

Industry 4.0 for SMEs: Fraunhofer Italia presents its projects

In occasion of the kick-off meeting of the project „Industrie 4.0 for SMEs“ representatives from the Free University of Bozen and from seven partner institutions from different countries worldwide visited Fraunhofer Italia research institute.

On the 09th of February the kick-off meeting of the Horizon 2020 research project „Industrie 4.0 for SMEs – Smart Manufacturing and Logistics for SMEs in an X-to-order and Mass Customization Environment“ took place in Bolzano. The project of the Free University of Bolzano, coordinated by Prof. Matt, aims at optimizing Industry 4.0 production processes. In line with this topic, a delegation of representatives from the project partner institutions (Technical University Košice in Slovakia, University Montan Leoben in Austria, Elcom sro in Slovakia, Massachusetts Institute of Technology and Worcester Polytechnic Institute in the USA, Chiang Mai University in Thailand and SACS Engineering College in India) visited Fraunhofer Italia as well. During this meeting Fraunhofer Italia research associates presented their newest research projects in the field of Industry 4.0. Regarding the implementation of digital technologies in the construction sector, the European project „ACCEPT – Assistant for Quality Check during Construction Execution Processes for Energy-efficient buildings“ was presented as a valuable example. A practical demonstration of the application CoOpApp developed in the project helped the visitors to have a better understanding of the functionalities of this app which uses Augmented Reality Technologies. Finally, Fraunhofer Italia presented other research projects regarding Industry 4.0 in industrial production. The focus of these projects is the implementation of a flexible and decentralized control in industrial production and the aim is to develop possible affordable solutions for the implementation of Industry 4.0 concepts in SMEs. At the end of the presentation Fraunhofer Italia research associates and the representatives from the partner institutions exchanged best-practices and ideas related to this topic.