

You have challenging data and even more challenging expectations for its analysis? Deep Learning may be the holy grail to achieve your business visions.

Being the most influential and wide-spread method in both academia and industry nowadays, many businesses are already investing and developing products based on this technology. **Computer vision, medical imaging, automatic speech recognition, natural language processing, and life science applications**, no matter how challenging the data or how complex the analytics, certain Deep Learning solutions have already performed notably better than human experts.

Google, Facebook, Microsoft, IBM and other Silicon Valley companies are investing huge quantities. And besides, new Deep Learning

start-ups are continuously emerging (e.g., DeepMind, MetaMind, Madbits, Lookflow, Clarifai). **Do not miss the train!**

Find out more about how Deep Learning can help your team to improve your products!

Our 3-day event provides valuable insights into Deep Learning, while at the same time answers many challenging questions that come up in reality (few labeled data, adaptation of off-the-shelf learned models, right parameter tweaking).

The seminar is designed to guide you from theoretical foundations to hands-on experience in cutting-edge research topics. We will provide you with all tools and information necessary to kick-start Deep Learning in your very own working environment!



Deep Learning

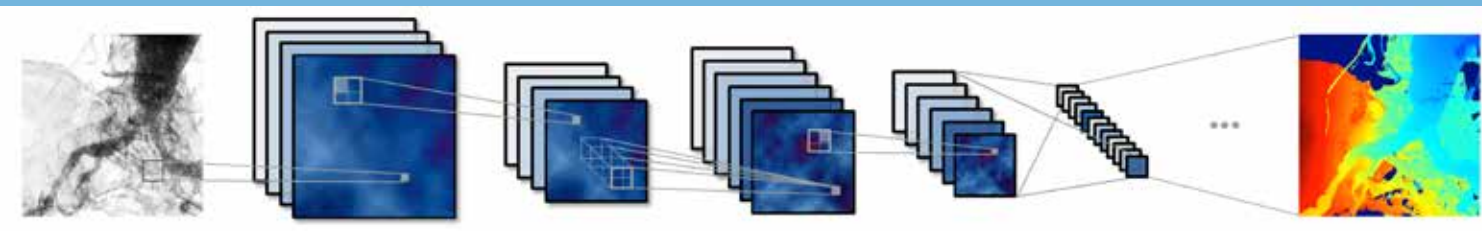
**Methods, Applications
and Hands-on
Experience**

TUM, Garching
05.04.2016 - 07.04.2016



TUM

Technische Universität München



Tuesday, 05.04.2016

- 09.00 - 10.30 Fundamentals of Deep Learning
10.30 - 11.00 Coffee Break
11.00 - 12.00 Introduction to Convolutional Neural Networks
- 13.30 - 15.30 AutoEncoders and Restricted Boltzmann Machines
15.30 - 16.00 Coffee Break
16.00 - 17.00 Recurrent Neural Networks

Wednesday, 06.04.2016

- 9.00 - 10.30 Advances in Convolutional Neural Networks
10.30 - 11.00 Coffee Break
11.00 - 12.00 Domain Adaptation in Deep Learning
- 13.30 - 15.30 Deep Learning for medical applications
15.30 - 16.00 Coffee Break
16.00 - 17.00 Deep Learning for 3D computer vision

Thursday, 07.04.2016

- 09.00 - 10.30 Hands-on TensorFlow
10.30 - 11.00 Coffee Break
11.00 - 12.00 Hands-on MatConvNet
- 13.30 - 15.30 Practical session I
15.30 - 16.00 Coffee Break
16.00 - 17.00 Practical session II

Registration fees

One day (any day possible).....1250€
Two days (any combination possible) ...1900€
Three days (full package).....2500€

Contact - Registration

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The Chair of Computer Aided Medical Procedures (CAMP) at TU München has gained unique expertise in Deep Learning throughout the past few years. By developing new technologies for various applications in the fields of computer vision, medical imaging and life sciences, the group has gained additional insights into the theoretical fundamentals as well as available toolboxes and libraries.

The group has continuously extended the state-of-the-art knowledge and techniques in the core of Deep Learning algorithms. This is further supported by the various articles recently published in the most prestigious conferences and journals in the respective fields. Come to our seminar and get inspired by the combined knowledge of our Deep Learning team!