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## **IMPACTS OF OUTDOOR NOISE ON TEACHING AND LEARNING ACTIVITIES**

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### **Abstract**

This paper presents a study concerning the noise level in an enclosure, perceived through the envelope of the building, as a result of the activities carried outside the enclosure. The building chosen for measurements was a teaching laboratory designed for applicative activities and equipped with installations and devices used in laboratory work.

To establish the sound pressure level transmitted from outside the building to inside, three types of noise sources were established: a diffuser, a group of people who discuss, and the rainfall intensity on the roof of the enclosure. Measurements were performed both inside and outside the building in different points. The impact on indoor activities due to noise from the outside has been evaluated. The results on the sound pressure level perceived inside the enclosure indicate that the sound pressure level varies depending on the intensity of the outdoor activities.

*Key words:* noise source, outdoor noise, transmitted noise, teaching activities

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