

Paper: Digital Tools to train Engineers and Workers

**Scheduled for**

16:00

Duration

20 Minutes

Room

2nd Floor, Room 28

Form of presentation

Vortragsveranstaltungen

Topic

A + A Kongress 2019 Konferenzplaner ▶ A+A International

Authors

Alfredo Soeiro

Content

It is not acceptable in the XXI century for a worker to die while working. Challenges are especially significant for new and illiterate workers due to lack of training. Injuries and accidents occur because there is no proper preparation for workers. Each construction site is different from any other, therefore it is necessary to train technicians, workers and engineers to the exclusive and potential risks that may arise from each new environment. Smart Training to avoid Accidents in Construction is a project that arises from the synergy between higher education institutions, a construction company and a vocational education and training provider to implement the use of smart technologies in proper training. The digital tools allow the creation of instruments that simulate construction scenarios allowing the identification and prevention of risks for workers, technicians, and engineers. The project will develop innovative and interactive VR/AR (Virtual and Augmented Reality) solutions to prevent accidents and train workers. Project intends to create usable tools for workers, technicians, and engineers that will be used in any construction project.

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