



**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:	Digital twins: overview and case studies
Organizer:	KU Leuven
Lecturers:	Dimitri De Schuyter, Mathieu Troch, Arne Verhoeven, Philippe Saey
Date and time:	22/04/2021 from <u>10:00</u> to <u>11:00</u> <u>CET</u>
Connection:	Skype for Business – Link sent via Outlook
Moderator:	Philippe Saey

Abstract of the webinar

A digital twin is a virtual representation that serves as the real-time digital counterpart of a physical object or process. “Digital twin” became a buzz word in the advent of “Industry 4.0”, as one of the key enabling technologies of I4.0 .

This webinar presents a short overview on digital twin technology, and further focuses mainly on an implementation example by Siemens. Part of the Siemens software suite is Siemens NX/MCD. Using some examples, aspects of design, connectivity, and virtual commissioning are illustrated. Case studies include a lab size small warehouse, a rolling mill stand, and KU Leuven’s (still virtual ...) MARVEL telescopes.

