



# WAVES 2022

## Wednesday, 27 July 2022

### **(31C) Homogenization - Yellow 1 (10:00 - 12:00)**

-Conveners: Ben Schweizer

time	[id] title	presenter
10:00	[115] Homogenization of a thin layer of randomly distributed nano-particles : effective model and error estimates	GIOVANGIGLI, Laure FLISS, Sonia BOUCART, Amandine
10:30	[116] Modelling acoustic metasurfaces using homogenization of fluid-structure interaction on strongly heterogeneous perforated plates in thin layers	ROHAN, Eduard LUKEŠ, Vladimír
11:00	[96] Effective dynamics for low-amplitude transient elastic waves in a 1D periodic array of non-linear interfaces	BELLIS, Cédric LOMBARD, Bruno TOUBOUL, Marie ASSIER, Raphaël
11:30	[118] High-frequency homogenisation in periodic media with imperfect interfaces and elastodynamic co-dipole metaclusters	TOUBOUL, Marie ASSIER, Raphaël LOMBARD, Bruno BELLIS, Cédric COTTERILL, Philip NIGRO, David PARNELL, William