

## **HPI Colloquium**

### **19.11.2019, 11.00 am**

Hasso-Plattner-Institut, Hörsaalgebäude, Hörsaal 3  
Campus Griebnitzsee, 14482 Potsdam

## **“Welcome to the Virtual Age: AR, VR and the Future of Connection”**

**Michael Abrash**

Chief Scientist, Facebook Reality Labs

### **Abstract**

Welcome to the virtual age. Together augmented and virtual will be the primary way we work, play, and connect for the next 50 years, just as personal computers and smartphones have changed the world for the last 45 years and counting. In his talk, Facebook Reality Labs' Chief Scientist, Michael Abrash, will describe his dual vision of stylish AR glasses that let you conjure virtual objects and devices into existence at will, connect with others instantly, enhance your perception, memory, and cognition, and give you a truly personalized assistant; and a VR headset that can teleport you anywhere to be with anyone. Michael will give you a peek at how FRL is building that future, discussing its promise as well as some of its unknowns.

### **Short CV**

Michael Abrash is the Chief Scientist of Facebook Reality Labs, a research laboratory that brings together a world-class R&D team of scientists, developers and engineers to build the future of connection within virtual and augmented reality. He was graphics lead for the first two versions of Windows NT, teamed with John Carmack on Quake, worked on the first two versions of Microsoft's Xbox, and helped develop virtual reality at Valve. He is also the author of several books, including Michael Abrash's Programming Black Book.

Host: Prof. Dr. Tilmann Rabl