

Erasmus Mundus Master WAVES - Summer school - June 16th-19th, 2025

Monday			Tuesday			Wednesday			Thursday		
June 16th, 2025			June 17th, 2025			June 18th, 2021			June 19th, 2021		
Hour (Place)	Plan	Persons in Charge	Hour (Place)	Plan	Persons in Charge	Hour (Place)	Plan	Persons in Charge	Hour (Place)	Plan	Persons in Charge
Morning											
9h30-10h00 (Room G.1G.0.002)	Welcome Ceremony	-Representatives of UC, UPV, AMU & ECM Prof. Paulo Amado- Mendes	9h00-11h00 (Room G.1G.0.002)	Modeling of a unit cell and metamaterials in COMSOL	Jonas Helboe Jørgensen	9h00-11h00 (Room G.1G.0.002)	Comparative analysis of pressure, displacement and mixed formulations of acoustic finite element models in the frequency domain	Prof. Andres Prieto	9h00-11h00 (Room G.1G.0.002)	Simulation of viscous and thermal losses of sound waves in fluids with examples in metamaterials and transducers	Prof. Vicente Cutanda
10h00-11h00 (Room G.1G.0.002)	Meshless methods: The Method of Fundamental Solutions										
11h00-11h30 Coffee-Break											
11h30-13h30 (Room G.1G.0.002)	Acoustics in large heterogeneous domains: parallel computing and asymptotic analysis	Prof. Régis Cottereau	11h30-13h30 (Room TBC)	Extract and use effective metamaterial properties from a unit cell (homogenization)	Jonas Helboe Jørgensen	11h30-13h30 (Room G.1G.0.002)	Periodic Boundary Conditions in FDTD	Jaime Galiana/J. Redondo	11h30-13h30 (Room G.1G.0.002)	The boundary element method for the analysis of acoustic systems in the frequency domain	Prof. Luis Godinho
13h30-15h00 Lunch break											
15h00 - 17h00 (Room G.1G.0.002)	Simulation of time varing systems	Jaime Galiana/Rubén Picó	15h00 - 17h00 (Room TBC)	Optimization of a metamaterial	Jonas Helboe Jørgensen	15h00 - 17h00 (Room TBC)	Simulation of porous media with FDTD	Pablo C. Iglesias/ L. Godinho/J. Redondo	15h00 - 16h00 (Room G.1G.0.002)	Closing ceremony	Prof. Javier Redondo
Evening											
						20h-23h	Summer school dinner				