

Elektrotechnik-Elektronik-Informationstechnik

EEI KOLLOQUIUM

Representation Learning in Signal Processing

Dr. Hao Shen
TU Münchenn

Dienstag, der 19.07.2016, 10³⁰ Uhr
Hörsaal H6, Cauerstraße 7/9, Erlangen

Diskussionsleitung: Prof. Dr.-Ing. R. Müller

Learning appropriate representations of data/signals plays a critical role for the success of machine learning algorithms in signal processing. In this talk, I will present a personal perspective of representation learning in signal processing, which ranges from Independent Component Analysis to matrix joint diagonalisation, sparse representation learning, and reinforcement learning. Finally, the challenge of Autonomous Signal Processing will be briefly discussed from the viewpoint of representation learning.