

VETENSKAPLIGA PUBLIKATIONER/SCIENTIFIC PUBLICATIONS 2012

Elektroniska komponenter/Electronic Devices

Journals and International Conferences

D. Zhang, A. Bhide, and A. Alvandpour, "A 53-nW 9.1-ENOB 1-kS/s SAR ADC in 0.13- μ m CMOS for Medical Implant Devices," in IEEE Journal of Solid-State Circuits, Volume 47, Issue 7, pp.1585-1593, July 2012.

J. Fritzin, C. Svensson, and A. Alvandpour, "Design and Analysis of a class-D stage with harmonic suppression," in IEEE Transactions of Circuits and Systems I: Regular papers, vol. 59, issue 6, pp. 1178-1186, June 2012.

J. Fritzin, C. Svensson, and A. Alvandpour, "Analysis of a 5.5V Class-D Stage Used in +30 dBm Outphasing RF PAs in 130nm and 65nm CMOS," in IEEE Transactions on Circuits and Systems-II: Express Briefs, vol. 59, no. 11, pp. 726-730, November 2012.

P. Landin, J. Fritzin, W. Van Moer, M. Isaksson, and A. Alvandpour, "Modeling and Digital Predistortion of Class-D Outphasing RF Power Amplifiers," in IEEE Transactions on Microwave Theory and Techniques, vol. 60, no. 6, pp. 1907-1915, June 2012.

M. Gustavsson, F. Amin, A. Björklid, A. Ehliar, C. Xu, and C. Svensson, "A high-rate energy-resolving photon-counting ASIC for Spectral Computed Tomography," in IEEE Trans. of Nuclear Science, vol. 59, issue 1, pp. 30-39, February 2012.

N. Ahsan, C. Svensson, R. Ramzan, J. Dabrowski, and C Samuelsson, "1.1 V 6.2 mW, wideband RF front-end for 0 dBm blocker tolerant receivers in 90 nm CMOS," in Analog Integrated Circuits and Signal Processing, vol. 70, Issue 1, pp. 79-90, January 2012.

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B. Mesgarzadeh, I. Söderquist, and A. Alvandpour, "Reliability Challenges in Avionics due to Silicon Aging," in proc. IEEE Intl. Symp. on Design and Diagnostics of Electronic Circuits and Systems (DDECS), pp. 342-347, April 2012.

A. Ojani, B. Mesgarzadeh, and A. Alvandpour, "A DLL-based Injection-Locked Frequency Synthesizer for WiMedia UWB," in proc. IEEE Symp. on Circuits and Systems (ISCAS), pp. 2027-2030, May 2012.

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Licentiate Thesis

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