



Coss&Vita
Créteil (France)
18th – 19th November 2021
Workshop of the IRP Coss&Vita

Advances in ELAstoDYNamics, NonLinear mechanics and Stability of Architected materials and structures

The event is organised in a hybrid form with face to face lectures delivered by researchers who will stay in Créteil for the two days and with live presentations delivered by means of the software Zoom for online participants. Technical details about the conference format will be provided.

Scope of the workshop : The scope of the workshop is to present the recent activities of the research groups of the IRP Coss&Vita, but also to exchange with other members of the scientific communities on the subjects. Particular attention will be given to scientific discussions.

Main topics

- Waves and generalized continua
- Metamaterials
- Mechanical modelling of complex materials and structures
- Instabilities and localization
- Gradient damage and fracture
- Discrete defects in solids
- Analytical and numerical methods in materials and structures design;
- Static, dynamic and stability behavior of homogenous models of lattice members;
- Transverse topics (nonlinear phenomena in elastodynamics)

Participation is **free**, but **registration** is required before October 31st 2021 via the website <https://eladyn-nls-2021.sciencesconf.org>

Contributions are welcome, please submit your abstract in the [submission page](#).

Organisers

Giuseppe Rosi (MSME, Paris-Est Créteil)
Francesco D'Annibale (University of L'Aquila)



For more information, please write to eladyn-nls-2021@sciencconf.org