



**Alexandr M. Pilipenko,**

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**Curriculum Vitae**

Alexandr Mikhailovich Pilipenko was born in Cherkessk, Russia, in 1981. He graduated from the Taganrog State University of Radio Engineering (TSURE) in 2003 with a Diploma in Radio Electronic Systems. He received the Candidate of Engineering Science degree in 2005 in the Taganrog State University of Radio Engineering.

From 2004 to 2006 he worked as an Assistant Professor at the Department of Radio Engineering & Telecommunication Systems (RETS) of TSURE. Since 2006 he is an Associate Professor of the Department of Fundamentals of Radio Engineering at the Taganrog State University of Radio Engineering.

**Research interests**

Numerical methods of the analysis of RF circuits, modeling of components of RF circuits, process control in automated systems. A.M.Pilipenko has published more than 50 papers in different scientific magazines.

**Educational disciplines**

- Circuit theory
- Practical Telephony
- Signal processing methods, noise protection
- Metrology and radio measurements
- Radio Circuits and Signals

**Publications in English**

Biryukov V.N., Pilipenko A.M., Semernik I.V., Shekhovtsova I.V. Diagnostics of differential parameters in models of field-effect transistors // Journal of Communications Technology and Electronics, 2015. Vol. 60, No. 8, pp. 928-935. URL: <http://dx.doi.org/10.1134/S1064226915070037>

Pilipenko A.M., Biryukov V.N. Modeling of MOSFETs parameters and volt-ampere characteristics in a wide temperature range for low noise amplifiers design // Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2014 – Kiev, Ukraine, 2014, pp. 156-159. URL: <http://dx.doi.org/10.1109/EWDTs.2014.7027065>

Biryukov V.N., Pilipenko A.M. An Approach to Estimate the Error of Oscillator Time-Domain Analysis // Proceedings of IEEE East-West Design and Test Symposium, EWDTs 2013 – Rostov-on-Don, Russian Federation, 2013, pp. 223-226. URL: <http://dx.doi.org/10.1109/EWDTs.2013.6673080>

Biryukov V.N., Pilipenko A.M. Diagnostics of the nonlinear static models of a diode // Journal of Communications Technology and Electronics, 2009. Vol. 54, No. 5, pp. 577-582. URL: <http://dx.doi.org/10.1134/S1064226909050118>