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2012 Mediterranean Conference on Embedded Computing, MECO 2012

2012, 301p

1st Mediterranean Conference on Embedded Computing, MECO 2012; Bar, Montenegro; 19 June 2012 through 21 June 2012;  
Category numberCFP11CBM-ART; Code 93002

## 2012 Mediterranean Conference on Embedded Computing, MECO 2012

([Conference Review](#))

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### Abstract

The proceedings contain 73 papers. The topics discussed include: lowest complexity adaptive rank filter for FPGA implementation; application-specific network-on-chip with link aggregation; the comparative analysis of the efficiency of regular and pseudo-optimal topologies of networks-on-chip based on netmaker; simple fractional frequency synthesizers realization based on flying adder; automatic generation of coprocessor program from VHDL description; wavelet based processing of physiological signals for purposes of **embedded computing**; miniature sensor cell for gaseous and aerosol air pollutants; an OMI optical fiber as a mechanical sensor for high impact measurements; implementation of remote environmental monitoring system using RF modules with secure communication between devices; implementation of low cost liquid level sensor (LLS) using **embedded** system with integrated capacitive sensing ; and hardware-software system for simulation of hazardous gas releases.

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