

July 19, 2023, 10:00am-12:00pm and 3:00pm-5:00pm

July 20, 2023, 10:00am-1:00pm and 2:30pm-5:30pm

July 21, 2023, 3:00pm-5:00pm

**Prof. Annamaria Pau,
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Ultrasonic bulk and guided wave propagation in classical and non-classical continua

Being able to handle wave propagation is essential to the understanding of nondestructive evaluation techniques, which enable location and measurement of defects in structures, evaluation of constitutive material constants, and identification of the state of stress. This short course covers selected problems of wave propagation in structures, that is, waves in strings, bulk waves in 3D solids, guided waves, acoustoelasticity, and their application to the solution of materials characterization and image reconstruction problems. Focus will be also on non-local continua with internal lengths and dispersion properties in wave propagation.

Program:

https://phd.uniroma1.it/web/course---ultrasonic-bulk-and-guided-wave-propagation-in-classical-and-non-classical-continua_nS5343EN_EN.aspx

Registration form:

<https://forms.gle/zd992c4QrsVCyAs86>