estimation of a Discrete-Time Sine-Wave by the Energy-Based Method," *IEEE Trans. Instrum. Meas.*, vol. 61, no. 1, pp. 111-121, Jan, 2012, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2159318
8. D. Belega, D. Dallet, D. Petri, "Statistical Description of the Sine-Wave Frequency Estimator Provided by the Interpolated DFT Method," *Measurement*, vol. 51, no. 1, pp. 109-117, Jan., 2012, ISSN 0263-224, DOI: 10.1016/j.measurement.2011.09.010
9. D. Belega, D. Dallet, D. Petri, "A High-Performance Procedure for Effective Number of Bits Estimation in Analog-to-Digital Converters," *IEEE Trans. Instrum. Meas.*, vol. 60, no. 5, pp. 1522-1532, May 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2089151
10. D. Belega, D. Dallet, D. Petri, "Accuracy of Sine Wave Frequency Estimation by Multipoint Interpolated DFT Approach," *IEEE Trans. Instrum. Meas.*, vol. 59, no. 11, pp. 2808-2815, Nov., 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2060870
11. D. Belega, D. Dallet, D. Slepicka, "Accurate Amplitude Estimation of Harmonic Components of Incoherently Sampled Signals in the Frequency Domain," *IEEE Trans. Instrum. Meas.*, vol. 59, no. 5, pp. 1158-1166, May 2010, ISSN 0018-9456, DOI: 10.1109/TIM.2010.2045144
12. D. Belega, D. Dallet, "Choice of the Acquisition Parameters for Frequency Estimation of a Sine Wave by Interpolated DFT Method," *Computer Standards & Interfaces*, vol. 31, no. 5, pp. 962-968, Sept. 2009, ISSN 0920-5489, DOI: 10.1016/j.csi.2008.09.028
13. D. Belega, D. Dallet, "Amplitude Estimation by a Multipoint Interpolated DFT Approach," *IEEE Trans. Instrum. Meas.*, vol. 58, no. 5, pp. 1316-1323, May 2009, ISSN 0018-9456, DOI: 10.1109/TIM.2009.2012950
14. D. Belega, D. Dallet, "Multifrequency Signal Analysis by Interpolated DFT Method with Maximum Sidelobe Decay Windows," *Measurement*, vol. 42, no. 3, pp. 420-426, April 2009, ISSN 0263-2241, DOI: 10.1016/j.measurement.2008.08.006
15. D. Belega, S. Zaporozhan, "Assessment of Influence of Systematic Errors on the Precision with which the Normalized Frequency of a Sinusoidal Signal is Determined by Means of a Discrete Fourier Transformation with Interpolation," *Measurement Techniques*, vol. 52, no. 2, pp. 148-154, Feb., 2009 (translated from *Izmenitel'naya Tekhnika* (Russian Federation), no. 2, pp. 26-30, Feb., 2009), ISSN 0543-1972, DOI: 10.1007/s11018-009-9239-x
16. D. Belega, D. Dallet, "Normalized Frequency Estimation for Accurate Dynamic Characterization of A/D Converters by Means of Three-Parameters Sine-Fit Algorithm," *Measurement*, vol. 41, no. 9, pp. 986-993, 2008, ISSN 0263-2241, DOI: 10.1016/j.measurement.2008.01.010
17. D. Belega, D. Dallet, "Frequency Estimation Via Weighted Multipoint Interpolated DFT," *IET Science, Measurement & Technology*, vol. 2, no 1, pp. 1-8, 2008, ISSN 1751-8822, DOI: 10.1049/iet-smt:20070022
18. D. Belega, M. Ciugudean, D. Stoiciu, "Choice of the Cosine-Class Windows for ADC Dynamic Testing by Spectral Analysis," *Measurement*, vol. 40, no. 4, pp. 361-371, 2007, ISSN 0263-2241, DOI: 10.1016/j.measurement.2006.06.016
19. D. Belega, D. Dallet, "Dynamic Testing of A/D Converters by Means of the Three-Parameter Sine-Fit Algorithm," *Measurement*, vol. 40, no. 1, pp. 1-7, 2007, ISSN 0263-2241, DOI: 10.1016/j.measurement.2006.05.013

6. ISI Romanian Journals:

1. D. Belega, D. Dallet, D. Stoiciu, "Choice of the Window Used in the Interpolated Discrete Fourier Transform Method," *Revue Roumaine des Sciences Techniques Serie Électrotechnique et Énergétique*, vol. 54, no. 4, pp. 365-374, Octobre-Décembre, 2009, ISSN 0035-4066.
2. D. Belega, "Resistance Measurement by Wheatstone Bridge Using Digital Voltmeter as Detector," *Revue Roumaine des Sciences Techniques Serie Électrotechnique et Énergétique*, vol. 53, no. 2, pp. 179-188, Avril-Juin, 2008, ISSN 0035-4066.
3. D. Belega, "The Maximum Sidelobe Decay Windows," *Revue Roumaine des Sciences Techniques Serie Électrotechnique et Énergétique*, no. 3, pp. 349-356, Juillet –Septembre, 2005, ISSN 0035-4066.
4. D. Belega, "Characteristics of the Insertion Loss of Some EMI Filters," *Revue Roumaine des Sciences Techniques Serie Électrotechnique et Énergétique*, no.1, pp. 67-80, Janvier-Mars, 2005, ISSN 0035-4066.
5. D. Belega, "Testing of ADCs by Frequency-Domain Analysis in Multi-Tone Mode," *Proceedings of the Romanian Academy, Series A*, vol. 5, no. 2, pp. 197-212, May-August, 2004, ISSN 1454-9069.
6. D. Belega, "Optimal Choice of the Windows for ADC Characterization by Spectral Analysis in Single-Tone and Dual-Tone Modes," *Revue Roumaine des Sciences Techniques Serie Électrotechnique et Énergétique*, vol. 49, no.1, pp. 75-84, Janvier-Mars, 2003, ISSN 0035-4066.
7. D. Belega, "The Influence of Noncoherent Sampling on the Measurement of the RMS Values of Sine, Square and Triangle Waves," *Revue Roumaine des Sciences Techniques Électrotechnique et Énergétique*, vol 47, no. 4, pp. 451-466, Octobre-Décembre, 2002, ISSN 0035-4066.

7. Non-ISI Foreign Journals:

1. D. Belega, D. Dallet, "Multipoint Interpolated DFT Method for Frequency Estimation," *Transactions on Systems, Signals & Devices*, vol. 15, no. 3, pp. 1-16, 2010, Shaker Verlag GmbH.
2. D. Belega, D. Stoiciu, "Polynomial Approximation of the Transfer Function of an Analog-to-Digital Converter," *Facta Universitatis, Series: Electronics and Energetics*, vol. 17, no. 3, pp. 443-453, Nis, Serbia, December, 2004, ISSN 0353-3670

8. International Conferences – selection:

1. D. Belega, D. Petri, D. Dallet, "A Low Latency and Accurate Procedure for Sine-Wave Frequency Estimation", *Proceedings of the IEEE Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, Berlin, Germany, September 12-14, to appear, 2013.
2. D. Belega, D. Dallet, D. Petri, "Modeling Sine-Wave Image Component Contribution to Discrete Spectrum," *19th Symposium IMEKO TC4*, Barcelona, Spain, July 18-19, to appear, 2013.
3. D. Belega, D. Petri, "Performance of the Synchrophasor Measurements Provided by the Weighted Least Squares Approach," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference (IMTC)*, Minneapolis, USA, May 6-9, 2013.

4. D. Belega, D. Petri, "Accuracy of the Synchrophasor Measurements Provided by the Sine-Fit Algorithms," *Proceedings of the IEEE International Energy Conference and Exhibition (ENERGYCON)*, pp. 921-926, Florence, Italy, September 9-12, 2012, ISBN 978-1-4673-1453-4, DOI: 10.1109/EnergyCon.2012.6348283
5. D. Belega, D. Petri, "Accuracy of the Synchrophasor Estimation Provided by the Interpolated DFT Method," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference (IMTC)*, pp. 2700-2705, Graz, Austria, May 13-16, 2012 ISSN 1091-5281, DOI: 10.1109/I2MTC.2012.6229682
6. D. Belega, D. Petri, D. Dallet, "An Effective Procedure for the Estimation of Harmonic Parameters of Distorted Sine-Waves," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference (IMTC)*, pp. 1429-1434, Graz, Austria, May 13-16, 2012, ISSN 1091-5281, DOI: 10.1109/I2MTC.2012.6229677
7. D. Belega, D. Petri, D. Dallet, "Effect of Spectral Interference on the Normalized Sine-Wave Frequency Estimation by the Energy-Based Method," *Proceedings of the International Symposium on Electronics and Telecommunications (ISETC)*, pp. 49-52, Timișoara, Romania, November 15-16, 2012, ISBN 978-1-4673-1177-9, DOI: 10.1109/ISETC.2012.6408121
8. D. Belega, D. Petri, "Accuracy of a DFT Phasor Estimator at Off-Nominal Frequency in Either Steady State or Transient Conditions," *Proceedings of the IEEE Conference on Smart Measurements for Future Grids (SMFG)*, pp. 45-50, Bologna, Italy, November 14-16, 2011, ISBN 978-1-4577-1313-2, DOI:10.1109/SMFG.2011.6125759
9. D. Petri, D. Belega, "Transient Behavior of the Full-Cycle DFT Phasor Estimator," *Proceedings of the IEEE Workshop on Applied Measurements for Power Systems (AMPS)*, pp. 31-36, Aachen, Germany, September 28-30, 2011, ISBN 978-1-61284-946-1, DOI: :10.1109/AMPS.2011.6090436
10. D. Belega, D. Petri, D. Dallet, "Direct and Indirect Estimation of a Sine Wave Amplitude by the Energy-Based Method," *18th Symposium IMEKO TC4*, Natal, Brazil, September 27-30, 2011, <http://www.metrologia.org.br/metrologia2011/Program.html>
11. D. Belega, D. Petri, D. Dallet, "Sine-Fitting by the Energy-Based Method in the Dynamic Testing of ADCs," *Proceedings of the IEEE Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, vol. I, pp. 33-38, Prague, Czech Republic, September 15-17, 2011, ISBN 978-1-4577-1426-9, DOI:10.1109/IDAACS.2011.6072706
12. D. Dallet, D. Petri, D. Belega, "ADCs Dynamic Testing by Multiharmonics Sine Fitting Algorithms," *CD Proceedings of the International Workshop on ADC Modelling, Testing and Data Converter Analysis and Design and IEEE ADC Forum, Orvieto, Italy, June 30 - July 1, 2011.*
13. D. Belega, D. Dallet, D. Petri, "Performance Comparison of the Three-Parameter and the Four-Parameter Sine-Fit Algorithms," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference (IMTC)*, pp. 1-4, Binjiang, Hangzhou, China, May 10-12, 2011, ISSN 1091-5281, DOI: 10.1109/IMTC.2011.5944010
14. D. Belega, D. Dallet, D. Petri, "Optimal Windows for Sine-Wave Amplitude Estimation by the Energy-Based Method," *17th Symposium IMEKO TC4, 17th Symposium IMEKO TC19 and 15th IWADC Workshop Instrumentation for the ICT Era*, Kosice, Slovakia, September 9-10, 2010.
15. D. Belega, D. Dallet, D. Petri, "Accuracy of the Sine-Wave Normalized Frequency by Interpolated DFT Method with Rectangular Window," *Proceedings of the IEEE 7th International Multi-Conference on Systems, Signals, and Devices*, pp. 1-5, Amman, Jordan, June 27-30, 2010, ISBN 978-1-4244-7532-2, DOI: 10.1109/SSD.2010.5585532

16. D. Belega, D. Dallet, D. Petri, "Estimation of the Effective Number of Bits of ADCs Using the Interpolated DFT Method," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference*, pp. 30-35, Austin, USA, May 3-6, 2010, ISSN 1091-5281, DOI: 10.1109/IMTC.2010.5488200
17. D. Belega, D. Dallet, G. Eynard, "Influence of the Noise on the Amplitude Estimation of a Sine-Wave by the Three-Point Interpolated DFT," *Proceedings of the 4th International Symposium on Communication, Control and Signal Processing (ISCCSP2010)*, pp. 1-5, Lymassol, Cyprus, March 3-5, 2010, ISBN 978-1-4244-6285-8, DOI: 10.1109/ISCCSP.2010.5463463
18. D. Belega, D. Dallet, "Efficiency of the Three-Point Interpolated DFT Method on the Normalized Frequency Estimation of a Sine-Wave," *Proceedings of the IEEE Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, pp. 2-7, Rende (Cosenza), Italy, September 21-23, 2009, ISBN 978-1-4244-4901-9, DOI: 10.1109/IDAACS.2009.5343034
19. D. Belega, D. Dallet, "Fast and Accurate Measurement of the rms Value of a Noncoherent Sampled Sine-Wave," *Proceedings of the XIX IMEKO World Congress Fundamental and Applied Metrology*, pp. 792-796, Lisbon, Portugal, September 6-11, 2009, ISBN 978-963-88410-0-1.
20. D. Belega, C. Dughir, "Acquisition Signals from Electromagnetic Field-Meters Using Digital Multimeters with Event Logging Mode," *Proceedings of the XIX IMEKO World Congress Fundamental and Applied Metrology*, pp. 2188-2191, Lisbon, Portugal, September 6-11, 2009, ISBN 978-963-88410-0-1.
21. D. Belega, D. Dallet, "Accurate Normalized Frequency Estimation by the Three-Point Interpolated DFT Method with Rectangular Window," *Proceedings of the 17th European Signal Processing Conference (EUSIPCO)*, pp. 1329-1333, Glasgow, Scotland, August 24-28, 2009, <http://www.eurasip.org/Proceedings/Eusipco/Eusipco2009/contents/Thursday-27th-August-g.html>.
22. D. Belega, D. Dallet, D. Petri, "Uncertainty Analysis of the Normalized Frequency Estimation by Multipoint Interpolated DFT Approach," *Proceedings of the IEEE Workshop on Advanced Methods for Uncertainty Estimation Measurement (AMUEM)*, pp. 34-38, Bucharest, Romania, July 6-7, 2009, ISBN 978-1-4244-3593-7, DOI: 10.1109/AMUEM.2009.5207606
23. D. Belega, D. Dallet, "Accurate ADC Dynamic Testing by Means of the Three-Parameter Sine-Fit Algorithm," *Proceedings of the 15th IEEE-International Mixed-Signals, Sensors, and Systems Test Workshop (IMS3TW)*, pp. 1-6, Scottsdale, Arizona, USA, June 10-12, 2009, ISBN 978-1-4244-4618-6, DOI:10.1109/IMS3TW.2009.5158682
24. D. Belega, D. Dallet, D. Slepíčka, "Accurate Amplitude Estimation of a Sine-Wave Harmonic Component by Frequency-Domain Approach," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference*, pp. 1315-1320, Singapore, May 5-7, 2009, ISSN 1091-5281, DOI: 10.1109/IMTC.2009.5168659
25. D. Belega, D. Dallet, "Multipoint Interpolated DFT Method for Frequency Estimation," *Proceedings of the IEEE 6th International Multi-Conference on Systems, Signals, and Devices*, pp. 1-6, Djerba-Tunisia, March 23-26, 2009, ISBN 978-1-4244-4345-1, DOI: 10.1109/SSD.2009.4956674
26. D. Belega, D. Dallet, D. Slepíčka, "Some Aspects Concerning the Amplitude Estimation of a Sine Wave by Energy-Based Method," *Proceedings of the 16th IMEKO TC-4 International Symposium "Exploring New Frontiers of Instrumentation and Methods for Electrical and Electronic Measurements"*, pp. 205-210, Florence, Italy, September 22-24, 2008, ISBN 978-88-903149-3-3.

27. D. Belega, C. Dughir, A. Ignea, "A System for Electric Field Measurement," *CD Proceedings of the 2nd IMEKO TC 19 Conference on Environment Measurements*, Budapest, Hungary, September 9-12, 2008, ISBN 978-963-9319-83-7.
28. D. Belega, D. Stoiciu, D. Dallet, "Uncertainty Analysis of the Normalized Frequency Estimation of a Sine Wave by Three-Point Interpolated DFT Method," *IEEE Workshop on Advanced Methods for Uncertainty Estimation Measurement (AMUEM)*, pp. 84-89, Sardagna, Trento, Italy, July 22-23, 2008, ISBN 978-1-4244-2236-4, DOI:10.1109/AMUEM.2008.4589940
29. D. Belega, D. Dallet, "A New Weighted Multipoint Interpolated DFT Approach for High-Accuracy Amplitude Estimation," *Proceedings of the I2MTC IEEE International Instrumentation and Measurement Technology Conference*, pp. 200-205, Vancouver Island, Canada, May 12-15, 2008, ISSN 1091-5281, DOI: 10.1109/IMTC.2008.4547031
30. D. Belega, D. Dallet, "Influence of Systematic Errors on a Sine Wave Frequency Estimation by Means of Interpolated DFT Method," *Proceedings of the 3th IEEE International Symposium on Communications, Control and Signal Processing (ISCCSP)*, pp. 1436-1439, Malta, March 12-14, 2008, ISBN 978-1-4244-1687-5, DOI:10.1109/ISCCSP.2008.4537452
31. D. Belega, "Windows for Dynamic Testing of High-Resolution A/D Converters by Means of Energy-Based Method," *Proceedings of the International Symposium on Electronics and Telecommunications (ISETC)*, pp. 110-114, Timișoara, Romania, September 25-26, 2008.
32. D. Belega, D. Dallet, "Estimation of the Multifrequency Signal Parameters by Interpolated DFT Method with Maximum Sidelobe Decay," *Proceedings of the IEEE Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, pp. 294-299, Dortmund, Germany, September 6-8, 2007, ISBN 978-1-4244-1347-8, DOI:10.1109/IDAACS.2007.4488425
33. D. Belega, D. Dallet, "Measurement of the Sinewave RMS Value in Noncoherent Sampling Mode," *Proceedings of the 15th IMEKO Symposium on Novelties in Electrical Measurements and Instrumentation*, pp. 251-257, Iasi, Romania, September 19-21, 2007, ISBN 978-973-667-261-3.
34. D. Belega, D. Dallet, "Dynamic Characterization of A/D Converters by Ramp Testing Signals," *CD Proceedings of the XVIII IMEKO World Congress, 11th Workshop on ADC Modelling and Testing*, Rio de Janeiro, Brasil, September 17-22, 2006.
35. D. Belega, D. Stoiciu, "Quality Assessment of a Square Wave as a Function of Levels Accuracy," *Proceedings of the 14th IMEKO Symposium on New Technologies in Measurement and Instrumentation and 10th Workshop on ADC Modelling and Testing*, vol. I, pp. 254-257, Gdynia/Jurata Poland, September 12-15, 2005.
36. D. Belega, D. Dallet, "A/D Converters Testing Based on Beat Frequency Method", *Proceedings of the Third IEEE Workshop on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS)*, pp. 13-17, Sofia, Bulgaria, September 5-7, 2005, ISBN 0-7803-9445-3, DOI: 10.1109/IDAACS.2005.282931
37. D. Belega, "System for Testing Analog-to-Digital Converters," *Proceedings of the 4th International Conference on Advanced A/D and D/A Conversion Techniques and Their Applications & 7th European Workshop on ADC Modelling and Testing (ADDA&EWADC), IEE and IMEKO (TC4)*, pp. 223-226, Prague, June 26-28, 2002.