

## Translation at Facebook — Connect the World across Language Barriers

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### 摘要:

The mission of Facebook is to make the world more open and connected and to give people the power to share. On this platform, every month one fifth of the people in the world share their experiences using over 100 languages. However, existing language barriers limit the sharing and connection between people speaking different languages. In this talk, I will present how we are developing technologies and platforms at Facebook to break such barriers. Our technologies enable serving translations from authors, professional translators, and our community, as well as providing automatic translations, to help communication between people using different languages. I will describe various challenges we are facing, as well as our solutions for language identification, user language modeling, automatic translations (statistical and neural MT systems), human translation, and feedback, etc.. I will conclude the talk with our vision of understanding Facebook contents in any language.

### 简历:

Fei Huang is a Lead Research Scientist at Facebook, leading the machine translation research effort at Facebook AML/Language Technology team. Besides general machine translation, he is particularly interested in the challenges from social media translation: human translation and machine translation on social media platforms: language detection, user language modeling, confidence estimation and user feedback of MT outputs, etc.. He has published many papers on machine translation, information extraction, named entity and dialect classification at various conferences including ACL, EMNLP, NACCL, COLING etc.. He also served as area co-chair (ACL-2015 and NLP-KE 2014), IBM Watson Natural Language Processing PIC co-chair (2013-2014), conference program committee members and journal reviewer numerous times. Before joining Facebook, he was a senior research staff member at IBM Watson Research Center after graduating from Carnegie Mellon University with Ph.D. in Language Technology.

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