

STATE OF THE ART IN MOBILE SYSTEMS' ENERGY MANAGEMENT AND EMBEDDED SOLUTIONS FOR IMPROVING THE ENERGY EFFICIENCY

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Abstract: *The present paper presents a state of the art for the mobile devices' energy management and a possible design for a new embedded control system used in this domain. The main goal is to make a study about the technology used in this field and to design a new concept, better than the ones that already exist. Thus, the designed control embedded system has to improve the fuel consumption, the viability and the availability of the mobile systems, has to be scalable and auto-adaptive and has to use sensor networks and embedded computers.*

Key words: *control, embedded system, energy management, alternative energy, super capacitors.*

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