

**Dr. Eng. ADAMO Francesco**

**List of publications**

**National and International Journals**

1	in press	Adamo F, De Capua C, Filianoti F, Lanzolla A M L, Morello R (in stampa). A Coastal Erosion Model to Predict Shoreline Changes . MEASUREMENT, ISSN: 0263-2241
2	in press	Adamo F, Andria G, Cavone G, De Capua C, Lanzolla A M L, Morello R, Spadavecchia M (in stampa). Estimation of ship emissions in the port of Taranto. MEASUREMENT, ISSN: 0263-2241
3	in press	Cataldo A, De Benedetto E, Cannazza G, Giaquinto N, Savino M, Adamo F., Leak detection through microwave reflectometry: from laboratory to practical implementation. MEASUREMENT, ISSN: 0263-2241
4	2013	Adamo F, Andria G, Attivissimo F, Lanzolla A M L, Spadavecchia M (2013). A comparative study on mother wavelet selection in ultrasound image denoising. MEASUREMENT, vol. 46, p. 2447-2456, ISSN: 0263-2241, doi: <a href="http://dx.doi.org/10.1016/j.measurement.2013.04.064">http://dx.doi.org/10.1016/j.measurement.2013.04.064</a>
5	2013	Attivissimo F, Adamo F, Carullo A, Lanzolla A M L, Spartino F c, Vallan A (2013). On the performance of the double-diode model in estimating the maximum power point for different photovoltaic technologies. MEASUREMENT, vol. 46, p. 3549-3559, ISSN: 0263-2241, doi: <a href="http://dx.doi.org/10.1016/j.measurement.2013.06.032">10.1016/j.measurement.2013.06.032</a>
6	2012	ADAMO F, ATTIVISSIMO F, MARRACCI M, TELLINI B (2012). Characterization of a System for Measurements on Soft Ferrites. MEASUREMENT SCIENCE & TECHNOLOGY, vol. 23, p. 1-9, ISSN: 0957-0233, doi: <a href="http://dx.doi.org/10.1088/0957-0233/23/8/085602">10.1088/0957-0233/23/8/085602</a>
7	2011	ADAMO F, ATTIVISSIMO F, DI NISIO A, SPADAVECCHIA M (2011). Characterization and Testing of a Tool for Photovoltaic Panel Modeling. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 60, p. 1613-1622, ISSN: 0018-9456, doi: <a href="http://dx.doi.org/10.1109/TIM.2011.2105051">10.1109/TIM.2011.2105051</a>
8	2010	ADAMO F, ATTIVISSIMO F, DI NISIO A (2010). Calibration of an Inspection System for Online Quality Control of Satin Glass. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 59, p. 1035-1046, ISSN: 0018-9456, doi: <a href="http://dx.doi.org/10.1109/TIM.2010.2040963">10.1109/TIM.2010.2040963</a>
9	2010	ADAMO F, ATTIVISSIMO F, FABBIANO L, GIAQUINTO N, SPADAVECCHIA M (2010). Soil moisture assessment by means of compressional and shear wave velocities: Theoretical analysis and experimental setup. MEASUREMENT, vol. 43, p. 344-352, ISSN: 0263-2241, doi: <a href="http://dx.doi.org/10.1016/j.measurement.2009.11.007">10.1016/j.measurement.2009.11.007</a>
10	2009	ATTIVISSIMO F, ADAMO F, DI NISIO A, SAVINO M (2009). A Low-cost Inspection System For Online Defects Assessment In Satin Glass. MEASUREMENT, vol. 42, p. 1304-1311, ISSN: 0263-2241, doi: <a href="http://dx.doi.org/10.1016/j.measurement.2009.05.006">10.1016/j.measurement.2009.05.006</a>

11	2009	ADAMO F, ATTIVISSIMO F, FABBIANO L, GIAQUINTO N (2009). Velocity–Moisture Relationships for Sandy Soils: Experimental Results and Data Analysis. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 58, p. 311-317, ISSN: 0018-9456, doi: 10.1109/TIM.2008.928879
12	2007	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, KALE I (2007). Frequency domain analysis for dynamic nonlinearity measurement in A/D converters. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 56, p. 760-769, ISSN: 0018-9456, doi: 10.1109/TIM.2007.894893
13	2007	ADAMO F, ATTIVISSIMO F, CAVONE G, GIAQUINTO N (2007). SCADA/HMI Systems in Advanced Educational Courses. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, p. 4-10, ISSN: 0018-9456, doi: 10.1109/TIM.2006.887216
14	2004	ADAMO F, ANDRIA G, ATTIVISSIMO F, GIAQUINTO N (2004). An Acoustic Method for Soil Moisture Measurement. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 53, p. 891-898, ISSN: 0018-9456, doi: 10.1109/TIM.2004.831126
15	2004	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, ANDRIA G (2004). Linearization of A/D Converters by dither and chebyshev polynomials. MEASUREMENT, vol. 2, p. 123-130, ISSN: 0263-2241, doi: 10.1016/j.measurement.2003.08.003
16	2004	ADAMO F, ATTIVISSIMO F, CAVONE G, GIAQUINTO N (2004). Misure di umidità nei terreni agricoli. TUTTO MISURE, p. 127-129, ISSN: 2038-6974
17	2003	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, TROTTA A (2003). A/D Converters nonlinearity measurement and correction by frequency analysis and dither. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 52, p. 1200-1205, ISSN: 0018-9456, doi: 10.1109/TIM.2003.815981
18	2002	ADAMO F, ATTIVISSIMO F, GIAQUINTO N (2002). Controllo di Sistemi ATE e di dispositivi DAQ da Mathworks MATLAB. TUTTO MISURE, ISSN: 2038-6974
19	2002	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, SAVINO M (2002). FFT test of A/D Converters to determine the integral nonlinearity. IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol. 51, p. 1050-1054, ISSN: 0018-9456, doi: 10.1109/TIM.2002.807795
20	2002	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, SAVINO M (2002). Measuring the Static Characteristic of Dithered A/D Converters. MEASUREMENT, p. 231-239, ISSN: 0263-2241

## National and International Conferences

1	2012	ADAMO F, ATTIVISSIMO F, SPADAVECCHIA M (2012). MISURE DI CORRENTE CONTACTLESS TRAMITE SENSORI GMR. In: AA.VV.. ATTI DEL XXIX CONGRESSO NAZIONALE GMEE 2012. p. 107-108, Roma:Aracne editrice S.r.l., ISBN: 978-88-548-5000-2, Monopoli, 2-5/09/2012
2	2012	Adamo F, Attivissimo F, Cavone G, Di Nisio A, Spadavecchia M (2012). PROTOTIPO PER LA MISURA DELL'ENERGIA ELETTRICA E DELLA SUA QUALITA'. In: Atti del XXIX Congresso Nazionale GMEE 2012. p. 165-166, Roma:Aracne editrice S.r.l., ISBN: 978-88-548-5000-2, Monopoli, 2-5/09/2012
3	2010	ADAMO F, ATTIVISSIMO F, SPADAVECCHIA M (2010). A tool for Photovoltaic panels modeling and testing. In: Instrumentation and Measurement Technology Conference (I2MTC), 2010 IEEE. Austin, Texas, USA, 3-6 May, 2010, p. 1463-1466, ISBN: 978-1-4244-2832-8, doi: 10.1109/IMTC.2010.5488070
4	2009	ADAMO F, ATTIVISSIMO F, DI NISIO A, SAVINO M (2009). An online defects inspection system for satin glass based on machine vision. In: Instrumentation and Measurement Technology Conference, 2009. I2MTC '09. IEEE. 5-7 May 2009, p. 288-293, doi: 10.1109/IMTC.2009.5168461
5	2008	ADAMO F, F. ATTIVISSIMO, L. FABBIANO, N. GIAQUINTO, M. SPADAVECCHIA (2008). Soil Moisture Assessment by means of MEMS tri-axial Accelerometers. In: IMTC/08. Vancouver
6	2007	ADAMO F, F. ATTIVISSIMO, G. CAVONE, A.M.L. LANZOLLA (2007). A Virtual Instrument for the Electric Power Monitoring in the Distributing Network. In: Imeko TC4 and of 12th International Workshop on ADC Modelling and Testing. Iasi
7	2007	ADAMO F, G. ANDRIA, F. ATTIVISSIMO, L. FABBIANO, N. GIAQUINTO (2007). Design and Development of a Sensor Prototype for Soil Moisture Measurement: First Experimental Results. In: IMTC/07. Varsavia
8	2006	ADAMO F, F. ATTIVISSIMO, G. CAVONE, N. GIAQUINTO, A. LANZOLLA (2006). Artificial Vision Inspection Applied to Leather Quality Control. In: IMEKO/XVIII World Congress. Rio de Janeiro
9	2006	ADAMO F, F. ATTIVISSIMO, L. FABBIANO, M. SAVINO (2006). Improvements of Seismic Sensor Design for Soil Moisture Measurement. In: IMEKO/XVIII World Congress. Rio de Janeiro
10	2006	ADAMO F, G. ANDRIA, F. ATTIVISSIMO, N. GIAQUINTO, L. FABBIANO (2006). Soil Moisture Assessment by means of Compressional and Shear Wave Velocity: a Theoretical Analysis. In: IMTC/06. Sorrento, Italy, p. 647-650

11	2005	ADAMO F, F. ATTIVISSIMO, G. CAVONE, N. GIAQUINTO (2005). SCADA/HMI Systems in Advanced Educational Courses. In: IMTC /05. Ottawa, Canada, p. 1097-1101
12	2005	ADAMO F, G. ANDRIA, F. ATTIVISSIMO, L. FABBIANO, N. GIAQUINTO (2005). Soil Moisture Measurement by using Seismic Waves. In: 14th Imeko TC4 and of 10th International Workshop on ADC Modelling and Testing. Gdynia, Polonia, p. 472-477
13	2004	ADAMO F, ANDRIA G, CAVONE G, LANZOLLA A M L (2004). A High Voltage Power Supply and Amplifier for Hall Effect Voltage/Current Transducers Characterization. In: AA.VV.. proceedings of the 21st IEEE Instrumentation and Measurement Technology Conference, 2004. IMTC 04.. vol. 1, p. 681-683, 18-20 May 2004
14	2004	ADAMO F, F. ATTIVISSIMO, N. GIAQUINTO, M. SAVINO (2004). A New Technique for Glass Quality Control. In: 13th Imeko TC4 and of 9th International Workshop on ADC Modelling and Testing. Atene, p. 181-187
15	2004	ADAMO F, F. ATTIVISSIMO, N. GIAQUINTO, I. KALE (2004). Frequency Domain Analysis for Dynamic Nonlinearity Measurement in A/D Converters. In: IMTC/04. Como, Italy, p. 1058-1063
16	2003	ADAMO F, G. ANDRIA, F. ATTIVISSIMO, N. GIAQUINTO (2003). A Study of the Moisture Effects on the Acoustic Waves. In: MEKO/XVII World Congress. Dubrovnik
17	2003	ADAMO F, ANDRIA G, ATTIVISSIMO F, GIAQUINTO N, SAVINO M (2003). An acoustic method for soil moisture measurement. In: Proceedings of the 20th International Measurement and Technology Conference (IMTC). May 2003, vol. 2, p. 952-957
18	2002	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, SAVINO M (2002). A simple distributed measurement system based on power line communications. In: Proceedings of Imeko TC4 International Congress. Zagreb, 2002
19	2002	ADAMO F, ATTIVISSIMO F, GIAQUINTO N, SAVINO M (2002). Chebychev polynomials and dither techniques for static characteristic linearization in A/D converters. In: International Workshop on ADC Modelling and Testing. Praga, Giugno 2002
20	2002	ADAMO F, ANDRIA G, ATTIVISSIMO F, GIAQUINTO N (2002). MATLAB Toolboxes for A/D converters characterization. In: Proceedings of the 4th Conference on Advanced A/D and D/A Conversion Techniques and their Applications and 7th Workshop on ADC Modelling and Testing.
21	2001	ADAMO F, F. ATTIVISSIMO, N. GIAQUINTO (2001). FFT test of A/D Converters to determine the integral nonlinearity. In: IMTC/01. budapest

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23	2000	ADAMO F, F. ATTIVISSIMO, N. GIAQUINTO (2000). Measurement of ADC integral nonlinearity via DFT. In: International Workshop on ADC Modelling and Testing. Vienna

## Books

1	2012	Adamo F, Di Nisio A, Spadavecchia M., Atti del XXIX Congresso Nazionale GMEE 2012. Di AA.VV. ROMA, Aracne Editrice, ISBN: 978-88-548-5000-2
2	2013	Adamo F., Barchi G., Macii D., Atti del XXX Congresso Nazionale GMEE 2013. Di AA.VV., Trento, ISBN 978-88-8443-496-8