

Curriculum Vitae of

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1. Current position

Since the 8th of September 2015 Stefano D'Amico serves as Associate Professor Professore in Electronics Elettronica) at the Dipartimento di Ingegneria dell'Innovazione, Università del Salento (Lecce, Italy).

2. Education

2002: Degree in Electrical Engineering (final mark 110/110) at the Politecnico di Bari.

2002-2005: Ph.D. in "Innovative Materials and Technologies" at the Istituto Superiore Universitario per la Formazione Interdisciplinare (ISUFI), Università del Salento.

3. Work experiences

May 2005 - Oct. 2005: Contract with the Dipartimento di Elettronica, Università di Pavia, for the design of analog baseband blocks in the framework of the FIRB project titled "Enabling Technologies for reconfigurable wireless terminals".

Oct. 2005: Contract with the Dipartimento di Ingegneria dell'Innovazione, University of Salento for cooperating in characterization of electronic devices in the framework of the PRIN project titled: "Portable systems for gas environment monitoring with A/D smart interface to optimize sensors resolution and accuracy".

Nov. 2005 - Jan. 2006: Contract with the Dipartimento di Ingegneria dell'Innovazione, Università del Salento, for the characterization of analog baseband blocks in the framework of the FIRB project titled "Enabling Technologies for reconfigurable wireless terminals".

Feb. 2006- Apr. 2006: Contract with the Dipartimento di Elettronica, Università di Pavia, for the characterization of analog baseband blocks in the framework of the FIRB project titled "Enabling Technologies for reconfigurable wireless terminals".

Jul. 2006 – Nov. 2006: Contract with the Dipartimento di Ingegneria dell'Innovazione, University of Salento for cooperating in characterization of electronic devices in the framework of the PRIN 2005 project titled: "High selectivity gas detector systems in temperature modulated regime".

Dec. 2006 – Aug. 2007: Contract (Assegno di Ricerca) with the Dipartimento di Fisica dell'Università del Salento, co-funded by the INFN and by the Dipartimento di Ingegneria dell'Innovazione dell'Università del Salento for the design of an electronic interface for drift tube.

Sept. 2007-Sept 2015: Assistant Professor in Electronics at the Dipartimento di Ingegneria dell'Innovazione, Università del Salento (Lecce, Italy).

4. Research field

Stefano D'Amico's research activity includes the design and characterization of devices and analog integrated circuits with particular attention to the base-band circuits for telecommunications.

In this field, he acquired both theoretical knowledge in the techniques of analog signal processing, and experimental expertise in the implementation and characterization of integrated circuits. A good knowledge of integrated technologies, in particular CMOS, is inherent to the previously described activities.

The research activity was placed every time in the framework of research programs funded by the Italian Ministry for University and Research (MIUR), or the Regione Puglia, or contracts with industry partners, or collaborations with Universities and research institutes. The main research activities are summarized in the following.

Stefano D'Amico has gained experience by designing and measuring more than 40 integrated circuits in CMOS technology. The publications production consists of more than 140 papers in journals and proceedings of international conferences, 4 industrial patents, 8 books chapters. Stefano D'Amico's H-index is 18, while the total number of citations is 1001 (source: <https://www.scopus.com>).

5. Responsibilities in research activities

Since 2007 he is responsible of the Electronics Lab of the Dipartimento di Ingegneria dell'Innovazione, Università del Salento. The Electronics Lab includes a research group made up of 3 Ph.D. students, 1 researcher and 5 students.

Between 2007 and 2014 he is responsible for the Research Activity (regulated by a contract) in collaboration between IMEC and the Dipartimento di Ingegneria dell'Innovazione, Università del Salento. The target of this activity is the implementation of the analog base-band section of IEEE 802.11.4a standard compliant transceiver, and the analog base-band section of a 60GHz receiver with very low-power consumption.

Since 2008 up to 2010, he was Responsible for the INFN Lecce section, of the To-ASIC project. The aim of this project is to verify the potentialities of CMOS 90nm technology in the design of electronics interfaces for physics experiment.

In 2014 he was responsible for the Research Activity (regulated by a contract) between the company TDK-EPCOS (Copenhagen, Danimarca) and the Dipartimento di Ingegneria dell'Innovazione, Università del Salento. The research activity forecasts the design of MEMS electronic interfaces in integrated technology.

In 2015 he was responsible for the Research Activity (regulated by a contract) between the company Sondrel Ltd (Reading, UK) and the Dipartimento di Ingegneria dell'Innovazione, Università del Salento. The research activity forecasts the design of RF front-end in integrated technology.

In 2016 he was Responsible for the INFN Lecce section, of the project named CHIPIX65. The project aims to design analog circuit blocks able to work with high radiation dose (up to 1Grad) in 65nm technology. These circuit blocks should be included in the front-end of particle detectors at CERN (Geneve, Switzerland). In particular Stefano D'Amico in charged

to coordinate the design activities of the fully integrated DC-DC converter required to supply the detector pixels.

In 2017 he was Responsible for the Research Activity (regulated by a contract) between the company INTEL (Villach, Austria) and the Dipartimento di Ingegneria dell'Innovazione, Università del Salento. The research activity forecasts the design of SAR ADCs designs.

6. Organization of cultural events

2006: Organization Secretary of the international conference IEEE PRIME 2006, 12-15 Giugno 2006, Otranto (Lecce), Italy.

2008: Organization Secretary of Italian annual meeting of the Electronics Groups (GE2008).

2012-Today: TPC member of the international conference IEEE ICICDT.

2012-Today: TPC member of the international conference IEEE PRIME.

2013: TPC member of the international conference "IEEE International Conference on Microelectronics" (ICM).

2014: TPC member of the international conference SPIE 2015 Microtechnologies Conference.

2015: Co-organizer of the Special Session titled "CMOS Integrated Circuits for Physics Experiments" at IEEE International Conference on Electronics, Circuits and Systems, ICECS 2015, 6-9 December 2015, Il Cairo (Egitto).

2016: TPC member of the international conference ESSCIRC.

2018: Local arrangement Chair of the international conference IEEE ICICDT 2018 (Otranto, Lecce).

7. Editorial activity

2002-Today: Reviewer for the most important journals and conferences in the IC analog field design (IEEE Journal of Solid-State Circuits, IEEE Transactions on Circuits and Systems I e II, Journal of Circuits, Systems and Computers, ISCAS, ICECS, PRIME, ICICDT).

2008-Today: Associate Editor of the international journal "Journal of Circuits Systems and Computers".

8. Invited papers

2007: Invited paper to the international conference IEEE ICUWB:

1. S. D'Amico, A. Baschiroto, K. Philips, J. Van der Tang, G. Dolmans, T. Fu, O. Rousseaux, H. Pflug, B. Gyselinckx "RF and Base-Band circuit blocks for LR-UWB receivers" International Conference on Ultra-WideBand 2007 (ICUWB2007) 24-26 September 2007 Singapore, Cina, pages 158 - 161 (Invited Paper) (ISBN: 978-1-4244-0521-3, DOI: 10.1109/ICUWB.2007.4380933).

2007: Invited paper to the international conference ICUWB:

2. G. Dolmans, O. Rousseaux, Li Huang, Ting Fu, B. Gyselinckx, S. D'Amico, A. Baschiroto, J. Ryckaert, B. van Poucke "UWB Radio Transceivers For Ultra Low

Power and Low Data Rate Communications” International Conference on Ultra-WideBand, 2007, (ICUWB2007), 24-26 September 2007, Singapore, Cina, pages 152-155 (ISBN: 978-1-4244-0521-3, DOI: 10.1109/ICUWB.2007.4380932)

2012: “Invited speaker” for the tutorial on the UWB technology titled “Towards minimum power UWB analog baseband” at ESSCIRC 2012.

2013: Invited paper to the international conference ICICDT 2013:

A. Baschiroto, M. De Matteis, S. D'Amico “Towards Minimum Power Analog Filters” Proc. of International Conference on IC Design and Technology (ICICDT), 2013, May 29th-31st 2013, Pavia, Italy (ISBN: 978-146734741-9, DOI: 10.1109/ICICDT.2013.6563321).

2015: Invited paper to the international conference ICICDT 2015:

3. A. Spagnolo, B. Verbruggen, S. D'Amico, P. Wambacq “High-speed analog-to-digital converters in downscaled CMOS” International Conference on IC Design & Technology (ICICDT), 1-3 June 2015, Leuven (Belgium) pages: 1 – 4 (DOI: 10.1109/ICICDT.2015.7165903).

2016 Invited paper to the international journal Radio Science (Wiley):

4. M. Pasca, R. Colella, L. Catarinucci, L. Tarricone, S. D'Amico, A. Baschiroto “UHF front-end feeding RFID-based body sensor networks by exploiting the reader signal” Radio Science, Volume 51, Issue 5, 1 May 2016, Pages 481-489 (DOI: 10.1002/2016RS006016).

2016: Invited paper to the international journal Radio Science (Wiley):

5. R. Colella, M. Pasca, L. Catarinucci, L. Tarricone, S. D'Amico “RF-DC converter for HF RFID sensing applications powered by a near-field loop antenna” Radio Science Volume 51, Issue 7, 1 July 2016, Pages 942-950 (DOI: 10.1002/2016RS006017).

9. Technology transfer

2015: Co-founder of Thetis Microelectronics srls, an innovative start-up operating in the semiconductor field.

10. Acknowledgments

2005: Gold Leaf Award at the international conference PRIME 2005, for the paper titled “A up to 1GHz low-power continuous-time ‘3rd-order filter+integrator’ chain for Wireless Body-Area Network receivers”.

2005: Silver Leaf Award at the international conference PRIME 2005 for the paper titled “A 0.13 μ m CMOS VGA for Multistandard Receivers”.

2005: Bronze Leaf Award at the international conference PRIME 2005 for the paper titled “A 600mV 1.32mW 75dB-DR 4th-order Baseband Analog Filter for UMTS Receivers”.

2006: : Gold Leaf Award at the international conference PRIME 2006 for the paper titled “A 600mV Baseband Analog Filter for UMTS Receivers”.

2006: : Silver Leaf Award at the international conference PRIME 2006 for the paper titled “Power-Minimization Design Procedure for Rauch Biquadratic Cells”.

2008: : Bronze Leaf Award at the international conference PRIME 2008 for the paper titled “A 90nm CMOS 1.8mW 87dB SNR 3rd Order Analog Filter for GSM Receiver”.

2013: “**Best paper award**” at the International Conference on Computer, Information and Telecommunication Systems (CITS), for the paper titled “Non-idealities compensation in full-digital receivers with application to Ultra-Wide Band” 2013”.

2014: : Bronze Leaf Award at the international conference PRIME 2014 for the paper titled “A 40mV Start up Voltage DC – DC Converter for Thermoelectric Energy Harvesting Applications”.

2016 Best paper award at the international conference ICECS 2016 for the paper titled “A Fully Integrated Switch Capacitor Step Down DC-DC Converter in 65nm Bulk CMOS Technology with Peak Efficiency Tracking”

11. Teaching activity

2006: Lecturer of the course titled *Elettronica per le Telecomunicazioni 1* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2005/2006, 6 CFU (University Education Credits)).

2007: Lecturer of the course titled *Elettronica per le Telecomunicazioni 1* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2006/2007, 6 CFU).

2007: Lecturer of the course titled *Elettronica 1* (Università del Salento, Bachelor of Science in Mechanics Engineering, academic year 2006/2007, 4 CFU).

2008: Lecturer of the course titled *Elettronica per le Telecomunicazioni 1* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2007/2008, 6 CFU).

2008: Lecturer of the course titled *Elettronica Analogica* (Università del Salento, Master of Science in Mechanics Engineering, academic year 2008/2009, 6 CFU).

2009: Lecturer of the course titled *Progettazione Microelettronica* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2008/2009, 6 CFU).

2009: Lecturer of the course titled *Elettronica per le Telecomunicazioni* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2009/2010, 9 CFU).

2010: Lecturer of the course titled *Progettazione Microelettronica* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2009/2010, 6 CFU).

2010: Lecturer of the course titled *Elettronica per le Telecomunicazioni* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2010/2011, 9 CFU).

2011: Lecturer of the course titled *Elettronica per le Telecomunicazioni* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2011/2012, 9 CFU).

2012: Lecturer of the course titled *Elettronica per le Telecomunicazioni* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2012/2013, 9 CFU).

2012 Lecturer of the course titled *RF Microelectronics* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2012/2013, 9 CFU).

2013: Lecturer of the course titled *Elettronica Analogica* (Università del Salento, Bachelor Science in Information Engineering, accademic year 2013/2014, 6 CFU).

2013: Lecturer of the course titled *RF Microelectronics* (Università del Salento, Master of Science in Telecommunications Engineering, academic year 2013/2014, 9 CFU).

2014: Lecturer of the course titled *Elettronica Analogica* (Università del Salento, Bachelor Science in Information Engineering, accademic year 2014/2015, 6 CFU).

2015: Lecturer of the course titled *Elettronica Analogica* (Università del Salento, Bachelor Science in Information Engineering, accademic year, 6 CFU).

12. Supervision activity

Stefano D'Amico has been supervisor of 14 Master Science student in Telecommunications Engineering, Università del Salento, and 7 Ph.D. students. Currently, he is supervisor of 5 Bachelor Science students and 2 Ph.D. students, and he is the scientific responsible of 1 researcher.

13. Affiliations

2006-Today: Member of the Istituto Nazionale di Fisica Nucleare-Lecce Section

2012-Today: Member of the Istituto per la Microelettronica e Microsistemi - Consiglio Nazionale delle Ricerche

14. Other charges at the University

2008-today: Member of the Professors Board of the Ph.D. school In Information Engineering, Università del Salento.

2012-2014: Member of the Joint Committee Professors-Students.

2012- today: Member of the Professors Board of the Ph.D. school in Engineering of complex systems.

2016: Member of the Committee for the Quality control of the BS course in Innovation Engineering and Master Science courses in Communication Engineering and Computer Engineering.

15. Publicaions list

Journals

6. S. D'Amico and A. Baschiroto "A compact High-Frequency Low-Power Continuous-Time Gm-C Biquad Cell" IEE Electronics Letters, 29th May 2003, vol. 39, no. 11, pages 821-822 (DOI:10.1049/el:20030537).
7. G. Maruccio, P. Visconti, V. Arima, S. D'Amico, Adriana Biasco, E. D'Amone, R. Cingolani and R. Rinaldi "Field Effect Transistor based on a modified DNA base" Nanoletters, pages 479-483, vol. 3,

- no.4, April 2003 (DOI: 10.1021/nl034046c).
8. G. Maruccio, P. Visconti, S. D'Amico, E. D'Amone, R. Rinaldi, R. Cingolani "Planar nanotips as probes for transport experiments in molecules" *Microelectronic Engineering*, pages 838-844, vol.67-68, 2003 (DOI: 10.1016/S0167-9317(03)00145-X).
 9. S. D'Amico, G. Maruccio, P. Visconti, E. D'Amone, R. Cingolani and R. Rinaldi; S. Masiero, G.P. Spada and G. Gottarelli "Transistors based on the Guanosine Molecule (a DNA base)" *Microelectronics Journal*, pages 961-963, vol. 34, no. 10, October 2003 (DOI: 10.1016/S0026-2692(03)00197-6).
 10. S. D'Amico, G. Maruccio, P. Visconti, E. D'Amone, A. Bramanti, R. Cingolani, R. Rinaldi "Ambipolar transistors based on azurin proteins" *IEE Proceedings on Nanobiotechnology*, pages 173-175, vol. 151, no. 5, October 2005 (DOI: 10.1049/ip-nbt:20041032).
 11. Stefano D'Amico, A. Baschirotto "Active-Gm-RC continuous-time biquadratic cells" *Analog Integrated Circuits and Signal Processing*, November 2005, vol. 45, no. 3, pages 281-294 (DOI: 10.1007/s10470-005-4956-9).
 12. S. D'Amico, V. Giannini and A. Baschirotto "A Low-Power Reconfigurable Analog Filter for UMTS/WLAN Receivers" *Analog Integrated Circuits and Signal Processing*, January 2006, vol. 46, no. 1, pages 65-72 (DOI: 10.1007/s10470-005-4586-2).
 13. S. D'Amico, V. Giannini and A. Baschirotto "A 4th-order Active-Gm-RC reconfigurable (UMTS/WLAN) filter" *IEEE Journal of Solid-State Circuits*, pages 1630-1636, vol. 46, no.1, July 2006 (DOI: 10.1109/JSSC.2006.873676).
 14. N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, and A. Baschirotto "1.2-V Low-Power Multi-Mode DAC+Filter Blocks for Reconfigurable (WLAN/UMTS, WLAN/Bluetooth) Transmitters" *IEEE Journal of Solid-State Circuits*, pages 1970-1982, vol. 41, no. 9, September 2006 (DOI: 10.1109/JSSC.2006.880602).
 15. N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschirotto "A 1.2V, 30.4dBm OIP3 Reconfigurable Analog Baseband Channel for UMTS/WLAN Transmitters" *IEEE Transactions on Circuits and Systems I*, pages 2125-2130 vol. 53, no. 10, October 2006 (DOI: 10.1109/TCSI.2006.883174).
 16. S. D'Amico, M. Conta and A. Baschirotto "A 4.1-mW 10-MHz Fourth-Order Source-Follower-Based Continuous-Time filter with 79dB DR" *IEEE Journal of Solid-State Circuits*, pages 2713-2719, vol. 41 no. 12, December 2006 (DOI: 10.1109/JSSC.2006.884191).
 17. Bramanti, G. Maruccio, P. Visconti, S. D'Amico, R. Cingolani, R. Rinaldi "Field Emission Breakdown and Electromigration in Insulated Planar Nanoscopic Contacts" *IEEE Transactions on Electron Devices*, pages 2958-2964, vol. 53, no. 12, December 2006 (DOI:10.1109/TED.2006.885659).
 18. F. Corsi, G. Matarrese, C. Marzocca, A. Dragone, A. Baschirotto, S. D'Amico "Tuning of high-speed telecommunication filters, via I/O cross-correlation evaluation", *IEEE Transactions on Circuits and Systems I*, pages 329-337, vol. 54, no. 2, February 2007 (DOI: 10.1109/TCSI.2006.886005).
 19. J. Ryckaert, M. Verhelst, M. Badaroglu, S. D'Amico, V. De Heyn, C. Desset, P. Nuzzo, B. Van Poucke, P. Wambacq, A. Baschirotto, W. Dehaene, G. Van der Plas "A CMOS Ultra-Wideband Receiver for Low Data-Rate Communication" *IEEE Journal of Solid-State Circuits*, pages 2515 - 2527, vol. 42, no. 11, November 2007 (DOI: 10.1109/JSSC.2007.907195).
 20. V. Giannini, J. Craninckx, J. Compiet, B. Come, S. D'Amico, A. Baschirotto "Flexible baseband analog circuits for Software-Defined Radio Front-Ends" *IEEE Journal of Solid-State Circuits*, pages 1501-1511, vol. 42, no. 7, July 2007 (DOI: 10.1109/JSSC.2007.899103).
 21. S. D'Amico, A. Baschirotto, M. De Matteis, N. Ghittori, A. Vigna, P. Malcovati "A CMOS 5 nV/√Hz 74-dB-Gain-Range 82-dB-DR Multistandard Baseband Chain for Bluetooth, UMTS, and WLAN" *IEEE Journal of Solid-State Circuits*, pages 1534-1541, vol. 43, no. 7, July 2008 (DOI: 10.1109/JSSC.2008.922378).
 22. S. D'Amico, M. De Matteis, A. Baschirotto "A 6.4 mW, 4.9 nV/√Hz, 24 dBm IIP3 VGA for a multi-standard (WLAN, UMTS, and Bluetooth) receiver" *Analog Integrated Circuits and Signal Processing*, vol. 61, no. 1 pages 1-7, October 2009 (DOI: 10.1007/s10470-008-9269-3).
 23. N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschirotto "An IEEE 802.11 and 802.16 WLAN Wireless Transmitter Baseband Architecture with a 1.2-V, 600-MS/s, 2.4-mW DAC", *Analog Integrated Circuits and Signal Processing*, pages 231-242, vol. 59, no. 3, June 2009 (DOI: 10.1007/s10470-008-9262-x).
 24. M. De Matteis, S. D'Amico, A. Baschirotto "A 0.55 V 60 dB-DR Fourth-Order Analog Baseband Filter" *Journal of Solid-State Circuits*, pages 2525-2534, vol. 44, no. 9, September 2009 (DOI: 10.1109/JSSC.2009.2024801).
 25. A. Baschirotto, G. Chiodini, P. Creti, S. D'Amico, M. De Matteis, F. Grancagnolo, M. Panareo, S. Spagnolo, G. Tassielli "Cluster counting drift chamber as high precision tracker for ILC experiments" *Nuclear Instruments & Methods in Physics Research. Section A, Accelerators, Spectrometers, Detectors, and Associated Equipments*, vol. 598, issue 1, 1 January 2009, pages 98-101 (DOI: 10.1016/j.nima.2008.08.073).
 26. S. D'Amico, G. Cocciolo, M. De Matteis, A. Baschirotto "A 6.9 mA 5 bits 90nm 1GS/s ADC without

- calibration for UWB application" *Microelectronics Journal* vol. 42, no. 2, pages 325–329, February 2011 (DOI: 10.1016/j.mejo.2010.11.006).
27. M. De Blasi, P. Delizia, S. D'Amico, A. Baschirotto "A 16 bit 20 kHz bandwidth discrete-time RD modulator with VCO-based quantizer" *Analog Integrated Circuits and Signal Processing*, June 2011 pages 1-9 (DOI: 10.1007/s10470-011-9664-z).
 28. S. D'Amico, M. De Blasi, M. De Matteis, A. Baschirotto "A 255 MHz Programmable Gain Amplifier and Low-Pass Filter for Ultra Low Power Impulse-Radio UWB Receivers" *IEEE Transactions on Circuits and Systems I: Regular Papers*, vol. 59, issue 2, February 2012, pages: 337 – 345 (DOI: 10.1109/TCSI.2011.2163886).
 29. P. Visconti, S. D'Amico, A. Baschirotto, D. Romanello, P. Costantini, V. Ventura, G. Cavallera "Bidirectional communication system on power line integrated on electronic board for driving of LED and HID lamps" *Advances in Power Electronics*, vol. 2012, Article ID 872383, 10 pages (DOI:10.1155/2012/872383).
 30. V. Chironi, B. Debaillie, S. D'Amico, A. Baschirotto, J. Craninckx, M. Ingels "A Digitally Modulated Class-E Polar Amplifier in 90nm CMOS" *IEEE Transactions on Circuits and Systems I: Regular Papers*, vol. 60, no. 4, April 2013, pages 918-925 (DOI: 10.1109/TCSI.2012.2215398).
 31. Y. Chen, P.I. Mak, S. D'Amico, L. Zhang, H. Qian, Y. Wang "A Single-Branch Third-Order Pole–Zero Low-Pass Filter With 0.014-mm² Die Size and 0.8-kHz (1.25-nW) to 0.94-GHz (3.99-mW) Bandwidth–Power Scalability" *IEEE Transactions on Circuits and Systems—II: Express Briefs*, vol. 60, no. 11, November 2013 pages 761-765 (DOI: 10.1109/TCSII.2013.2281717).
 32. S. D'Amico, G. Cocciolo, A. Spagnolo, M. De Matteis, A. Baschirotto "A 7.65-mW 5-bit 90-nm 1-Gs/s Folded Interpolated ADC Without Calibration" *IEEE Transactions on Instrumentation and Measurement*, February 2014, vol. 23, no. 2, pages 295-303 (DOI: 10.1109/TIM.2013.2278998).
 33. A. Donno, S. D'Amico, M. De Matteis, A. Baschirotto "A 10-b 50-MSPS Low Power Pipeline ADC for Ultra-High Energy Cosmic Rays Detection" *IEEE Transactions on Nuclear Science*, vol. 61, no. 21, February 2014, pages 568-573 (DOI: 10.1109/TNS.2013.2292521).
 34. A. Coluccia, V. Chironi, S. D'Amico "Non-idealities Compensation in Full-Digital Receivers with Application to Ultra-Wide Band" *Wireless Personal Communication*, Springer; April 2014 (DOI 10.1007/s11277-014-1777-0).
 35. A. Baschirotto, M. De Matteis, A. Pezzotta, S. D'Amico "Continuous-time analog filter in CMOS nanoscale era" *Journal of Instrumentation*, IOP Publishing Ltd and Sissa Medialab srl, vol. 9, issue 4, April 2014 (DOI: 10.1088/1748-0221/9/04/C04008).
 36. A. Spagnolo, B. Verbruggen, P. Wambacq, S. D'Amico "A 4.1mW 3.5GS/s 6b Time Interleaved ADC in 40nm CMOS" *IEEE Transactions on Circuits and Systems II: Express Briefs*, 2014 (DOI: 10.1109/TCSII.2014.2327340).
 37. S. D'Amico, A. Spagnolo, A. Donno, V. Chironi, P. Wambacq, A. Baschirotto "A Low-Power Analog Baseband Section for 60-GHz Receivers in 90-nm CMOS" *IEEE Transaction on Microwave Theory and Techniques*, 2014, Volume: 62, Issue:8, Pages:1724-1735 (DOI: 10.1109/TMTT.2014.2332877).
 38. M. Pasca, S. D'Amico, A. Baschirotto "A 0.23μW, 96 mV Input Voltage DC-DC Converter for Body Sensor Nodes" *IEEE Sensors Journal*, Volume 15, Issue 10, 1 October 2015, Pages 5677-5682 (DOI: 10.1109/JSEN.2015.2442174).
 39. M. De Matteis, A. Pezzotta, S. D'Amico, A. Baschirotto, "A 33 MHz 70 dB-SNR super-source-follower-based low-pass analog filter" *IEEE Journal of Solid-State Circuits*, volume 50, Issue 7, 1 July 2015, Pages 1516-1524 (DOI: 10.1109/JSSC.2015.2411626).
 40. C. Veri, L. Francioso, M. Pasca, C. De Pascali, P. Siciliano, S. D'Amico "An 80mV Startup Voltage Fully Electrical DC-DC Converter for Flexible Thermoelectrical Generators" *IEEE Sensors Journal*, Volume 16, Issue 8, 15 April 2016, Pages 2735-2745 (DOI:10.1109/JSEN.2016.2520982)
 41. R. Colella, M. Pasca, L. Catarinucci, L. Tarricone, S. D'Amico "High-Sensitivity CMOS RF-DC Converter in HF RFID Band" *IEEE Microwave and Wireless Components Letters*, 16th of August 2016 (DOI: 10.1109/LMWC.2016.2597212).
 42. M. De Matteis, A. Pezzotta, A. Pipino, A. Baschirotto, S. D'Amico "5 dBm-IIP3 22.5 MHz fourth-order follow-the- Leader-feedback analogue filter" *IEE Electronics Letters*, Volume 52, Issue 13, 23 June 2016, Pages 1100-1102 (DOI: 10.1049/el.2016.0800).
 43. M. Pasca, R. Colella, L. Catarinucci, L. Tarricone, S. D'Amico, A. Baschirotto "UHF front-end feeding RFID-based body sensor networks by exploiting the reader signal" *Radio Science*, Volume 51, Issue 5, 1 May 2016, Pages 481-489 (Invited Paper) (DOI: 10.1002/2016RS006016).
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