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## WIRELESS SENSOR NETWORK FOR WILDLIFE MONITORING

**Alina-Mihaela Bădescu\*, Octavian Fratu, Alexandru Frujină,  
Simona Halunga, Ioana Marcu**

*Polytechnica University of Bucharest, Faculty of Electronics, Telecommunications and Information Technology, Department of  
Telecommunications, 1-3 Iuliu Maniu Blvd., Bucharest, Romania*

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### Abstract

This paper illustrates a detailed analysis of specific problems and limitations of a WSN designed for an environmental protection/wildlife tracking application. Since the main challenge in designing the network is energy minimization for activities that does not concern detection itself, we will concentrate on methods (and results) to achieve that. For data transmissions, physical and MAC layers were defined in ZigBee (IEEE 802.15.4) and WiFi (IEEE 802.11b) standards.

*Key words:* environmental, sensor, WiFi, wildlife, ZigBee

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\* Author to whom all correspondence should be addressed: e-mail: [alinabadescu@radio.pub.ro](mailto:alinabadescu@radio.pub.ro); Phone: +40723967698; Fax: +40213169622