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Nota di contenuto	(c)2012 IEEE - 2012 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2012) Proceedings [Copyright notice] -- Table of contents -- [Front matter] -- A 12-bit 50 MS/s pipelined ADC with power optimized strategy for ultrasonic imaging instruments -- Prototyping and testing a Debris Resistive Acoustic Grid Orbital Navy Sensor -- ADC test development tool kit -- A NMOS bulk voltage trimming offset calibration technique for a 6-bit 5GS/s Flash ADC -- Compact FPGA-based elaboration platform for wide-bandwidth electrochemical measurements -- A versatile built-in test architecture for integrated millimeter-wave radar receiver front-ends -- Instrumentation electronic data sheets: IEEE 1451-like extension to measuring systems -- Ambulatory human upper limb joint motion monitoring -- Improving the performance of cough sound discriminator in reverberant environments using microphone array.