Kay Rottmann
*Facebook*

### Understanding the Language of Facebook

*Facebook*'s mission is to make the world more open and connected. For achieving this mission, it is very important to eliminate language barriers and to get a better understanding of what people actually are talking about. In this talk we will motivate the importance of translation and text understanding for people to understand more content they are interested in and the challenges we are facing within the unique *Facebook* environment to achieve this goal. We will briefly go over the technological support from the translation side, but also talk about the efforts within *Facebook* to understand more about the content itself that is posted on *Facebook*. We will describe the unique opportunities we have to provide much better user experiences by understanding what people actually are interested in and helping them to achieve their goals in a much easier and more natural way.

Kay Rottmann is the engineering manager for *Facebook*'s content translation team, responsible for *Facebook*'s machine translation and crowd sourcing efforts in this field, as well as the research on deep neural network based translation, language identification and related products. Kay obtained his PhD in computer science in the field of machine translation at the *Karlsruhe Institute of Technology* in 2015 and his Diploma in 2007. Before working for *Facebook*, Kay was a core research scientist working on machine translation and cloud based speech to speech translation at *Mobile Technologies GmbH* since 2007. As a core member of that company Kay started working on *Facebook*'s in-house translation technology after the acquisition in 2013.