

Conference presentations

1990

- [C.1] A. Baschirotto, R. Castello, and F. Montecchi
"Finite gain compensation technique for high-Q bandpass switched-capacitor filters"
IEEE International Symposium on Circuits and Systems (ISCAS '90), New Orleans 1990, pag. 2813-2816
- [C.2] R. Castello, F. Montecchi, R. Alini, and A. Baschirotto
"A very linear BiCMOS transconductor for high-frequency filtering applications"
IEEE International Symposium on Circuits and Systems (ISCAS '90), New Orleans 1990, pag. 1364-1367
- [C.3] A. Baschirotto, M. Cassis, F. Montecchi, G. Palmisano, and D. Rossi
"BiCMOS switched-capacitor linear-phase bandpass filter for RDS applications"
European Solid-State Circuits Conference (ESSCIRC '90), Grenoble 1990, pag. 185-188

1991

- [C.4] A. Baschirotto
"IIR double-sampled switched-capacitor building blocks for high-frequency decimators"
IEEE International Symposium on Circuits and Systems (ISCAS '91), Singapore 1991, pag. 1673-1676
- [C.5] A. Baschirotto, M. Cassis, P. Kirchlechner, F. Montecchi, G. Palmisano, and D. Rossi
"An analog BiCMOS integrated circuit for front-end RDS decoder"
IEEE International Conference on Consumer Electronics (ICCE '91), Chicago 1991, pag. 338-339
- [C.6] R. Alini, A. Baschirotto, and R. Castello
"8-32 MHz tunable BiCMOS continuous-time filters"
European Solid-State Circuits Conference (ESSCIRC '91), Milano 1991, pag. 9-12

appears also in

'Integrated continuous-time filters', edited by Y. Tzividis and J. O. Voorman, IEEE Press, pag. 235-238

1992

- [C.7] R. Alini, A. Baschirotto, R. Castello, and F. Montecchi
"Accurate MOS threshold voltage detector for bias circuitry"
IEEE International Symposium on Circuits and Systems (ISCAS '92), San Diego 1992, pag. 1280-1283
- [C.8] R. Castello, and A. Baschirotto
"Analog blocks in telecommunications systems"
International Symposium on Signals, Systems and Electronics (ISSSE '92), Paris 1992, pag. 208-213

1993

- [C.9] A. Baschirotto, R. Alini, R. Castello, and F. Montecchi
"High-speed BiCMOS operational amplifier for switched-capacitor circuits"
IEEE International Symposium on Circuits and Systems (ISCAS'93), Chicago 1993, pag. 998-1001
- [C.10] A. Baschirotto, R. Castello, and F. Montecchi
"Exact design of high-frequency SC circuits using low-gain opamps"
IEEE International Symposium on Circuits and Systems (ISCAS'93), Chicago 1993, pag. 1014-1017
- [C.11] A. Baschirotto, G. Cesura, F. Rezzi, and F. Svelto
"A BiCMOS tunable shaper for elementary particle detectors"
IEEE International Symposium on Circuits and Systems (ISCAS'93), Chicago 1993, pag. 1077- 1080
- [C.12] A. Baschirotto, R. Alini, R. Castello, and F. Montecchi
"Analog BiCMOS continuous-time delay-line with adjustable delay-time"
European Conference on Circuits Theory and Design (ECCTD '93), Davos 1993, pag. 1129-1134

- [C.13] A. Baschirotto, M. Bosetti, R.Castello, A. Gola, G. Pessina, P. Rancoita, M. Rattaggi, M. Redaelli, and G. Terzi
"A monolithic high-speed bipolar charge sensitive preamplifier for calorimeters applications"
European Conference on Circuits Theory and Design (ECCTD '93), Davos 1993, pag. 1141-1146

1994

- [C.14] M. Segato, A. Baschirotto, G. Biaggioni, G. Cortelazzo, and E. Malavasi
"SC realization of anti-aliasing CCIR-601 video filters"
IEEE International Conference on Consumer Electronics (ICCE '94), Chicago 1994, pag. 202-203
- [C.15] A. Baschirotto, M. Bosetti, R.Castello, A. Gola, G. Pessina, P. Rancoita, M. Rattaggi, M. Redaelli, and G. Terzi
"High-speed monolithic read-out system for high energy physics experiments"
IEEE International Symposium on Circuits and Systems (ISCAS '94), Londra 1994, pag. 107-110
- [C.16] A. Baschirotto, F. Rezzi, and R.Castello
"Design of high-frequency BiCMOS continuous-time filters with low-output impedance transconductor"
IEEE International Symposium on Circuits and Systems (ISCAS '93), Londra 1994, pag. 665-668
- [C.17] F. Rezzi, A. Baschirotto, and R. Castello
"A 3V pseudo-differential transconductor with intrinsic rejection of the common-mode input signal"
IEEE Midwest Symposium on Circuits and Systems (MIDWEST '94), Lafayette 1994, August 1994 - pag. 85-88
- [C.18] F. Alberti, A. Baschirotto, G. Brasca, C.M. Milanese, F. Montecchi, and D. Rossi
"3V BiCMOS analog front-end for RDS demodulation systems"
European Solid-State Circuits Conference (ESSCIRC '94), Ulm 1994, pag. 112-115

1995

- [C.19] A. Baschirotto, F. Montecchi and R. Castello
"A 150 Ms/s 20mW BiCMOS switched-capacitor biquad using precise gain opamps"
IEEE International Solid-State Circuits Conference (ISSCC '95) - San Francisco, February 1995 - Digest of technical papers - pag. 212-213.
- [C.20] A. Baschirotto, V. Liberali, C. Samori
"Parallel structure for high-frequency Sigma-Delta modulators"
European Conference on Circuits Theory and Design (ECCTD '95), Istanbul 1995
- [C.21] F. Rezzi, A. Baschirotto, and R. Castello
"3V 12-55MHz BiCMOS continuous-time filter with pseudo-differential structure"
European Solid-State Circuits Conference (ESSCIRC '95), Lille 1995, pag. 74-77
- [C.22] A. Baschirotto, R. Castello, A. Gola, G. Pessina, P. G. Rancoita, M. Redaelli, A. Seidman, M. Volpi
"Realization of a versatile high-speed bipolar charge sensitive preamplifier for calorimeter applications"
European Solid-State Circuits Conference (ESSCIRC '95), Lille 1995, pag. 310-313
- [C.23] A. Baschirotto, R. Castello, G. Pessina, P. G. Rancoita, M. Rattaggi, M. Redaelli, A. Seidman
"Design of a hardened fast bipolar monolithic charge sensitive preamplifier"
IEEE 18th Convention of electrical and electronics Engineers in Israel - Tel Aviv, March 7-8, 1995, pag. 2.5.5.1-2.5.5.5

1996

- [C.24] A. Baschirotto, A. Nagari, F. Montecchi, R. Castello
"Design considerations for a 10.7 MHz BiCMOS high-Q double-sampled SC bandpass filter"
IEEE International Symposium on Circuits and Systems (ISCAS '96), Atlanta 12-14 May 1996, pag. 433-436

- [C.25] G. Cortelazzo, E. Malavasi, A. Gerosa, and A. Baschirotto
"A new structure for video-rate 2D SC FIR filter"
VIII European Signal Processing Conference (EUSIPCO '96) - Trieste (Italy) September 10-13, 1996
- [C.26] L. Schillaci, A. Baschirotto, R. Castello
"A 150MHz 5.4mW Track&Hold operated at 3V supply"
22nd European Solid State Circuits (ESSCIRC '96) - Neuchatel (Svizzera) - September 17-19, 1996
- [C.27] A. Baschirotto, G. Brasca, F. Montecchi, F. Stefani
"A 96dB SNR -75dB THD switched-capacitor filter for 16bit audio codec applications"
22nd European Solid State Circuits (ESSCIRC '96) - Neuchatel (Svizzera) - September 17-19, 1996
- [C.28] A. Baschirotto, G. Boella, R. Castello, G. Pessina, P.G. Rancoita
"A readout channel with 1nF fully integrated capacitor for AMS space experiment"
IEEE International Conference on Electronics, Circuits and Systems (ICECS '96) Rodos (Greece) - October 13-16, 1996

1997

- [C.29] A. Baschirotto, R. Castello
"A 1V 1.8MHz CMOS Switched-opamp SC filter with rail-to-rail output swing"
IEEE International Solid-State Circuits Conference (ISSCC '97) - San Francisco, February 1997 - Digest of technical papers - pag. 58-59.
- [C.30] A. Baschirotto, R. Castello
"Low-Voltage Switched-Capacitor Filters"
Invited paper at Europ. Conf. on Circuits Theory and Design (ECCTD '97) - Budapest, August 1997
- [C.31] A. Baschirotto, M. Bianchessi, G. Brasca, P. Cusinato, S. Dalle Feste, G. Gandolfi, F. Montecchi, F. Stefani, N. Serina
"A 16bit Digital-to-Analog converter for audio codec applications"
Europ. Conf. on Circuits Theory and Design (ECCTD '97) - Budapest, August 1997
- [C.32] A. Baschirotto, R. Castello
"A 1V CMOS fully-differential switched-opamp bandpass $\Sigma\Delta$ modulator"
23rd European Solid State Circuits (ESSCIRC '97) - Southampton, UK - September 16-18, 1997 - pag. 152-155
- [C.33] A. Baschirotto, G. Boella, R. Castello, G. Frattini, G. Pessina, P.G. Rancoita
"A CMOS low power time-to-voltage converter with 3ns resolution for AMS experiments"
IV IEEE International Conference on Electronics, Circuits and Systems (ICECS '97) - Il Cairo, 15-18 December 1997 - pag. 1189-1192

1998

- [C.34] A. Baschirotto, R. Castello
"1V Switched-capacitor filters"
Workshop on Advances in Analog Circuit Design (AACD '98) Copenhagen , 28-30 April 1998 - pag. 3.1-3.13
- [C.35] A. Baschirotto, G. Boella, R. Castello, G. Frattini, G. Pessina, P.G. Rancoita
"Fully integrated readout channel with amplitude and time measurement for AMS experiment on ISSA"
IEEE International Symposium on Circuits and Systems (ISCAS '98), Monterey (USA) - May 1998 - p. II-220-223
- [C.36] A. Baschirotto, G. Denti, C. Samori
"A CMOS sampling data system for IF-to-baseband demodulation and filtering"
IEEE International Symposium on Circuits and Systems (ISCAS '98), Monterey (USA) - May 1998 - p. II-69-72
- [C.37] G. Ferri, A. Costa, and A. Baschirotto
"A 1.2V rail-to-rail switched buffer"
V IEEE International Conference on Electronics, Circuits and Systems (ICECS '98) - Lisbona, Sept. 1998 - pag. 45-48

- [C.38] A. Baschirotto
"A four-channel transimpedance amplifier for CD front-end"
24th European Solid State Circuits (ESSCIRC '98) - The Hague, NL - September 22-24, 1998 - pag. 480-483
- [C.39] G. Brasca, V. Colonna, P. Cusinato, G. Gandolfi, F. Stefani, D. Tonietto, and A. Baschirotto
"A CD analog front-end in BiCMOS technology"
24th European Solid State Circuits (ESSCIRC '98) - The Hague, NL - September 22-24, 1998 - pag. 220-223
- [C.40] A. Baschirotto, G. Bollati, A. Fassina, F. Montecchi, F. Stefani
"A Q=100 SC bandpass filter"
24th European Solid State Circuits (ESSCIRC '98) - The Hague, NL - September 22-24, 1998 - pag. 92-95
- [C.41] A. Baschirotto
"A 40MHz CMOS Sample&Hold operating at 1.2V"
24th European Solid State Circuits (ESSCIRC '98) - The Hague, NL - September 22-24, 1998 - pag. 248-251

1999

- [C.42] F. Severi, A. Baschirotto, and R. Castello
"A 200Ms/s 10mW switched-capacitor filter in a 0.5 μ m CMOS technology "
IEEE International Solid-State Circuits Conference (ISSCC '99) - San Francisco, February 1999 - Digest of technical papers - pag. 400-401.
- [C.43] A. Baschirotto, S. Brigati, F. Francesconi, P. Malcovati, D. Tonietto, and F. Maloberti
"Modeling Sigma-Delta Modulator Non-Idealities in SIMULINK"
IEEE International Symposium on Circuits and Systems (ISCAS '99), Orlando - June 1998 - pag. II-384-387
- [C.44] D. Tonietto, P. Cusinato, F. Stefani, and A. Baschirotto
"Considerations for the design of a 10.7MHz bandpass $\Sigma\Delta$ modulator"
European Conference on Circuit Theory and Design '99 (ECCTD '99) - Stresa (Italy), 29 August - 2 September 1999 - pag. 5-8
- [C.45] D. Tonietto, P. Cusinato, F. Stefani, and A. Baschirotto
"A 3.3V CMOS 10.7MHz 6th-order bandpass $\Sigma\Delta$ modulator with 78dB dynamic range"
European Solid-State Circuit Conference '99 (ESSCIRC '99) - September 21-23, 1999, Duisburg (Germany) - pp. 78-81

2000

- [C.46] A. Baschirotto, D. Bijno, R. Castello, F. Montecchi
"A 1V 1.2 μ W 4th order bandpass switched-opamp SC filter for a cardiac pacer sensing stage"
IEEE International Symposium on Circuits and Systems (ISCAS '2000), Ginevra - June 2000 - pag. III-173-176
- [C.47] A. Baschirotto, G. Frattini
"A 3.3V CMOS line-driver for serial bus"
IEEE International Symposium on Circuits and Systems (ISCAS '2000), Ginevra - June 2000 - pag. IV-457-460
- [C.48] A. Baschirotto, U. Baschirotto, R. Castello
"High-frequency CMOS low-power single-branch continuous-time filters"
IEEE International Symposium on Circuits and Systems (ISCAS '2000), Ginevra - June 2000 - pag. II.577-580
- [C.49] R. Cappelletti, A. Baschirotto
"A versatile low-power Power Line FSK Transceiver"
IEEE Custom Integrated Circuits Conference (CICC '2000), Orlando - June 2000 - pag. 323-326
- [C.50] P. Cusinato, F. Stefani, and A. Baschirotto
"Power Consumption Reduction in High-Speed $\Sigma\Delta$ Bandpass Modulators"
International Symposium on Low Power Electronics Design (ISLPED '00) - Rapallo, July 2000 - pag. 55-60

- [C.51] P. Cusinato, F. Stefani, and A. Baschirotto
"A 73dB SFDR 10.7MHz 3.3V CMOS bandpass $\Sigma\Delta$ modulator sampled at 37.05MHz"
European Solid-State Circuit Conference '00 (ESSCIRC '00) - Stockholm (Sweden) - 21-23 Sept. 2000 - pag. 80-83

2001

- [C.52] P. Cusinato, F. Pasolini, F. Stefani, and A. Baschirotto
"Saturation Recovery Technique for High-Order Bandpass Switched Capacitor $\Sigma\Delta$ Modulators "
IEEE International Conference on Electronics, Circuits and Systems (ICECS '01) - Malta Sept. 2001 - pp. 1085-1088
- [C.53] A. Gola, N. Bagnalasta, P. Bendiscioli, E. Chiesa, S. Delbo', E. Lasalandra, F. Pasolini, M. Tronconi, T. Ungaretti, A. Baschirotto
"A MEMS-based rotational accelerometer for HDD applications with 2.5rad/sec 2 resolution and digital output"
European Solid State Circuits Conference (ESSCIRC2001) - Villach (Au) - Sept. 2001 - pp. 336-339
- [C.54] L. Lentola, A. Mozzi, A. Neviani, A. Baschirotto
"A 1 μ A Front-End for Pacemaker Atrial Sensing Channels "
European Solid State Circuits Conference (ESSCIRC2001) - Villach (Au) - Sept. 2001 - pp. 268-271
- [C.55] M. Annovazzi, V. Colonna, G. Gandolfi, A. Baschirotto
"A 98dB 3.3V 28mW-per-channel multibit audio DAC in a standard 0.35 μ m CMOS technology "
European Solid State Circuits Conference (ESSCIRC2001) - Villach (Au) - Sept. 2001 - pp. 540-543
- [C.56] A. Baschirotto
"Low-Voltage Switched-Capacitor Filters"
Invited paper - NORCHIP 2001 - Kista - Stockholm (Swe) - Nov. 2001

2002

- [C.57] A. Gola, F. Pasolini, E. Chiesa, E. Lasalandra, , M. Tronconi, T. Ungaretti, A. Baschirotto
"A 2.5rad/sec² resolution digital output MEMS-based rotational accelerometer for HDD applications"
Asia-Pacific Magnetic Recording Conference - Singapore - Aug. 2002 - pp. CPI-01 - CPI-02
- [C.58] A. Gola, P. Bendiscioli, E. Chiesa, E. Lasalandra, F. Pasolini, M. Tronconi, T. Ungaretti, and A. Baschirotto
"A 80dB-SNR \pm 1g fully-integrated biaxial linear accelerometer in a standard 0.5 μ m CMOS technology for high-sensitivity applications"
European Solid State Circuits Conference (ESSCIRC2002) - Florence (It) - Sept. 2002 - pp. 641-644
- [C.59] G. Gramegna, G. Montagna, I. Bietti, M. Franciotta, A. Baschirotto, G. Abboto, R. Pelleriti, M. Paparo, R. Castello
"A 35-mW - 3.6 mm² fully integrated 0.18 μ m CMOS GPS Radio"
European Solid State Circuits Conference (ESSCIRC2002) - Florence (It) - Sept. 2002 - pp. 431-434
- [C.60] V. Colonna, G. Gandolfi, F. Stefani, and A. Baschirotto
"A 10.7MHz Self-Calibrated SC Multibit 2nd-Order Bandpass $\Sigma\Delta$ Modulator"
European Solid State Circuits Conference (ESSCIRC2002) - Florence (It) - Sept. 2002 - pp. 575-578

2003

- [C.61] C. Meroni, E. Botti, A. Grosso, F. Stefani, M. Ghioni, and A. Baschirotto
"A 100dB 4x40W Digital Input Class-AB Power DAC for Audio Applications"
IEEE International Solid-State Circuits Conference (ISSCC '03) - San Francisco, February 2003 - Digest of technical papers – pp. 130-131
- [C.62] S. D'Amico, A. Baschirotto
"0.18 μ m CMOS Gm-C filter digitally tuned for telecom receivers"
IEEE International Symposium on Circuits and Systems (ISCAS '03), Bangkok - May 2003 - Vol. I - pp. 493-496

- [C.63] F. Adduci, M. Annovazzi, G. Boarin, A. Colaci, V. Colonna, G. Gandolfi, M. Sala, F. Salidu, F. Stefani, M. Frey, P. Kirchlechner, C. Kutschenreiter, A. Baschirotto
"A DSP-Based Digital IF AM/FM Car-Radio Receiver",
XXIX European Solid State Circuits Conference (ESSCIRC2003) - Estoril (Portugal) - Sept. 2003 - pp. 201-204
- [C.64] S. D'Amico, and A. Baschirotto
"An active-Gm-RC continuous-time biquad low-pass cell"
IEEE International Conference on Electronics (ICECS 2003) - Dubai - Dec. 2003 - pp. 251-254
- 2004**
- [C.65] A. Baschirotto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"Design and Characterization of a family of Fluxgate Magnetic Sensors in PCB Technology"
The 9th National Conference on Sensor and Microsystems (AISEM 2004) - Ferrara (Italy) - February 2004 - pp. 193, published by World Scientific Press
- [C.66] F. Corsi, C. Marzocca, G. Matarrese, A. Baschirotto, S. D'Amico
"Pseudo-random Sequence Based Tuning System for Continuous-time Filters"
Design and Automatic Testing Conference - (DATE 2004) - Paris (France) - February 2004 – Vol. 1, pp. 16-20
- [C.67] A. Baschirotto, M. Sala, F. Salidu, F. Stefani
"IF A/D Converters for a DSP-based FM-receiver"
Workshop on Advances in Analog Circuit Design (AACD 2004) - Montreux (Switzerland) - 6-8 April 2004
- [C.68] S. D'Amico, A. Baschirotto
"Low-Power Compact Gm-C Filters Structures"
IEEE International Symposium on Circuits and Systems (ISCAS '04), Vancouver (Canada) - May 2004 - pp. I-873–I-876
- [C.69] S. D'Amico, A. Baschirotto
"A 0.13 μ m CMOS low-voltage reconfigurable filter for UMTS/WLAN transmitters"
IEEE Workshop on Wireless Circuits and Systems (WoWCAS), May 21 and 22, 2004, Vancouver, Canada - pp. 12-13
- [C.70] A. Baschirotto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"Fluxgate magnetic sensor in PCB technology"
IEEE Instrumentation and Measurement Technology Conference (IMTC 2004), Como, Italy, 18-20 May 2004 - pp. 808-812
- [C.71] S. D'Amico, V. Giannini, A. Baschirotto
"An algorithm for the automatic design and the power optimization of Active-Gm-RC continuous-time biquadratic cell"
2nd IEEE Northeast Workshop on Circuits and Systems (IEEE NEWCAS'04) - June 2004 – pp. 333-336
- [C.72] N. Ghittori, A. Vigna, P. Malcovati, A. Baschirotto
"Design trade-offs for a 10bit, 80MHz current steering digital-to-analog converter"
2nd IEEE Northeast Workshop on Circuits and Systems (IEEE NEWCAS'04) - June 2004 - pp. 249 - 252
- [C.73] V. Colonna, M. Annovazzi, G. Boarin, G. Gandolfi, F. Stefani, A. Baschirotto
"A 0.22mm² 7.25mW per-channel audio stereo-DAC with 97dB-DR and 39dB SNR_{out}"
XXX European Solid State Circuits Conference (ESSCIRC2004) - Leuven (Belgium) - Sept. 2004 - pp. 155-158
- [C.74] M. Grassi, P. Malcovati and A. Baschirotto
"A high-precision wide-range front-end for resistive gas sensor arrays"
EuroSensors 2004 - Roma (Italy) - Sept. 2004 - pp. 409-410
- [C.75] A. Baschirotto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"Precise vector-2D magnetic field sensor system for electronic compass"
IEEE Sensors 2004 - Vienna (Austria) - Oct. 2004 - pp. 1028-1031
- [C.76] S. D'Amico, V. Giannini, and A. Baschirotto
"A low-power reconfigurable continuous-time filter for UMTS/WLAN receivers"
Norchip 2004 – OSLO – October, 8-10, 2004 – pp. 179-182

- [C.77] S. D'Amico, A. Baschiroto, A. Vigna, N. Ghittori, P. Malcovati
"Low-power reconfigurable baseband block for UMTS/WLAN transmitters"
Norchip 2004 – OSLO – October 8-10, 2004 – pp. 103-106

2005

- [C.78] M. Grassi, P. Malcovati, G. De Iaco, A. Baschiroto
"An integrated wide-range resistance-to-time converter with decoupled oscillator"
National Conference on Sensor and Microsystems (AISEM 2005), Firenze, February, 15-17, 2005
- [C.79] A. Baschiroto, M. Grassi, P. Malcovati, C. Di Natale, E. Martinelli, G. Ferri, N. Guerrini, L. Francioso, S. Capone, M. Prato, P. Siciliano
"High-performance blocks for a large dynamic range gas sensor – A PRIN Project"
National Conference on Sensor and Microsystems (AISEM 2005), Firenze, February, 15-17, 2005
- [C.80] A. Baschiroto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"Micro-integrated double axis planar fluxgate"
National Conference on Sensor and Microsystems (AISEM 2005), Firenze, February, 15-17, 2005 - published by World Scientific Press
- [C.81] A. Baschiroto, S. D'Amico, P. Malcovati
"Low-Voltage Low-Power Basic Circuits"
Invited at Workshop on Advances in Analog Circuit Design (AACD 2005), Limerick (Ireland), April, 5-7, 2005
- [C.82] A. Baschiroto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"From a PCB Fluxgate to an integrated micro Fluxgate magnetic sensor"
IEEE Instrumentation and Measurement Technology Conference (IMTC 2005), Ottawa, May, 17-19, 2005, pp. 1756-1760
- [C.83] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschiroto
"Behavioral analysis and dimensioning of UMTS transmitter baseband blocks"
International Symposium on Circuits and Systems (ISCAS 05), Kobe, Japan, May 23-26, 2005, pp. 388-391
- [C.84] N. Ghittori, P. Malcovati, A. Vigna, A. Baschiroto, S. D'Amico
"A Low-Distortion 1.2 V DAC+Filter for Transmitters in Wireless Applications"
International Symposium on Circuits and Systems (ISCAS 05), Kobe, Japan, May 23-26, 2005, pp. 776-779
- [C.85] J. H. Nielsen, P. Malcovati, A. Baschiroto and P. Andreani
"Technology scaling impact on embedded ADC design for telecom receivers"
International Symposium on Circuits and Systems (ISCAS 05), Kobe, Japan, May 23-26, 2005, pp. 4614-4617
- [C.86] M. Grassi, P. Malcovati, A. Baschiroto
"Flexible High-Accuracy Wide-Range Gas Sensor Interface for Portable Environmental Nosing Purpose"
International Symposium on Circuits and Systems (ISCAS 05), Kobe, Japan, May 23-26, 2005, pp. 5385-5388
- [C.87] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschiroto
"A low-power, low-voltage (11mW/8.4mW, 1.2V) DAC+filter for multistandard (WLAN/UMTS) transmitters"
VLSI Symposium 2005 – Kyoto (Japan) – June, 16-18, 2005 – p. 334-337
- [C.88] G. Matarrese, C. Marzocca, S. D'Amico, F. Corsi, A. Baschiroto
On chip self-tuning of high performance filters via pseudo-random input test signal
11th Annual International Mixed-Signals Testing Workshop (IMSTW2005) – Cannes (France) – June, 27-29, 2005
- [C.89] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschiroto
"A low-voltage, low-distortion (1.2V, 29.5dBm OIP3) reconfigurable baseband block for mobile applications"
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2005) – Lausanne (Switzerland) – July, 25-28, 2005, pp. 51-54

- [C.90] S. D'Amico, V. Chironi, A. Baschirotto
"A 0.13 μ m CMOS VGA for Multistandard Receivers"
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2005) – Lausanne (Switzerland) – July, 25-28, 2005, pp. 157-160
- [C.91] S. D'Amico, T. Grassi, Ryckaert Julien, A. Baschirotto
"A up to 1GHz low-power continuous-time "3rd-order filter+integrator" chain for Wireless Body-Area Network receivers"
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2005) – Lausanne (Switzerland) – July, 25-28, 2005
- [C.92] M. De Matteis, S. D'Amico, A. Baschirotto
"A 600mV 1.32mW 75dB-DR 4th-order Baseband Analog Filter for UMTS Receivers"
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2005) – Lausanne (Switzerland) – July, 25-28, 2005, pp. 149-152
- [C.93] M. Malfatti, M. Perenzoni, N. Viarani, A. Simoni, L. Lorenzelli, A. Baschirotto
"A complete front-end system read-out and temperature control for resistive gas sensor array"
European Conference on Circuit Theory and Design (ECCTD2005), University College Cork, Ireland, 29 August - 1 September, 2005, pp. III/31-III/34
- [C.94] M. Perenzoni, M. Malfatti, F. De Nisi, D. Stoppa, A. Baschirotto
"A Systematic Design Procedure for High-Speed Opamp Performance Optimization"
European Conference on Circuit Theory and Design (ECCTD2005), University College Cork, Ireland, 29 August – 1 September, 2005, pp. III/229 - III/232
- [C.95] S. D'Amico, V. Giannini, and A. Baschirotto
"A 1.2V-21dBm OIP3 4th-order Active- g_m -RC reconfigurable (UMTS/WLAN) filter with on-chip tuning designed with an automatic tool"
XXXI European Solid State Circuits Conference (ESSCIRC2005) - Grenoble (France) - Sept. 2005, pp.315-318
- [C.96] M. Grassi, P. Malcovati, and A. Baschirotto
"A 0.1% Accuracy 100 Ω -20M Ω Dynamic Range Integrated Gas Sensor Interface Circuit with 13+4 Bit Digital Output"
XXXI European Solid State Circuits Conference (ESSCIRC2005) - Grenoble (France) - Sept. 2005, pp. 351-354
- [C.97] A. Baschirotto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"Fluxgate magnetic sensor and front-end circuitry in a micro-integrated system"
EUROSENSOR 2005 - Barcellona (Spain) – 11-14 Sept. 2005
- [C.98] P. Malcovati, M. Grassi, F. Borghetti, V. Ferragina, A. Baschirotto
"Design and Characterization of a 5-Decade Range Integrated Resistive Gas Sensor Interface with 13-Bit A/D Converter"
IEEE Sensors 2005, Irvine (USA) – Oct. 2005 - pp. 472-475
- [C.99] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschirotto
"Design of a low-power variable gain amplifier for reconfigurable wireless receivers"
Proceedings of IEEE International Conference on Electronics, Circuits and Systems (ICECS '05), Gammarth, Tunisia, pp. 394-397, December 2005

2006

- [C.100] S. D'Amico, M. Conta, A. Baschirotto
"A 4.1mW 79dB-DR 4th-order source-follower-based continuous-time filter for WLAN receivers"
IEEE Intern. Solid-State Circuits Conference (ISSCC '06) - San Francisco, February, 6-9, 2006 – Digest of Technical Papers, pp. 1378-1387
- [C.101] M. Malfatti, D. Stoppa, A. Simoni, L. Lorenzelli, A. Adami, A. Baschirotto
"A CMOS interface for gas-sensor array with a 0.5%-linearity over 500k Ω -to-1G Ω range and 2.5°C temperature control accuracy"
IEEE Intern. Solid-State Circuits Conference (ISSCC '06) - San Francisco, February, 6-9, 2006 – Digest of Technical Papers, pp. 1131-1140

- [C.102] J. Ryckaert, M. Badaroglu, V. De Heyn, G. Van der Plas, P. Nuzzo, A. Baschiroto, S. D'Amico, C. Desset, H. Suys, M. Libois, B. Van Poucke, P. Wambacq, B. Gyselinckx
"A UWB 3-5GHz 20Mpulses/s Quadrature Analog Correlation Receiver with 16mA consumption in 0.18 μ m CMOS"
IEEE Intern. Solid-State Circuits Conference (ISSCC '06) - San Francisco, February, 6-9, 2006 – Digest of Technical Papers, pp. 368 - 377
- [C.103] A. Baschiroto (Organizer)
"Analog Scaling" – Special Topic Evening Session
IEEE Intern. Solid-State Circuits Conference (ISSCC '06) - San Francisco, February 2006 –
- [C.104] A. Baschiroto
"Analog circuits in scaled technologies"
IEEE Intern. Solid-State Circuits Conference (ISSCC '06) - San Francisco, February 2006 – Special Topic Evening Session
- [C.105] A. Baschiroto, E. Melissano, P. Siciliano, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
"A 2-D planar MicroFluxgate with sputtered core"
XI National conference on Sensors and Microsystems (AISEM2006), Lecce, February, 8-10, 2006, pp.33-34, published by World Scientific Press
- [C.106] M. Malfatti, D. Mosconi, L. Lorenzelli, A. Adami, A. Baschiroto
"A complete gas-sensor interface for wine quality monitoring"
XI National conference on Sensors and Microsystems (AISEM2006), Lecce, February, 8-10, 2006, pp.45-46
- [C.107] M. Grassi, P. Malcovati, S. Capone, P. Siciliano, L. Francioso, A. Baschiroto
"Gas-sensing system consisting in MOX-based microsensors interfaced to a novel integrated 5-decade dynamiv range front-end"
XI National conference on Sensors and Microsystems (AISEM2006), Lecce, February, 8-10, 2006, pp.253-254
- [C.108] V. Giannini, P. Nuzzo, F. De Bernardinis, J. Craninckx, B. Côme, S. D'Amico, A. Baschiroto
"A Synthesis Tool for Power-Efficient Base-Band Filter Design"
Conference on Design, Automation and Test in Europe Design, Automation (DATE2006) – February 2006 - pp. 162-163
- [C.109] N. Ghittori, A. Vigna, V. Ferragina, P. Malcovati, S. D'Amico, A. Baschiroto
"Design of a Low-Power DAC System for WLAN 802.11 Wireless Transmitters"
International Symposium on Circuits, Communication, and Signal Processing (ISCCSP2006), Marrakech (Morocco), March, 13-15, 2006
- [C.110] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschiroto
"Analog baseband channel for reconfigurable multistandard (GSM/UMTS/WLAN/Bluetooth) receivers"
Workshop on Wireless Reconfigurable Terminals and Platforms (WiRTeP) – Rome (Italy, 10-12 April, 2006 – pp. 88-92
- [C.111] A. Vigna, N. Ghittori, P. Malcovati, S. D'Amico, A. Baschiroto
"Low-voltage baeband architectures for multistandard wireless transmitters"
Workshop on Wireless Reconfigurable Terminals and Platforms (WiRTeP) – Rome (Italy, 10-12 April, 2006 – pp. 108-112
- [C.112] A. Baschiroto, E. Dallago, P. Malcovati, M. Marchesi, E. Melissano, P. Siciliano and G. Venchi
"An Integrated Micro Fluxgate Magnetic Sensor with Sputtered Ferromagnetic Core"
IEEE Instrumentation and Measurement Technology Conference (IMTC 2006), Sorrento, Italy, 24-27 April 2006 - pp. 2045-2049
- [C.113] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschiroto
"Analog Baseband Channel for GSM/UMTS/WLAN/Bluetooth Reconfigurable Multistandard Terminals"
IEEE International Symposium on Circuits and Systems (ISCAS2006) – Kos (Greece), May 2006 – pp. 4301-4304
- [C.114] L. Picolli, F. Maloberti, A. Rossini, F. Borghetti, P. Malcovati, A. Baschiroto
"A 10-Bit Pipeline A/D Converter Without Timing Signals"
IEEE International Symposium on Circuits and Systems (ISCAS2006) – Kos (Greece), May 2006 – pp. 5355-5358

- [C.115] M. Grassi, P. Malcovati, A. Baschirotto
“Wide-Range Integrated Gas Sensor Interface Based on a Resistance-to- Number Converter Technique with the Oscillator Decoupled from the Input Device”
IEEE International Symposium on Circuits and Systems (ISCAS2006) – Kos (Greece), May 2006 – pp. 4395-4398
- [C.116] A. Baschirotto, F. Borghetti, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
“A CMOS Front-End Circuit for Integrated Fluxgate Magnetic Sensors”
IEEE International Symposium on Circuits and Systems (ISCAS2006) – Kos (Greece), May 2006 – pp. 4403-4406
- [C.117] V. Giannini, J. Craninckx, J. Compriet, B. Come, S. D’Amico, A. Baschirotto
“Fully Reconfigurable Active-Gm-RC Biquadratic Cells for Software Defined Radio applications”
IEEE International Symposium on Circuits and Systems (ISCAS2006) – Kos (Greece), May 2006 – pp. 1047-1050
- [C.118] S. D’Amico, M. De Blasi, M. De Matteis, V. Giannini, A. Baschirotto
“A 600mV Baseband Analog Filter for UMTS Receivers “
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 13-16
- [C.119] M. De Matteis, S. D’Amico, A. Baschirotto, A. Di Giandomenico, J. Hauptmann
“A Programmable Double Supply Filter&Drive Block for Telecommunication Applications”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 21-24
- [C.120] M. De Matteis, S. D’Amico, A. Baschirotto
“Power-Minimization Design Procedure for Rauch Biquadratic Cells“
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp.141-144
- [C.121] F. Dalena, V. Giannini, A. Baschirotto
“A Low-Power Adaptive Biasing CMOS Operational Amplifier with Enhanced DC-Gain”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 165-168
- [C.122] M. De Matteis, M. Presicce, A. Baschirotto, S. D’Amico, R. Gaggl, D. Giotta
“A Single-Ended-to-Differential Transimpedance Amplifier for a Voice Transceiver Analog Interface”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 169-172
- [C.123] V. Giannini, J. Craninckx, B. Come, P. Malcovati, A. Baschirotto
“1.5GHz Fully Differential Latched Current Comparator with 20nA of Sensitivity”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 181-184
- [C.124] S. Jawed, M. Gottardi, A. Baschirotto
“A Switched Capacitor Interface for a Capacitive Microphone”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp 385-388
- [C.125] A. Rossini, A. Baschirotto, E. Dallago, P. Malcovati, M. Marchesi, G. Venchi
“Multilayer PCB Planar Fluxgate Magnetic Sensor”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2006) – Otranto (Italy) – June, 11-15, 2006 – pp. 413-416
- [C.126] A. Baschirotto, S. Capone, A. De Marcellis, C. Di Natale, V. Ferragina, G. Ferri, L. Francioso, M. Grassi, P. Malcovati, E. Martinelli, P. Siciliano, V. Stornelli, and N. Guerrini
“A Portable Integrated Wide-Range Gas Sensing System with Smart A/D Front-End”
Proceedings of International Meeting on Chemical Sensors (IMCS 06), Brescia, Italy, pp. WO2.4.4, July 2006
- [C.127] A. Baschirotto, E. Dallago, P. Malcovati, A. Rossini, G. Venchi, M. Marchesi, E. Melissano, M. Morelli P. Siciliano
“Complete Excitation and Readout CMOS Integrated Circuit for 2D Micro-Fluxgate Magnetic Sensors”
Proceedings of Eurosensors (Eurosensors '06), September 2006, Goteborg, Sweden, pp. T3C-O4

- [C.128] S. D'Amico, M. De Matteis, A. Baschirotto
"A 6.4mW, 4.9nV/sqrt(Hz), 24dBm IIP3 VGA for a Multi-Standard (WLAN, UMTS, GSM, and Bluetooth) Receiver"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 82-85
- [C.129] V. Giannini, J. Craninckx, J. Compiet, B. Come, S. D'Amico, A. Baschirotto
"Flexible Baseband Low-Pass Filter and Variable Gain Amplifier for Software Defined Radio Front End"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 203-206
- [C.130] S. Bianchi, M. Signini, A. Baschirotto, I. Bietti, C. Bona, A. Canobbio, M. Introini, E. Sacchi, R. Castello
"A 5mA CMOS FM Front-End with 39 dB IRR and 52 dB Channel Selectivity"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 207-210
- [C.131] M. Grassi, P. Malcovati, A. Baschirotto
"An Uncalibrated 141dB Dynamic-Range CMOS Gas-Sensor Interface with 16-Bit Digital Output"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland, pp. 235-238
- [C.132] S. D'Amico, J. Ryckaert, A. Baschirotto
"A Up-to-1GHz Low-Power Baseband Chain for UWB Receiver"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 263-266
- [C.133] L. Picolli, A. Rossini, P. Malcovati, F. Maloberti, A. Baschirotto
"A Clock-Less 10-Bit Pipeline A/D Converter for Self-Triggered Sensors"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 384-387
- [C.134] N. Ghittori, A. Vigna, P. Malcovati, S. D'Amico, A. Baschirotto
A 1.2-V, 600-Ms/S, 2.4-mW DAC for WLAN 802.11 and 802.16 Wireless Transmitters
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 404-407
- [C.135] D. Stoppa, A. Simoni, A. Baschirotto, M. Vatteroni, A. Sartori
"A 120-dB Dynamic Range CMOS Image Sensor with Programmable Power Responsivity"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – 420-423
- [C.136] F. Borghetti, J. Hammel Nielsen, V. Ferragina, P. Malcovati, P. Andreani, A. Baschirotto
"A Programmable 10b Up-to-6MS/s SAR-ADC Featuring Constant-FoM with on-Chip Reference Voltage Buffers"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 500-503
- [C.137] N. Massari, M. Gottardi, A. Baschirotto
"A 3.3V CMOS Charge-Pumping Offset-Compensated Optical Charge-Mixer with 3% Phase Accuracy"
ESSCIRC 2006, 32nd European Solid-State Circuits Conference, 18 - 22 September 2006, Montreux, Switzerland – pp. 560-563
- [C.138] M. Grassi, A. Lombardi, V. Ferragina, P. Malcovati, S. Capone, L. Francioso, P. Siciliano, A. Baschirotto
"Gas-Sensor Interface Circuit Based on Calibration Free Novel Frequency Measurement Approach with 16-Bit Digital Output"
5th IEEE International Conference on Sensors (Sensors '06), Daegu, Korea, pp. 220-223, October 2006

2007

- [C.139] T. Fu, G. Dolmans, O. Rousseaux, L. Huang, B. Gyselinckx, J. Ryckaert, S. D'Amico, A. Baschirotto
"Radio Design for Ultra Low-Power and Ultra-Wideband Wireless Sensor Nodes"
4th European Conference on Wireless Sensor Networks (EWSN 2007) – January, 29-31, 2007 – Delft, The Netherlands – pp. 27-28

- [C.140] A. Baschirotto, E. Dallago, V. Ferragina, M. Ferri, M. Grassi, P. Malcovati, M. Marchesi, E. Melissano, M. Morelli, A. Rossini, S. Ruzza, P. Siciliano and G. Venchi,
“A CMOS 2D Micro-Fluxgate Earth Magnetic Field Sensor with Digital Output”
IEEE International Solid-State Circuits Conference (ISSCC 2007) Digest of Technical Papers, San Francisco, USA, pp. 390-391, February 2007.
- [C.141] J. Craninckx, M. Liu, D. Hauspie, V. Giannini, T. Kim, J. Lee, M. Libois, B. Debaillie, C. Soens, M. Ingels, A. Baschirotto, J. Van Driessche, L. Van der Perre, P. Vanbekbergen
“A Fully Reconfigurable Software-Defined Radio Transceiver in 0.13 μ m CMOS”
IEEE International Solid-State Circuits Conference (ISSCC 2007) Digest of Technical Papers, San Francisco, USA, pp. 346-347, February 2007.
- [C.142] G. Matarrese, C. Marzocca, F. Corsi, S. D'Amico, A. Baschirotto
“Experimental Validation of a Tuning Algorithm for High-Speed Filters”
Design, Automation & Test in Europe Conference & Exhibition, 2007 (DATE '07) April 2007, pp. 1-6
- [C.143] S. A. Jawed, M. Gottardi, N. Massari, and A. Baschirotto
“A low-voltage bootstrapping technique for capacitive MEMS sensors interface”
IEEE Instrumentation and Measurement Technology Conference, IMTC 2007, Warsaw, Poland, May, 1-3, 2007
- [C.144] M. Grassi, P. Malcovati, L. Francioso, P. Siciliano, and A. Baschirotto
“Integrated interface circuit with multiplexed input and digital output for a 5x5 SnO₂ gas-sensor matrix”
14th International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducers 2007) – Lyon (France), June, 10-14, 2007 – pp. 2023-2026
- [C.145] N. Viarani, N. Liberatore, A. J. Syed, M. Gottardi, N. Massari, C. Corsi, and A. Baschirotto
“A 16-cell 80dB dynamic-range auto-ranging read-out array for un-cooled IR micro-bolometers”
14th International Conference on Solid-State Sensors, Actuators, and Microsystems (Transducers 2007) – Lyon (France), June, 10-14, 2007 – pp. 1361-1364
- [C.146] S. A. Jawed, M. Gottardi, and A. Baschirotto
“A Low-Power High Dynamic-Range Sigma-Deltamodulator for a capacitive microphone sensor”
Ph.D. Research In Micro-Electronics & Electronics Conference (PRIME 2007) – Bordeaux (France) – July, 2-5, 2007 – pp. 129-132
- [C.147] V. Ferragina, M. Ferri, M. Grassi, A. Rossini, and P. Malcovati, and A. Baschirotto
“A 12.4 ENOB Incremental A/D Converter for High-Linearity Sensors Read-Out Applications”
IEEE International Symposium on Circuits and Systems (ISCAS2007) – New Orleans (U.S.A.), May 2007 – pp. 3582-3585
- [C.148] M. De Matteis, S. D'Amico, A. Baschirotto
“A 600mV 3.6mW 68dB DR 4-th Order Analog Base Band Filter for WLAN Receivers”
IEEE International Symposium on Circuits and Systems (ISCAS2007) – New Orleans (U.S.A.), May 2007 – pp. 3542-3545
- [C.149] A. Baschirotto, S. D'Amico, M. De Matteis, F. Grancagnolo, M. Panareo, R. Perrino, G. Chiodini, G. Tassielli
“A CMOS high-speed front-end for cluster counting techniques in ionization detectors”
2nd IEEE International Workshop on Advances in Sensors and Interfaces (IWASI 2007) – June, 26-27, 2007 – Bari (Italy)
- [C.150] P. Delizia, S. D'Amico, A. Baschirotto.
“A Readout Circuit in 0.35 μ m CMOS Technology for Lab-on-a-Chip Applications”
2nd IEEE International Workshop on Advances in Sensors and Interfaces (IWASI 2007) – June, 26-27, 2007 – Bari (Italy)
- [C.151] S.A. Jawed, D. Cattin, N. Massari, M. Gottardi, B. Margesin, A. Baschirotto
“A simplified modeling approach for a MEMS capacitive sensor”
18th European Conference on Circuit Theory and Design, 2007. ECCTD 2007 - 27-30 Aug. 2007 – pp.112 - 115
- [C.152] S. D'Amico, A. Baschirotto, K. Philips, J. Van der Tang, G. Dolmans, T. Fu, O. Rousseaux, H. Pflug, B. Gyselinx
“RF and Base-Band circuit blocks for LR-UWB receivers”
IEEE International Conference on Ultra-Wideband, 2007. ICUWB 2007. 24-26 Sept. 2007 – pp.158 - 161

- [C.153] G. Dolmans, O. Rousseaux, Li Huang, Ting Fu, B. Gyselinkx, S. D'Amico, A. Baschirotto, J. Ryckaert, B. van Poucke
"UWB Radio Transceivers For Ultra Low Power and Low Data Rate Communications"
International Conference on Ultra-WideBand (ICUWB2007), 2007, Singapore (China).
- [C.154] M. De Matteis, S. D'Amico, V. Giannini, A. Baschirotto
"A 550mV 8dBm IIP3 4th Order Analog Base Band Filter for WLAN Receivers"
33rd European Solid-State Circuits Conference (ESSCIRC2007), 11-13 September 2007, Munchen (Germany) – pp. 504 - 507
- [C.155] S. D'Amico, M. De Matteis, A. Baschirotto, N. Ghittori, A. Vigna, P. Malcovati,
"A 5nV/SQRT(Hz)-IRN, 78dB-Gain-Range, 78dB-DR Multi-Standard Baseband Chain for Bluetooth, UMTS and WLAN"
33rd European Solid-State Circuits Conference (ESSCIRC2007), 11-13 September 2007, Munchen (Germany) – pp. 440-443
- [C.156] M. Ferri, A. Rossini, M. Marchesi, A. Baschirotto, G. Venchi, E. Dallago, and P. Malcovati
"A CMOS 2D micro-fluxgate earth magnetic field detecting system with RS232 digital output"
IEEE Sensors, 2007 October, Atlanta (USA), October, 28-31, 2007 - pp. 240-243

2008

- [C.157] S. D'Amico, M. De Matteis, A. Baschirotto
"A 6th-Order 100µA 280MHz Source-Follower-Based Single-loop Continuous-Time Filter"
IEEE International Solid-State Circuits Conference, 2008. ISSCC 2008. Digest of Technical Papers. 3-7 Feb. 2008 – pp. 72-73 & 596
- [C.158] V. Giannini, P. Nuzzo, V. Chironi, A. Baschirotto, G. Van der Plas, J. Craninckx
"An 820µW 9b 40MS/s Noise-Tolerant Dynamic-SAR ADC in 90nm Digital CMOS"
IEEE International Solid-State Circuits Conference, 2008. ISSCC 2008. Digest of Technical Papers. 3-7 Feb. 2008 – pp. 238 – 610
- [C.159] S.A. Jawed, D. Cattin, M. Gottardi, N. Massari, R. Oboe, A. Baschirotto
"A low-power interface for the readout and motion-control of a MEMS capacitive sensor"
10th IEEE International Workshop on Advanced Motion Control, 2008. AMC '08 - 26-28 March 2008 – pp. 122 – 125
- [C.160] M. De Matteis, S. D'Amico, A. Baschirotto
"Advanced Analog Filters for Telecommunications"
Design, Automation and Test in Europe, 2008. DATE '08 - 10-14 March 2008 pp. 1316 - 1321
- [C.161] P. Delizia, M. De Matteis, S. D'Amico, A. Baschirotto
"Design Procedure for DVB-T Receivers Large Tuning Range LP Filter"
IEEE International Symposium on Circuits and Systems (ISCAS2008) – Seattle (U.S.A.), May 2008
- [C.162] R. Perrino, 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"
10th International Conference on instrumentation for colliding beam physics (INSTR08), Novosibirsk (Russia).
- [C.163] A. Cito, M. De Matteis, S. D'Amico, A. Baschirotto, P. Delizia, R. Reis, W. Zhao, C. Azeredo-Leme, A. Tavares
"A CMOS 90nm 15.6mW 20dBm In Band IIP3 Analog Baseband Chain for UWB Receivers"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Instambul (Turkey) – pp. 213-216
- [C.164] P. Delizia, S. D'Amico, A. Baschirotto
"A 150µW-11b Readout Circuit for Lab on a chip Applications"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Instambul (Turkey) – pp.193-196
- [C.165] A. Cito, M. De Matteis, S. D'Amico, A. Baschirotto, P. Delizia, R. Reis, W. Zhao, C. Azeredo-Leme, A. Tavares
"A CMOS 90nm 4mW 15dBm IIP3 Baseband Programmable Gain Amplifier for UWB Receivers"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Instambul (Turkey).

- [C.166] M. De Matteis, S. D'Amico, A. Baschirotto, P. Delizia, C. Azeredo-Leme, A. Tavares
"A 90nm CMOS 1.8mW 87dB SNR 3rd Order Analog Filter for GSM Receiver"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Istanbul (Turkey) –pp.173-176
- [C.167] A. Lombardi, M. Grassi, L. Bruno, P. Malcovati, A. Baschirotto
"An interface circuit for temperature control and read-out of metal oxide gas sensors"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Istanbul (Turkey) - June 22-25 2008, pp.197 - 200
- [C.168] S.A. Jawed, D. Cattin, N. Massari, M. Gottardi, A. Baschirotto
"A MEMS microphone interface with force-balancing and charge-control"
Ph. D. Research in MicroElectronics and Electronics (PRIME 2008), 2008, Istanbul (Turkey) - June 22-25 2008, pp. 97 - 100
- [C.169] L. Picolli, P. Malcovati, L. Crespi, F. Chaahoub, A. Baschirotto
"A 90nm 8b 120Ms/s-250Ms/s Pipeline ADC"
European Solid State Circuits Conference (ESSCIRC2008) – Edinburgh, 16-19 Sept. 2008 –pp. 266-269
- [C.170] S. A. Jawed, D. Cattin, M. Gottardi, N. Massari, A. Baschirotto, A. Simoni
"A 828µW 1.8V 80dB Dynamic-Range Readout Interface for a MEMS capacitive Microphone"
European Solid State Circuits Conference (ESSCIRC2008) – Edinburgh, 16-19 Sept. 2008 – pp. 442-445
- [C.171] A. Lombardi, M. Grassi, L. Bruno, P. Malcovati, A. Baschirotto
"A Fully Integrated Interface Circuit for 1.5°C Accuracy Temperature Control and Read-Out of MOX Gas Sensors"
European Solid State Circuits Conference (ESSCIRC2008) – Edinburgh, 16-19 Sept. 2008 – pp. 78-81
- [C.172] I. Di San Carlo, D. Giotta, A. Baschirotto, R. Gaggi
"A 65-nm 84-dB-gain 200-MHz-UGB CMOS Fully-Differential Three-Stage Amplifier with a Novel Common Mode Control"
European Solid State Circuits Conference (ESSCIRC2008) – Edinburgh, 16-19 Sept. 2008 – pp. 314-317
- [C.173] A. Lombardi, L. Bruno, M. Grassi, P. Malcovati, S. Capone, L. Francioso, P. Siciliano, A. Baschirotto
"Integrated Read-Out and Temperature Control Interface with Digital I/O for a Gas-Sensing System Based on a SnO₂ Microhotplate Thin Film Gas Sensor"
IEEE Sensor2008 - Lecce 2008 – pp. 596-599
- [C.174] P. Delizia, S. D'Amico, A. Baschirotto, M. Scandiuzzo, M. Sergio, N. Manaresi, G. Medoro
"A 640x480 Active Chip for Cell Detection with 11b Digital Output"
IEEE Sensor2008 - Lecce 2008 – pp. 1265-1268

2009

- [C.175] M. Bennati, F. Thei, M. Rossi, M. Crescentini, G. D'Avino, A. Baschirotto, M. Tartagni
"Sub-pA Delta-Sigma current amplifier for single molecule nanosensors"
International Solid State Circuits Conference (ISSCC09) – pp.348-349
- [C.176] M. Crescentini, M. Rossi, M. Bennati, F. Theil, A. Baschirotto, and M. Tartagni
"A Nanosensor Interface Based on Delta-Sigma Arrays"
4th IEEE International Workshop on Advances in Sensors and Interfaces (IWASI 2008), 2007 – Bari (Italy) – pp. 163-167
- [C.177] S. D'Amico, M. De Matteis, A. Baschirotto
"Source-Follower-Based Continuous Time Analog Filters"
Workshop on Advances in Analog Circuit Design (AACD '09) – Lund (Sweden) – April 2009
- [C.178] S. D'Amico, A. Baschirotto, K. Philips, O. Rousseaux, B. Gyselinckx
"A 240MHz Programmable Gain Amplifier & Filter for Ultra Low Power Low-Rate UWB receivers"
European Solid State Circuits Conference (ESSCIRC2009) – Athens, September 2009 – pp.260-263
- [C.179] S. A. Jawed, J. H. Nielsen, M. Gottardi, A. Baschirotto, E. Bruun
"A Multifunction Low-Power Preamplifier for MEMS Capacitive Microphones"
European Solid State Circuits Conference (ESSCIRC2009) – Athens, September 2009 – pp. 292-295
- [C.180] A. Baschirotto, V. Chironi, G. Cocciolo, S. D'Amico, M. De Matteis, P. Delizia
"Low Power Analog Design in Scaled Technologies" – Invited Paper
Topical Workshop on Electronics for Particle Physics (TWEPP-09), 21 – 25 September 2009, in Paris, France.

- [C.181] M. Ferri, A. Surano, A. Rossini, P. Malcovati, E. Dallago and A. Baschirotto
"Low-Voltage Fluxgate Magnetic Current Sensor Interface Circuit with Digital Output for Portable Applications"
Proceedings of IEEE International Conference on Sensors (Sensors '09), Christchurch, New Zealand, pp. 79-82, October 2009
- [C.182] S. D'Amico, M. De Matteis, F. Grancagnolo, M. Panareo, R. Perrino, G. Chiodini, A. Corvaglia, G. Cocciolo, A. Baschirotto
"A Low Power 0.13 μ m ADC for Drift Chambers"
Proceedings of IEEE International Conference on Electronics, Circuits and Systems (ICECS '09), Hammamet, Tunisia, pp. 407-410, December 2009
- [C.183] S. D'Amico, M. De Matteis, F. Grancagnolo, M. Panareo, R. Perrino, G. Chiodini, A. Corvaglia, G. Cocciolo, A. Baschirotto
"A 0.13 μ m CMOS VGA for Drift Chambers"
Proceedings of IEEE International Conference on Electronics, Circuits and Systems (ICECS '09), Hammamet, Tunisia, pp. 936-939, December 2009
- [C.184] M. De Matteis, T. Vergine, G. Cocciolo, A. Baschirotto, M. Conta
"A Programmable Active-RC Complex Filter for Wireless Communications"
Proceedings of IEEE International Conference on Electronics, Circuits and Systems (ICECS '09), Hammamet, Tunisia, pp. 187-190, December 2009
- [C.185] M. De Matteis, S. D'Amico, P. Andriulo, G. Cocciolo, A. Baschirotto
"A 4th-Order CMOS 65nm Wideband Low Power Analog Filter for Wireless Receivers"
Proceedings of IEEE International Conference on Electronics, Circuits and Systems (ICECS '09), Hammamet, Tunisia, pp. 194-197, December 2009

2010

- [C.186] V. Chironi, B. Debaillie, A. Baschirotto, J. Craninckx, and M. Ingels,
"A Compact Digital Amplitude Modulator in 90 nm CMOS"
(DATE 2010), 08 February 2010, pp. 702 –705.
- [C.187] V. Chironi, B. Debaillie, A. Baschirotto, J. Craninckx, and M. Ingels,
"An Area Efficient Digital Amplitude Modulator in 90 nm CMOS,"
International Symposium on in Circuits and Systems (ISCAS2010), 30 May 2010., pp. 2219-2222
- [C.188] L. Piccoli, L. Crespi, F. Chaahoub, P. Malcovati, A. Baschirotto
"A 1.6-GHz, 54-dB signal-to-noise and distortion ratio pipeline A/D converter "
International Symposium on in Circuits and Systems (ISCAS2010), 30 May 2010 – pp.1735-1738
- [C.189] P. Delizia, G. Saccomanno, S. D'Amico, A. Baschirotto
"A 10-b 100-MS/s pipelined ADC with an optimized bit-stage resolution in 65nm CMOS technology"
International Symposium on in Circuits and Systems (ISCAS2010), 30 May 2010 – pp. 4033-4036
- [C.190] M. De Blasi, P. Delizia, A. Baschirotto,
"A 16 bit 20 kHz bandwidth Discrete time Sigma-Delta Modulator with VCO-based Quantizer",
Analog VLSI Workshop (AVLSIWS 2010), Pavia 8-10 September 2010, Italy.
- [C.191] S. D'Amico, Cocciolo G., M. de Matteis, A. Baschirotto,
"A 6.9mA 5bits 90nm 1Gs/s ADC without calibration".
Analog VLSI Workshop (AVLSIWS 2010), Pavia 8-10 September 2010, Italy.
- [C.192] G. Cocciolo, S. D'Amico, M. de Matteis, M. Panareo, A. Corvaglia, A. Baschirotto,
"A low power front-end for drift chambers".
Analog VLSI Workshop (AVLSIWS 2010), Pavia 8-10 September 2010, Italy.
- [C.193] D. Cartasegna, P. Malcovati, L. Crespi and A. Baschirotto
"Audio Class-D Amplifier Structures: A Design Methodology"
IEEE International Analog VLSI Workshop, Pavia, Italy, pp. 53-58, September 2010
- [C.194] C. Zhou, P. Harpe, S. Rampu, X. Wang, S. D'Amico, A. Baschirotto, K. Philips, G. Dolmans, H. de Groot
"A 56 μ W VGA with 5MHz Bandwidth and 47dB Gain-Range in 90nm CMOS"
International Symposium on VLSI Design Automation and Test (VLSI-DAT 2010), pp. 91-94

- [C.195] A. Baschirotto, G. Bollati, V. Colonna, G. Gandolfi
"A 94dB-SNR -76dB-THD high-efficiency hybrid audio power-DAC for loudspeaker (4Ω/8Ω) and earphone (16Ω/32Ω)"
European Solid State Circuits Conference (ESSCIRC2010) –September 2009 – pp.226-229

2011

- [C.196] S. D'Amico, A. Spagnolo, A. Donno, P. Wambacq, A. Baschirotto,
"A 9.5mW analog baseband RX section for 60GHz communications in 90nm CMOS"
IEEE Radio Frequency Integrated Circuits Symposium (RFIC2011) – paper RTUIF-2
- [C.197] M. De Matteis, A. Pezzotta, A. Baschirotto
"4 -Order 84dB-DR CMOS-90nm low-pass filter for WLAN receivers"
IEEE International Symposium on Circuits and Systems (ISCAS2011) - pp. 1644 – 1647
- [C.198] F. Conso, M. Grassi, P. Malcovati and A. Baschirotto
"A Very High Dynamic Range Interface Circuit for Resistive Gas Sensor Matrix Read-Out"
IEEE International Symposium on Circuits and Systems (ISCAS 2011), Rio de Janeiro, Brazil, pp. 2209-2212, May 2011, pp. 2209-2212
- [C.199] A. Costantini, G. Cavallera, A. Pepino, M. DeMatteis, G. Cocciolo, M. De Blasi, S. D'Amico, P. Visconti, A. Baschirotto
"A CMOS low-power SoC for HID and LED lamps ballast"
7th Conference on Ph.D. Research in Microelectronics and Electronics (PRIME 2011) – pp. 109 - 112
- [C.200] S. Cliquennois, A. Donida, P. Malcovati, A. Baschirotto, and A. Nagari
"A 65-nm, 1-A Buck Converter with Multi-Function SAR-ADC-Based CCM/PSK Digital Control Loop"
European Solid-State Circuits Conference (ESSCIRC11) – Helsinki, Sept. 2011 – pp 427-430
- [C.201] D. Cartasegna, P. Malcovati, L. Crespi, K. Lee, L. Murukutla, and A. Baschirotto
"An Audio 91-dB THD Third-Order Fully-Differential Class-D Amplifier"
European Solid-State Circuits Conference (ESSCIRC11) – Helsinki, Sept. 2011 – pp. 91-94
- [C.202] S. D'Amico, G. Cocciolo, M. De Matteis, A. Baschirotto
"A 7.65mW 5bits 1Gs/s folded-interpolated ADC without calibration"
European Solid-State Circuits Conference (ESSCIRC11) – Helsinki, Sept. 2011 – pp. 151-154
- [C.203] M. Ingels, V. Chironi, B. Debaillie, A. Baschirotto, J. Craninckx
"An Impedance Modulated Class-E Polar Amplifier in 90 nm CMOS"
IEEE 2011 Asian Solid State Circuits Conference (ASSCC11), pp. 285-288
- [C.204] A. Baschirotto, G. Cocciolo, M. De Matteis, A. Giachero, C. Gotti, M. Maino, G. Pessina
"A fast and low noise charge sensitive preamplifier in 90 nm CMOS technology"
Topical Workshop on Electronics for Particle Physics (TWEPP-11)
- [C.205] M. De Matteis₁, M. De Blasi₁, G. Cocciolo₁, A. Baschirotto₂, M. Sabatini₃
"A 1V 115μW 20nV/√Hz 15-50dB-Range PGA with 5MHz Bandwidth for UWB Personal Area Network"
IEEE International Conference on Electronics, Circuits and Systems (ICECS '11) - Beirut (Lebanon) - December 2011, pp 77-80
- [C.206] M. De Matteis, G. Cocciolo, M. De Blasi, A. Baschirotto
"A 1.3mW CMOS 65nm 4th Order 52dB-DR Continuous-Time Analog Filter for DVB-T Receivers"
IEEE International Conference on Electronics, Circuits and Systems (ICECS '11) - Beirut (Lebanon) - December 2011, pp. 21-24
- [C.207] X. Wang, K. Philips, C. Zhou, B. Busze, H. Pflug, A. Young, J. Romme, P. Harpe, S. Bagga, S. D'Amico, M. De Matteis, A. Baschirotto, H. de Groot
"A high-band IR-UWB chipset for real-time duty-cycled communication and localization systems"
2011 IEEE Asian Solid State Circuits Conference (A-SSCC 2011), pp. 381-384

2012

- [C.208] P. Malcovati, M. Belloni, F. Gozzini, C. Bazzani, A. Baschiroto
“A 0.18 μ m CMOS 91%-Efficiency 0.1-to-2A Scalable Buck-Boost DC-DC Converter for LED Drivers”
IEEE International Solid State Circuits Conference (ISSCC2011) – San Francisco, Feb. 2012, pp.280-282
- [C.209] M. Bersanelli, A. Mennella, G. Morgante, M. Zannoni, G. Addamo, A. Baschiroto, P. Battaglia, A. Bau, B. Cappellini, F. Cavaliere, F. Cuttaia, F. Del Torto, S. Donzelli, Z. Farooqui, M. Frailis, C. Franceschet, E. Franceschi, T. Gaier, S. Galeotta, M. Gervasi, A. Gregorio, P. Kangaslahti, N. Krachmalnico, C. Lawrence, G. Maggio, R. Mainini, D. Maino, N. Mandolesi, B. Paroli, A. Passerini, O. A. Peverini, S. Poli, S. Ricciardi, M. Rossetti, M. Sandri, M. Seiart, L. Stringhetti, A. Tartari, R. Tascone, D. Tavagnacco, L. Terenzi, M. Tomasi, E. Tommasi, F. Villa, G. Virone, A. Zacchei
“A coherent polarimeter array for the Large Scale Polarization Explorer balloon experiment”
Proceedings of the SPIE Astronomical Telescopes + Instrumentation 2012 Conference - Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy VI - Amsterdam 1-6 July 2012
- [C.210] M Grassi, P Malcovati, A Baschiroto
“A Very Large Dynamic Range Integrated Interface Circuit for Heterogeneous Resistive Gas Sensors Matrix Read-Out”
Sensors and Microsystems, 2012 – Springer
- [C.211] M. De Matteis, G. Cocciolo, S. D'Amico, A. Baschiroto, M. Sabatini
“A 115 μ W UWB Programmable Gain Amplifier for intelligent tire personal area network”
IEEE International Symposium on Circuits and Systems (ISCAS2012) – pp. 1500-1503
- [C.212] P. Visconti, S. D'Amico, A. Baschiroto, D. Romanello, P. Costantini, V. Ventura, and G. Cavalera
“Bidirectional Communication System on Power Line Integrated on Electronic Board for Driving of LED and HID Lamps”
Advances in Power Electronics, Volume 2012 (2012)
- [C.213] F. Conso, M. Grassi, P. Malcovati, A. Baschiroto
“Reconfigurable integrated wide-dynamic-range read-out circuit for MOX gas-sensor grids providing local temperature regulation”
IEEE Sensors 2012 - Taipei (Taiwan) - Oct. 2012