

4th World Congress on

ROBOTICS AND ARTIFICIAL INTELLIGENCE

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What is a robot in industry 4.0 or virtual reality 2.0? Towards cloud based social robotics**Peter Sincak**

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The talk will be focused on integration of IT (cloud computing), social robotics, artificial intelligence and mixed reality. The state of art of this integration will be presented including the link between Industry 4.0 principles (Europe) and virtual reality 2.0 (JST Japan). The future of robot as a service consideration will be discussed. The presentation part will be covering partial results of cloud based human robot interaction experiments accomplished in elderly care center in Europe. Also, some results of Slovak and European collaboration will be presented in the talk. The crucial goal of the talk is to inspire focus towards big data, AI, Internet of things in the cloud environment preferably in Microsoft azure platform and Cortana intelligence tools used for cloud robotics. It is general believe that cloud robotics will be a central notion in close future and integration of IT domain, robotics domain, user experience domain including psychology is important for the benefit of humans.

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