

## Kolloquium Angewandte Informatik

### Artificial Intelligence: A tale of two Worlds at Nuance

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#### Abstract:

“Artificial Intelligence” is one of the current buzz words. Interestingly enough the term is now often used nearly synonymously with “Deep Learning”, the application of Deep Neural Networks to tasks of “pattern recognition” in a broad sense. But in another, more traditional sense AI is the attempt to capture and process knowledge in symbolic form, applying methods of logic & linguistics. Machine Learning, based on methods coming from the faculty of Electrical Engineering and applied to tasks like Speech Recognition, on the one hand and AI in the “symbolic” sense on the other have been very separate fields of research for a long time.

The talk will give an overview how both worlds have a home at Nuance, how Deep Learning and symbolic knowledge based systems are employed both at the level of core technologies like ASR and NLU, as well at the application layer. The talk will focus on practical, real-life examples from the areas of Mobility (e.g. the “Automotive Assistant” and speech interfaces like in the new BMW 7 series, or Orange’s new Smart TV interface in France), Enterprise (how customer service is being re-defined at companies like ING or USAA), and finally Healthcare, where CLU and “Ambient Speech” form the path to intelligent assistants to doctors.

Termin: Montag, 19. Dezember 2016, 14:00 Uhr

Ort: Kaiserstr. 89, 76133 Karlsruhe  
Kollegiengebäude am Kronenplatz (Geb. 05.20), 5. OG, Raum 5A-09  
(Hinweise für Besucher: [www.aifb.kit.edu/web/Kontakt](http://www.aifb.kit.edu/web/Kontakt))

Veranstalter: Institut AIFB, Forschungsgruppe Wissensmanagement

Zu diesem Vortrag lädt das Institut für Angewandte Informatik und Formale Beschreibungsverfahren alle Interessierten herzlich ein.

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