**Energy Efficient System for Wireless Measurement of Biological Signals**

Project ID: PoC4\_12\_17-U-1

Website:

www.etfos.unios.hr/energetski-ucinkovit-sustav-za-bezicno-mjerenje-bioloskih-signala/

Lead beneficiary: Faculty of Electrical Engineering Osijek

Project leader: Dr. Tomislav Matić, Assistant Professor

Total project budget: 211,925.00 kn

Approved budget: 116,930.29 kn

Project duration: 1st January 2013 – 1st November 2013

Recognised centre: Business Incubator BIOS, Osijek

The aim of the project is to implement an energy efficient system for wireless measurement of biological signals. The major innovation of the proposed system lies in the direct application of the asynchronous sigma-delta modulator for digitalization and the UWB modulation technique for the transmission of the measured signal within a single wireless sensor node. After implementation of the system prototype, activities referring to patent protection and intellectual property sale will be performed.