

CENIMAT

CENTRO DE INVESTIGAÇÃO DE MATERIAIS

i3N

INSTITUTO DE
NANOESTRUTURAS,
NANOMODELAÇÃO E
NANOFABRICAÇÃO

INVITED SPEAKER

PROFESSOR JOÃO PEDRO OLIVEIRA

Assistant Professor

Department of Mechanical and Industrial Engineering

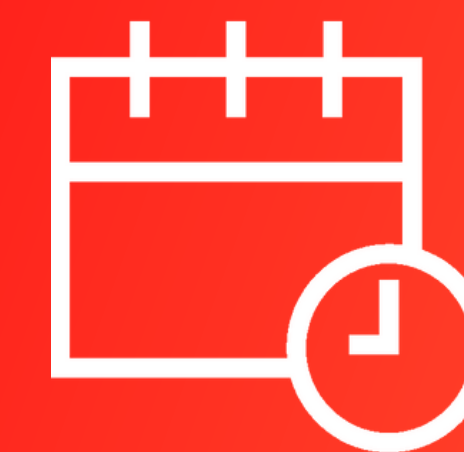
NOVA School of Science and Technology

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WEBINAR

MICRO AND NANO-CHARACTERIZATION OF MATERIALS APPLIED TO ADVANCED MANUFACTURING PROCESSES

The advanced characterization of materials at the micro and nanoscale has an extremely important role in understanding the relationships between process parameters, microstructure and properties. In this presentation, some case studies will be presented, different advanced characterization techniques (SEM, TEM, FIB, nanoindentation and synchrotron radiation) to deeply understand the bonding mechanisms in laser-welded joints will be addressed. The materials of interest in this presentation will focus on Ti and Ni alloys with potential applications in the aerospace and biomedical industries.



04TH

JUNE, 2021
01:30 P.M.



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