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Robotics for construction : Now, Tomorrow

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While the manufacturing industry is strongly engaged in robotization, the construction field is still facing important scientific and technical challenges in this area. Indeed, this sector requires that robots work in large spaces, in accurate ways, on very varied activities where know-how must be adapted to complex environments. Therefore, we present several industrial studies that Nantes University (LS2N/CAPACITES) conducted in the robotization of activities such as tunnel boring machines, our current projects in the field of human-machine interaction, as well as the use of robotics in large spaces including the TIRREX project (Technological Infrastructure for Robotics Research of Excellence) aimed at developing new platforms in robotics.

Primary author: SUBRIN, Kevin (Nantes Université)

Presenter: SUBRIN, Kevin (Nantes Université)

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