



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

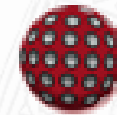


DIPARTIMENTO DI ARCHITETTURA

RESEARCH PROJECT SHARITAGE

UNIVERSITY OF BOLOGNA, DEPT. OF ARCHITECTURE
PRINCIPAL INVESTIGATOR: LAMBERTO TRONCHIN

PRINCIPAL INVESTIGATOR FOR SIPARIO PROJECT WWW.PROGETTOSIPARIO.ORG



SIPARIO

GENERAL CHAIR OF I3DA CONFERENCE WWW.I3DA.EU

PRESIDENT OF ITALIAN CHAPTER OF AES – AUDIO ENGINEERING SOCIETY

MEMBER OF THE BOARD OF THE EUROPEAN ASSOCIATION OF HISTORICAL THEATRES

ACADEMIC PAGE: [HTTPS://WWW.UNIBO.IT/SITOWEB/LAMBERTO.TRONCHIN/EN](https://www.unibo.it/sitoweb/lamberto.tronchin/en)

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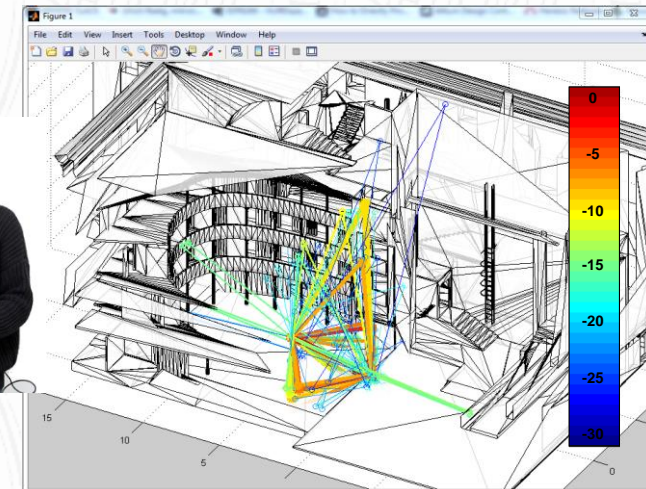
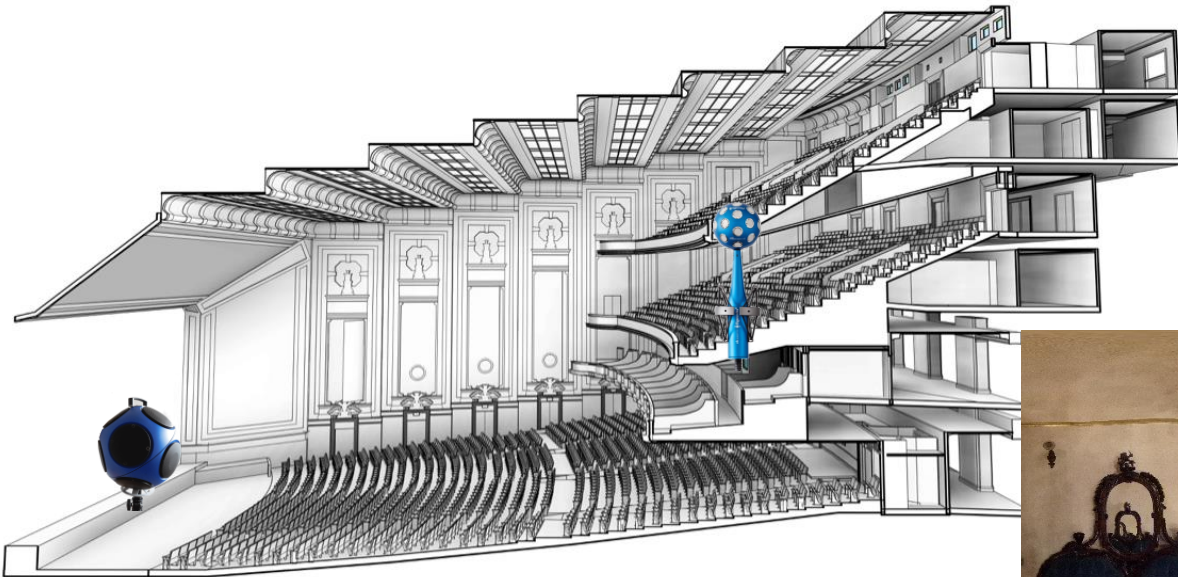
GOALS



DIPARTIMENTO DI ARCHITETTURA

- Capturing the **3DAcoustics** and **Architecture** of existing historical buildings
- Using a 3D **acoustical modelling software**, calibrated on the measured data, for recomputing the acoustical behaviour of the site in different **historical states** and **different locations** and with **new multiple directive sound sources**
- Realisation of a **visual and acoustic 3D model** of the site performing **real time rendering (video and audio)**, giving the user the experience of walking through the historical building and listening to sound and music being performed inside it

- Employing this technology for sharing and disseminating acoustic information among communities for a **more inclusive knowledge** of art and sound





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Prof. Ing. Lamberto Tronchin

DA - CIARM - University of Bologna

Via C. Pavese 50,

I-47521 Cesena, Italy

Tel: +39.0547.338356

Mob: +39 339 7735258

URL: www.fistecamb.com

email: lamberto.tronchin@unibo.it