

GAMM2025

Tuesday 8 April 2025

S12: Waves and Acoustics: S12.01 - Room 0.22 (08:30 - 10:30)

-Conveners: Anna Sygulska

| time | [id] title | presenter |
|-------|--------------------------------------------------------------------------------------------------------------|----------------------|
| 08:30 | [283] Analysis of the formation of caustic by a concave reflector in a geometric and wave field | KULOWSKI, Andrzej |
| 09:10 | [284] Numerical Study on Enhanced Impedance Matching for Symmetric Lamb Waves in FML with Integrated Sensors | ROTTMANN, Max |
| 09:30 | [285] Acoustic black holes in the Rayleigh-Lamb Theory | SCHOENEBECK, David |
| 09:50 | [286] Wave propagation in non uniform media by linear expansion of the refraction law | BASSETTI, Alessandro |
| 10:10 | [287] One-way wave equation | BSCHORR, Oskar |

S12: Waves and Acoustics: S12.02 - Room 0.22 (16:30 - 18:30)

-Conveners: Michał Guminiak

| time | [id] title | presenter |
|-------|--------------------------------------------------------------------------------------------|---------------------------|
| 16:30 | [288] Acoustic Waves at Very Low Frequency: Propagation and Building Insulation | MASTINO, Costantino Carlo |
| 16:50 | [289] Stretch ceilings in church acoustics design | SYGULSKA, Anna |
| 17:10 | [290] Can one hear the shape of a crack in a drum? - An analytical and data-based approach | ZILK, Philipp |
| 17:30 | [291] Time-Domain Simulation of Brass Instruments with the Method of Characteristics | AURICH, Daniel |

Wednesday 9 April 2025

S12: Waves and Acoustics: S12.03 - Room 0.22 (08:30 - 10:10)

-Conveners: Michael Beitel Schmidt

| time | [id] title | presenter |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 08:30 | [292] Towards the efficient simulation of large-scale soil-structure interaction problems using the scaled boundary finite element method | KUHN, Tobias |
| 08:50 | [293] Time Domain Boundary Element Methods for the Neumann Problem: a Reduced Formulation for Practical Applications | SCHNEIDER, Simon |
| 09:10 | [294] A domain decomposition strategy for natural imposition of mixed boundary conditions in port-Hamiltonian systems | BRUGNOLI, Andrea |
| 09:30 | [295] Porous wall induced instabilities in compressible boundary layers | DE BROECK, Lara |