



**Boosting the role of HEIs in the industrial transformation towards the Industry 4.0 paradigm
in Georgia and Ukraine
609939-EPP-1-2019-1-BE-EPPKA2-CBHE-JP**

Event: Webinar

Topic: “Evaluation of the Relation between Lean Manufacturing, Industry 4.0, and Sustainability”

Organizer: Polytechnic of Porto

Lecturer: Hélio Castro, Paulo Ávila

Date and time: 23/02/2021 from 10:00 to 10:30 CET

Connection:

<https://videoconf-colibri.zoom.us/j/83022475461?pwd=ZFZjOGIFUHJwMnZCcHR6ZGdYZXFsZz09>

Moderator: Paulo Ávila

Abstract of the webinar

Nowadays, Lean Manufacturing, Industry 4.0, and Sustainability are important concerns for the companies and, in a general way, for the society, principally, the influence of the two production philosophies, Lean Manufacturing and Industry 4.0, in the three main pillars of sustainability: economic, environmental, and social.

To better understand the relation between these production approaches and the by different sustainability's criteria, it will be presented a study based on a structural equation model, with six hypotheses, to quantitatively measure the effects of Lean Manufacturing and Industry 4.0, in Sustainability.

These results can contribute as an important decision support for the industrial companies and its stakeholders, even because some results diverge from mainstream opinion.