

## **ACOUSTICS2008/3505**

### **Perception of simple sounds from an emotional point of view**

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In sound perception the focus often lies in the cognitive aspect of the sound. We argue that the emotional aspect has to be added to get a fuller picture of sound perception. By using emotions as parameter in design of auditory alerts, one can reach a more accurate reaction to the alert. In this paper we studied the emotional connection to some attributes, common in music psychology, that are possible to describe by simple parameters. Short stimuli were created from these parameters in a factorial test design. The sounds were presented over headphones, with same signal fed to both ears, to 30 participants. The participants were asked to rate level of valence and activation, using a pictorial scale (SAM). Statistical differences was mostly found in ratings of activation, but differences were also shown in valence ratings. Results will be discussed in relation to theories of sound perception as well as music psychology.