



**“Gheorghe Asachi” Technical University of Iasi, Romania**



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## **ENVIRONMENTAL EDUCATION IN ELECTRICAL ENGINEERING**

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### **Abstract**

The need for sustainable development has added an environmental dimension to higher education programs in the field of Electrical engineering. The on-going process of integrating Electrical engineering with environmental practices provides excellent opportunities to analyze and develop new ways and methods in order to ensure environmental compliance and protection already at the early stages of engineering design. This paper presents an implementation of the Project-Oriented Education concept with the first two study series of Bologna undergraduates in the field of Environmental protection at Transilvania University of Braşov. The obtained results are based on two case studies which are discussed together with the outcomes of a student opinion survey. The study conclusion indicates a significant increase in the students’ interest regarding the approached problem area.

*Key words:* electromagnetic field, environment, ionizing radiation, project oriented education

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