

LISTA LUCRĂRILOR PUBLICATE

As.dr.ing. Gál János

Lista lucrărilor relevante

- [1] **Janos GAL**, Marius SĂLĂGEAN, Mirela BIANU, Ioan NAFORNIȚĂ, „The Instantaneous Frequency Determination for Signals with Polynomial Phase using Kalman Filtering”, *Proceedings of the Symposium on Electronics and Telecommunications, Fifth edition*, September 19-20, 2002, vol. I, pag. 186-189
- [2] **János Gal**, Andrei Campeanu, Ioan Naforrita “Estimation of Noisy Sinusoids Instantaneous Frequency by Kalman Filtering”, Tom 51(65), Fascicola 2, *Buletinul Științific al Universității "Politehnica" din Timișoara*, pg. 69-72, 2006
- [3] **Gal, J.**, Campeanu, A., Naforniță, I., „Estimation of Chirp Signals in Gaussian Noise by Kalman Filtering”, *Proceedings of International Symposium on Signals, Circuits and Systems, ISSCS 2007* July 2007, Iași Romania pp. 299-302.
- [4] **Gal J.**, Câmpeanu A., Naforniță I., „Identification of Polynomial Phase Signals by Extended Kalman Filtering”, *Proceedings of EUSIPCO 2008, 16th European Signal Processing Conference organised by EURASIP*, August 25-29, Lausanne, Switzerland, pp. 405-409
- [5] **János Gál**, Andrei Câmpeanu, Ioan Naforniță, „Kalman Noncoherent Detection of CPFSK Signal”, *The 8th International Conference on Communication "COMM 2010"*, 10-12 June 2010, Bucuresti, pag. 65-68
- [6] **János Gál**, Andrei Câmpeanu, Ioan Naforniță, „The estimation of chirp signals parameters by an extended Kalman filtering algorithm”, *International Symposium on Signals, Circuits and Systems ISSCS 2011*, June 30 – July 1, 2011, Iasi, pg. 257-260.

Teza de doctorat

- [1] **Gál János**, „Contribuții privind utilizarea filtrarea Kalman în telecomunicații”, Universitatea POLITEHNICĂ Timișoara, 2010

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- [1] Andrei Câmpeanu, **Gál János**, *Metode adaptive de prelucrare a semnalelor*, Editura Politehnică Timișoara, 2009, ISBN: 978-973-625-605-9

Articole publicate în volumele unor conferințe și simpozioane naționale

- [1] **Janos GAL**, Mirela BIANU, Andrei CÂMPEANU „A New Class of Linear Phase FIR Filters Designed by a Modified IRLS Algorithm”, *Proceedings of the Symposium on Electronics and Telecommunications, Fifth edition*, September 19-20, 2002, vol. I, pag. 202-205
- [2] Cristian CHIONCEL, **Janos GAL**, „Parameter estimation of the chirp signal”, *Proceedings of the Symposium on Electronics and Telecommunications, Sixth edition*, October 22-23, 2004, vol. II, pag. 87-90

- [3] **Janos GAL**, Corina NAFORNITA, Andrei CAMPEANU, „Lowpass Active Filter Synthesis Based on Mesh Current Emulation of LC Ladder Network”, *Proceedings of the Symposium on Electronics and Telecommunications*, Sixth edition, October 22-23, 2004, vol. I, pag. 164-167
- [4] A. Câmpeanu, **J. Gall**, „Design of Active Filters Simulating Mesh Current Equation of LC Ladder Filters”, *Proceedings of International Symposium on Signals, Circuits and Systems, ISSCS 2005* July 2005, Iași Romania, pp. 335-338
- [5] A. Campeanu, **J. Gal** „OTA-C Biquad Cells Emulation of LC Ladder Filters”, *Proceedings of the Symposium on Electronics and Telecommunications, Seventh edition*, September 21-22, Timișoara, 2006, vol. I, pag. 154-157
- [6] **Gal, J.**, Campeanu, A., „Active Filter Mesh Currents Emulation of LC Ladder Filters”, *Proceedings of the 1st Workshop on Electromagnetic Compatibility*, May 2007, Timișoara, pp. 28-31.
- [7] Câmpeanu, A., **Gal, J.**, „LC-Ladder Filters Emulated by Circuits with Current Controlled Conveyors and Grounded Capacitors”, *Proceedings of International Symposium on Signals, Circuits and Systems, ISSCS 2007* July 2007, Iași Romania pp. 521-524.
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- [9] Câmpeanu, A., **Gal, J.**, „Building Universal Current-mode Biquad Active Filters using CMOS Linear Transconductance Elements” *4th European Conference on Circuits and Systems for Communications (ECCSC08)* July 10-11 2008 Politehnica University Bucharest Romania pg 63-67
- [10] **János Gál**, Andrei Câmpeanu, Ioan Naforniță, „Noncoherent Demodulation of Continuous Phase Modulation Signals using Extended Kalman Filtering”, *OPTIM 2010 – 12th International Conference on Optimization of Electrical and Electronic Equipment*, Brasov, 20-22 mai 2010, pg. 65-68.

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- [1] Câmpeanu, A., **Gal, J.**, „OTA-C Coupled-Biquad Filter Cells Implementation of LC Ladder Filter”, *30th International Conference on Fundamentals of Electrotechnics and Circuit Theory IC-SPETO 2007*, Gliwice, Poland, 23-25. 05. 2007, pg.93-94
- [2] Campeanu A, **Gal J**, „Systematic Implementation Method of LC-ladder Filters by MO-CCCII Circuits”, *Proceedings of the 5th International Conference on Electrical and Electronics Engineering ELECO’07*, Bursa, Turkey, December, 2007, pg.98-102
- [3] A. Câmpeanu, **J. Gál**, “High-Order QAM Fast Carrier Synchronization by an Adaptive Decision-Directed EKF Algorithm”, *34th International Conference on Telecommunications and Signal Processing, TSP 2011*, August 18-20, 2011, Budapest, Hungary accepted

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- [2] **János Gal**, Andrei Câmpeanu, Ioan Nafornita “A Kalman Filtering Algorithm for the Estimation of Chirp Signals in Gaussian Noise” Tom 52(66), Fascicula 2, *Buletinul Științific al Universității “Politehnica” din Timișoara*, pg.35-38, 2007

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- [4] **János Gal**, Andrei Câmpeanu, Ioan Nafornita, „Estimation of Chirp Signals by Extended Kalman Filtering” Vol. 54(68) No. 1, *Buletinul Științific al Universității "Politehnica" din Timișoara* pg.9-13, 2009