

# **Auralization of a heritage (UNESCO) civil gothic building: the “Lonja de la Seda”.**

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## **Summary**

The “Lonja de la Seda” (English "Silk Exchange") is a late Valencian Gothic style civil building in Valencia, Spain, built between 1482 and 1548, and one of the principal tourist attractions in the city. The UNESCO considered it as a World Heritage Site in 1996 since "the site is of outstanding universal value as it is a wholly exceptional example of a secular building in late Gothic style, which dramatically illustrates the power and wealth of one of the great Mediterranean mercantile cities." In this work we have modelled this building geometrically and acoustically. The acoustical calibration was made using 25 measurements. Its RT at mid-frequencies is 3.1 s with a volume of 12,100 m<sup>3</sup>. From this model we have made some virtual dynamic representations mixing voice and music.

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