

**Freitag, 24.11.2017 um 10:00 Uhr**  
**Ort: Seminarraum 87, Wilhelm Klemm-Straße 10**

## Visual Intelligence: the Next Big Tech Wave



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Most of us are able to take better pictures and videos with our mobile phones than those taken by professional photographers ten years ago. We humans are still the primary consumers of this high-quality visual information, making sense of its content and acting consequently. But this is changing rapidly. Machines are boosting their visual capabilities by leveraging training data – huge amounts of it as never available before – combined with advanced learning–inference techniques and state-of-the-art computational chips. Massive market niches like automotive or the Internet of Things (IoT) are driving investment in visual technologies, giving rise to a virtuous cycle of research and innovation. In this talk, we will delve into the reasons behind this shift of artificial vision from lab prototypes into products. We will also describe the research efforts aiming at bringing visual intelligence to the edge – as opposed to the cloud –, and how the concept of computational image sensor arises into this technological landscape.



Via della Conciliazione, 2005



Via della Conciliazione, 2013