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# USI Faculty of Informatics at CEBIT 2018

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**At the 2018 CEBIT in Hannover, the USI Faculty of Informatics will present a series of projects based on its wide range of research activities, including a 3D markerless facial motion capture system, a next-level VR/AR “uniform resource identifier” system for video content, an innovative Web-based educational tool, a Liquid Web Application software, and an interactive face warping application based on advanced geometric visual computing technologies.**

The **Faculty of Informatics at USI** is a renowned centre of excellence in advanced informatics and is one of the key education and research institutions in Switzerland. At the Lugano campus, around 150 researchers from around the world operate in a dozen different subject areas – including Data Science, Information Systems, Intelligent Systems, Computer Systems, Programming Languages, Software Engineering, Geometric and Visual Computing, Theory and Algorithms, Computational Science – with tens of millions of Swiss francs in competitive funding obtained to date. Commitment to research has a real impact on education through a unique teaching philosophy where the student is at the heart of the learning process and in close and constant contact with faculty. Basic research is applied, through tailored public collaborations, in areas such as healthcare, robotics, and software design, enabling a suitable entrepreneurial environment for innovation and startup initiatives.

## **d!talk**

**Self-Improving AI will Change Everything** is the title of the keynote speech that will be given at d!talk on Wednesday, June 13, by **Jürgen Schmidhuber**, scientific director of the Swiss Artificial Intelligence Lab (IDSIA, Dalle Molle Institute for Artificial Intelligence), often referred to as the ‘father of AI’. The deep learning artificial neural networks developed by Prof. Schmidhuber at the Swiss AI Lab have won numerous machine learning contests, and are now used by the world’s most valuable public companies, e.g. Facebook, Google, Apple, and Amazon. Prof. Schmidhuber will also discuss the meta-learning AIs that invent their own goals, outlining also how AIs will transform every aspect of our civilisation, and eventually colonise the universe, and make it intelligent.

