

# Simulation of an Acoustic SONAR Communication Channel

Alina Ancuța ȘIPOȘ, Lăcrimioara GRAMA

## Abstract

*The subject of this paper is the sonar acoustic channel simulation based on the parameters involved in shaping it. A main interface was built through which various parameters can be changed. Both the transmission and the reception parts of a sonar system were simulated. The channel simulator takes into account physical aspects of acoustic propagation as well as the effects of inevitable random channel variations. Channel variations are classified into small-scale and large-scale.*

## Biography

Șipoș Alina Ancuța is a student at the Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology.

Alina Ancuța ȘIPOȘ, student  
Technical University of Cluj-Napoca  
Faculty of Electronics, Telecommunications and Information Technology  
26-28 G. Barițiu Street, 400027, Cluj-Napoca, ROMANIA  
E-mail: alina.sipos91@gmail.com

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