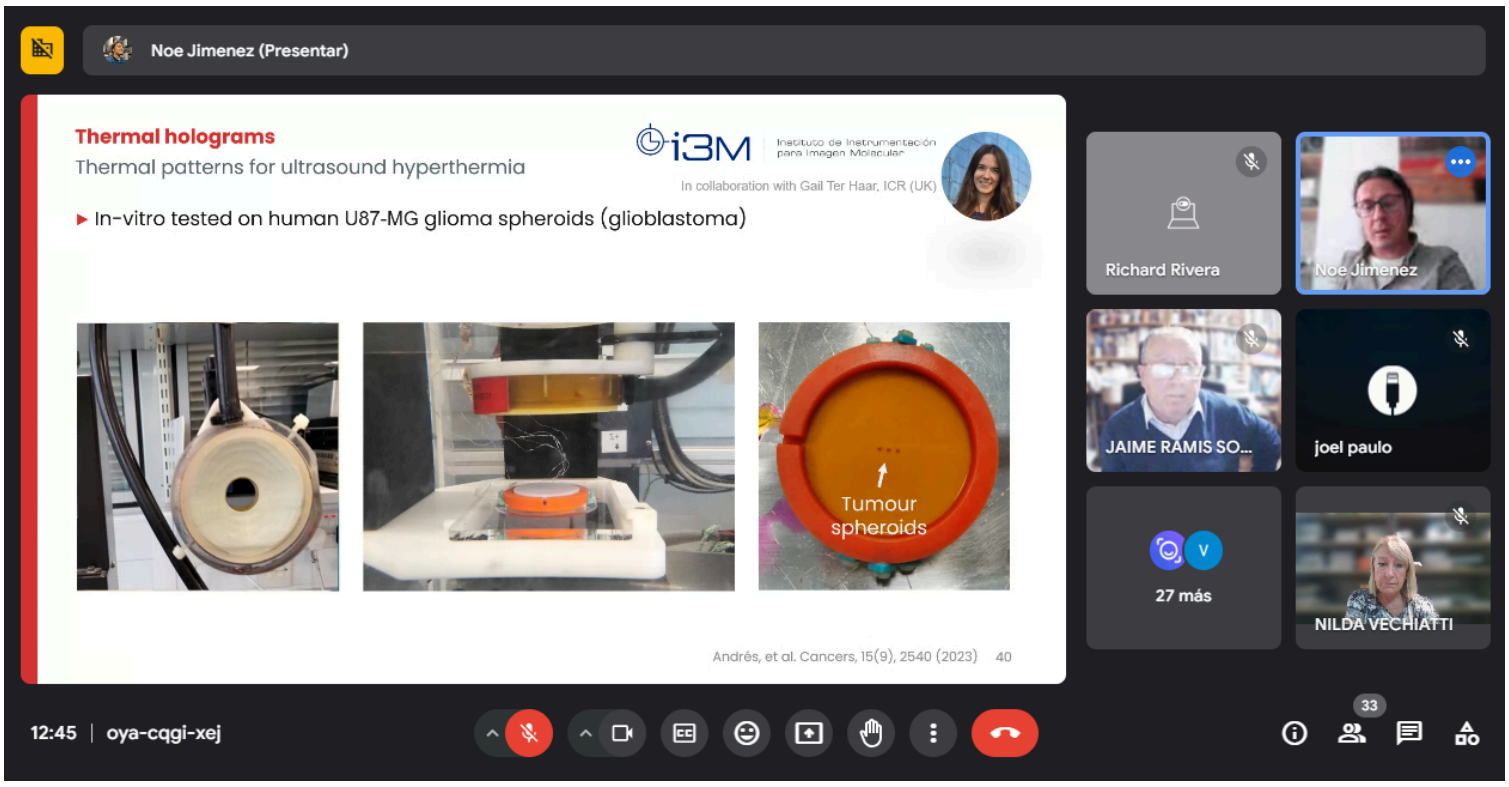
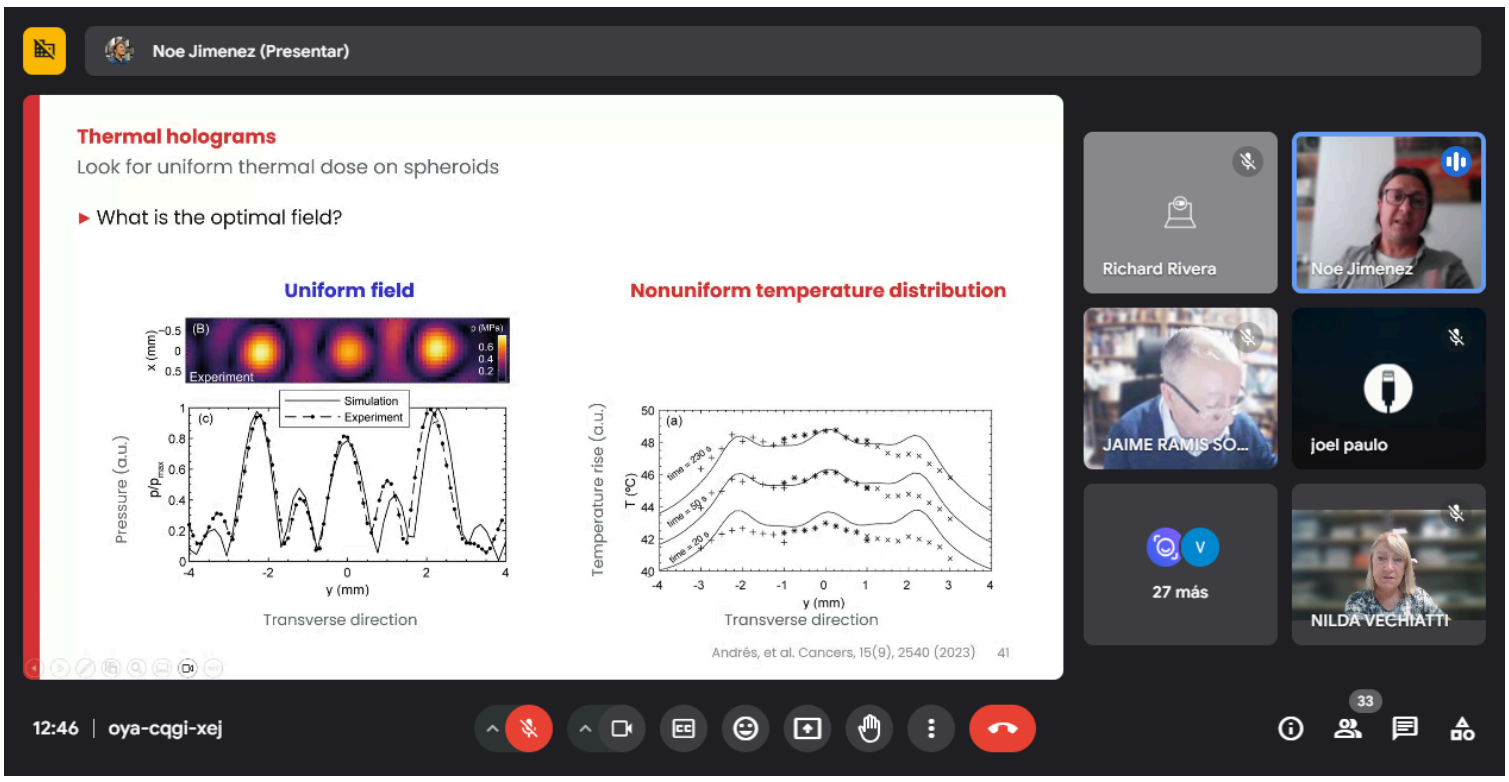
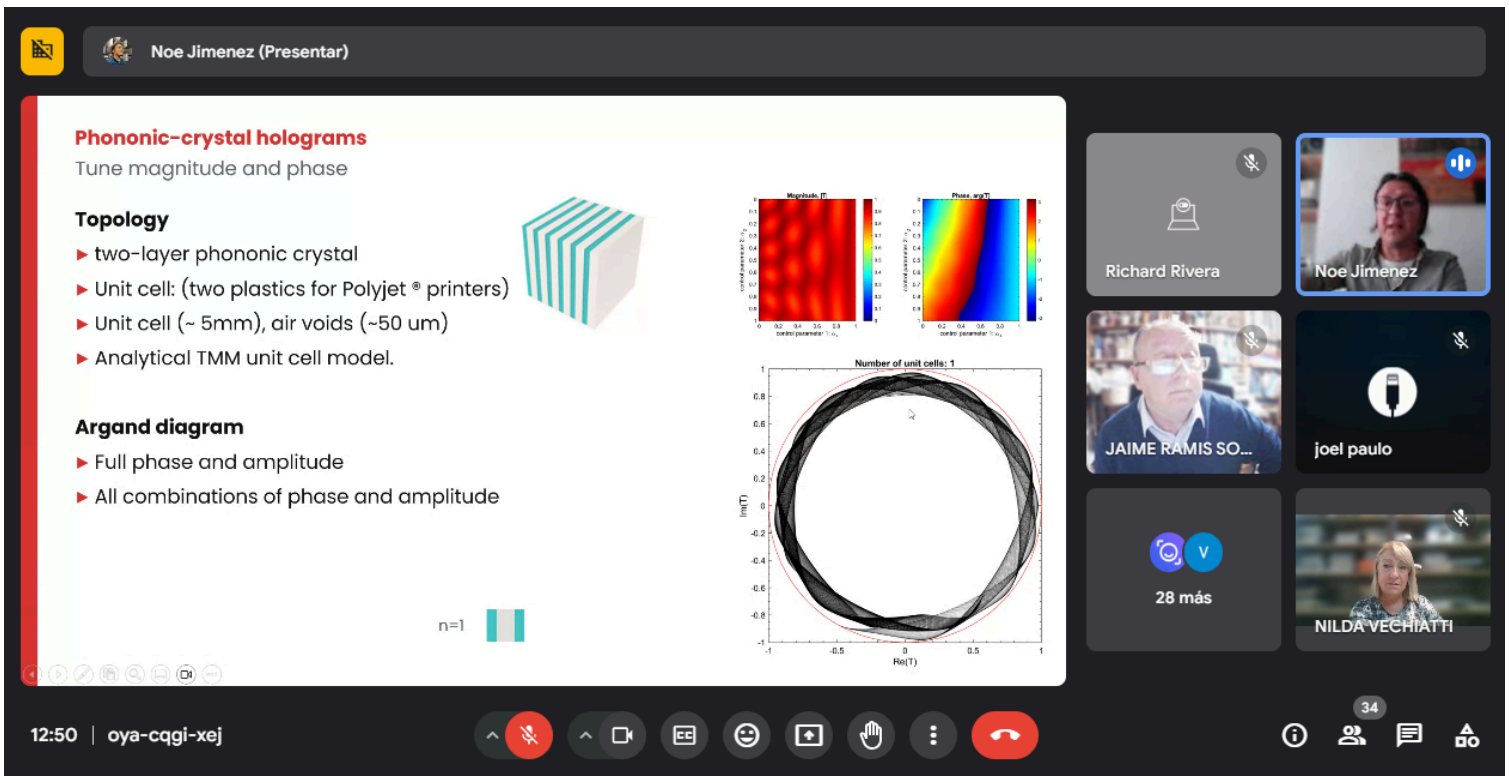
Conferencias FIA2024 – Jueves/Quinta-feira 18 de abril



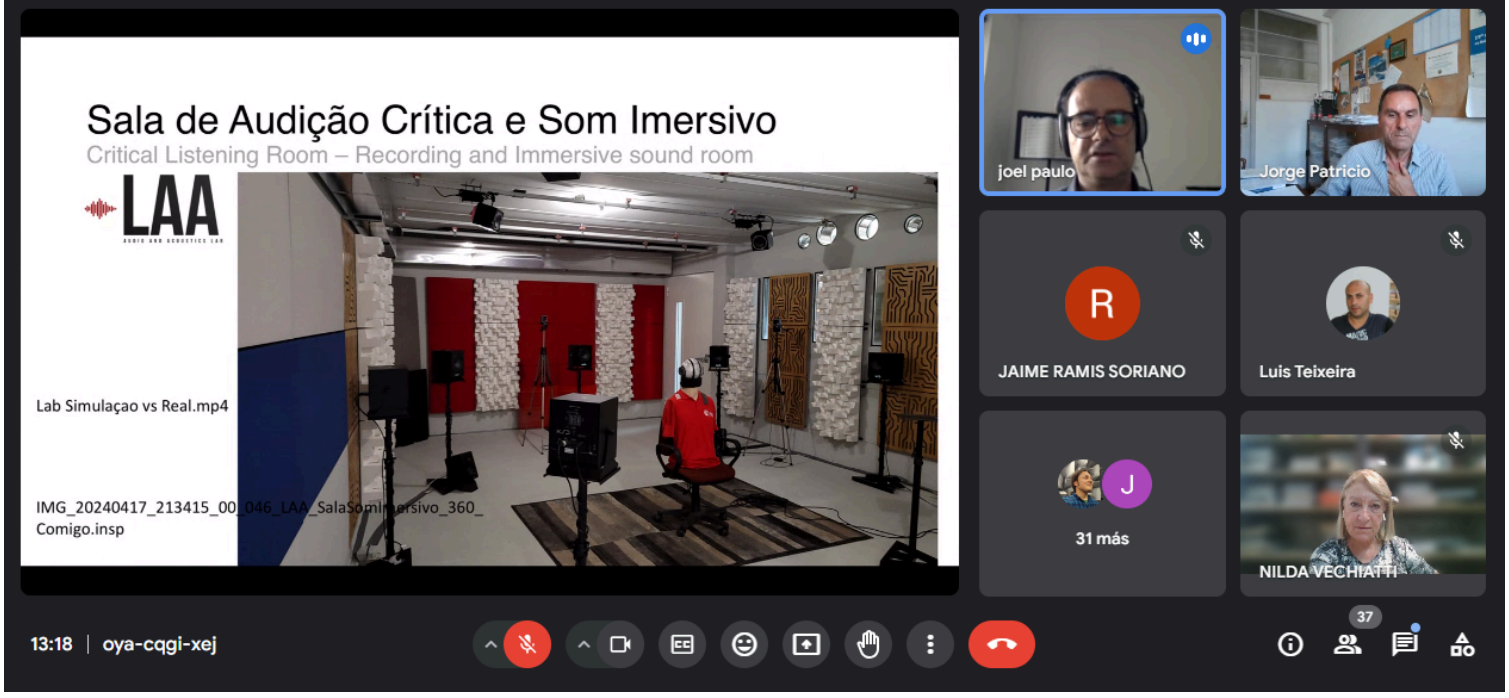



Noe Jimenez (Presentar)
Thermal holograms
Thermal patterns for ultrasound hyperthermia
i3M Instituto de Instrumentación para Imagen Molecular
In collaboration with Gail Ter Haar, ICR (UK)
▸ In-vitro tested on human U87-MG glioma spheroids (glioblastoma)
Tumour spheroids
Andrés, et al. Cancers, 15(9), 2540 (2023) 40
Richard Rivera
Noe Jimenez
JAIME RAMIS SO...
joel paulo
27 más
NILDA VECHIATTI
12:45 | oya-cqgi-xej
33


Noe Jimenez (Presentar)
Thermal holograms
Look for uniform thermal dose on spheroids
▸ What is the optimal field?
Uniform field
Nonuniform temperature distribution
Experiment
Simulation
Experiment
Pressure (a.u.)
y (mm)
Transverse direction
Temperature rise (a.u.)
T (°C)
Transverse direction
Andrés, et al. Cancers, 15(9), 2540 (2023) 41
Richard Rivera
Noe Jimenez
JAIME RAMIS SO...
joel paulo
27 más
NILDA VECHIATTI
12:46 | oya-cqgi-xej
33

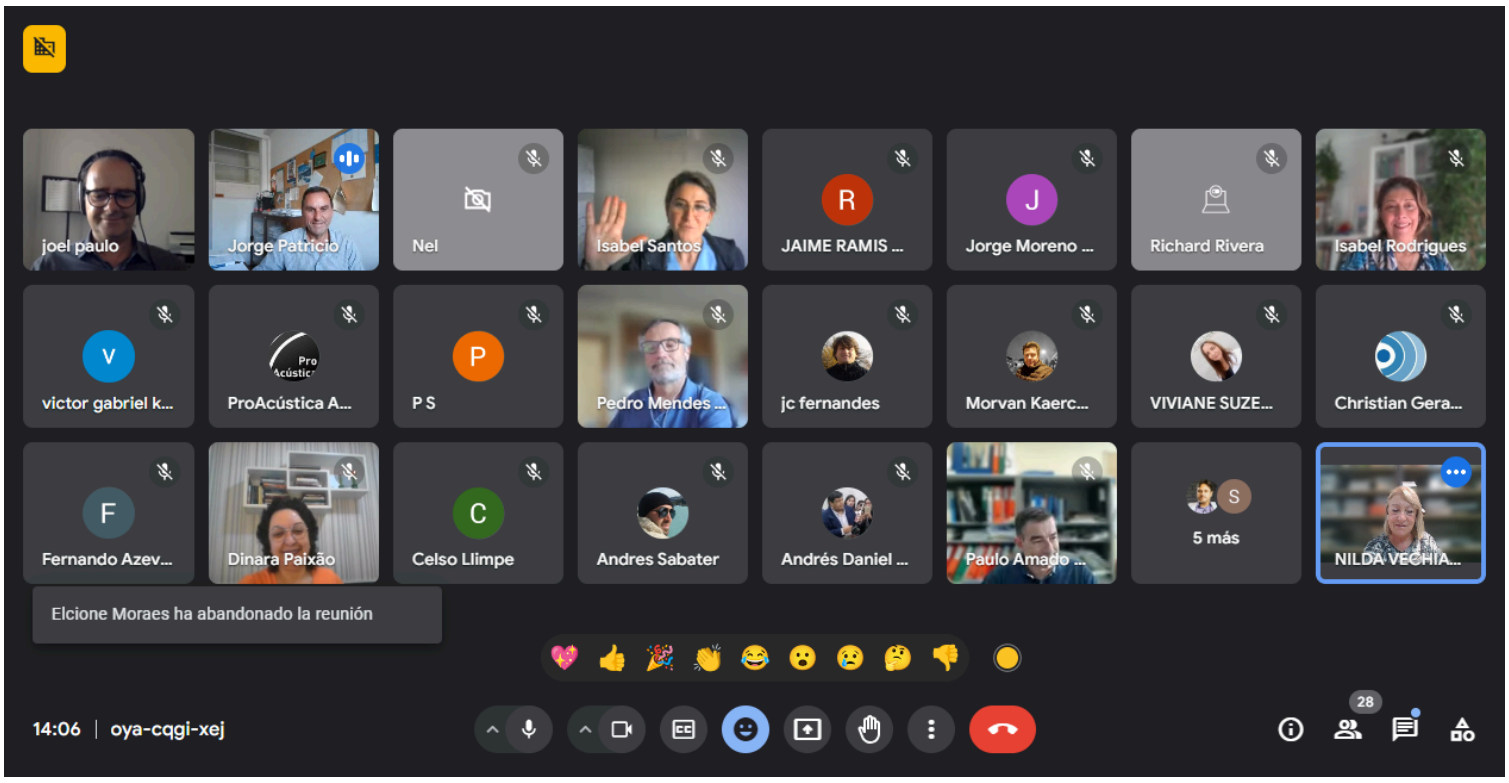

Noe Jimenez (Presentar)
Phononic-crystal holograms
Tune magnitude and phase
Topology
▸ two-layer phononic crystal
▸ Unit cell: (two plastics for Polyjet ® printers)
▸ Unit cell (~ 5mm), air voids (~50 um)
▸ Analytical TMM unit cell model.
Argand diagram
▸ Full phase and amplitude
▸ All combinations of phase and amplitude
n=1
Number of unit cells: 1
Richard Rivera
Noe Jimenez
JAIME RAMIS SO...
joel paulo
28 más
NILDA VECHIATTI
12:50 | oya-cqgi-xej
34


joel paulo (Presentar)
Dia Internacional da Sensibilização do Ruído
24 abril 2024
Laboratório de Áudio e Acústica do ISEL, Lisboa, Portugal
Audio and Acoustics Laboratory
18 abril 2024
Joel Paulo
joel.paulo@isel.pt
acusticaudiolab@isel.pt
https://acusticaudiolab.isel.pt
Día Internacional de Concienciación sobre el ruido
FIA
FEDERACIÓN IBEROAMERICANA DE ACÚSTICA
spa
Sociedade Portuguesa de Acústica
LAA
ISEL
joel paulo
Jorge Patricio
JAIME RAMIS SORIANO
Luis Teixeira
30 más
NILDA VECHIATTI
13:15 | oya-cqgi-xej
36


joel paulo (Presentar)
Sala de Audição Crítica e Som Imersivo
Critical Listening Room – Recording and Immersive sound room
LAA
Lab Simulaçao vs Real.mp4
IMG_20240417_213415_00_046_LAA_SalaSomImersivo_360_Comigo.insp
joel paulo
Jorge Patricio
JAIME RAMIS SORIANO
Luis Teixeira
31 más
NILDA VECHIATTI
13:18 | oya-cqgi-xej
37


joel paulo (Presentar)
Cabeça artificial para captação octoaural (2019 -)
Aplicações perceptuais
• Realidade virtual
• Captação em eventos
para transmissão de som 3D
3Dio's omni-binaural recording set-up
Used in a Beck concert
15
joel paulo
Jorge Patricio
JAIME RAMIS SOR...
Luis Teixeira
Noe Jimenez
Jorge Moreno Ruiz
30 más
NILDA VECHIATTI
oya-cqgi-xej
38





FEDERACIÓN IBEROAMERICANA DE ACÚSTICA

CONTACTO

fia-acustica@fia-acustica.org

REDES SOCIALES