Lecture Announcement

„Machine Learning Platforms with a focus on Azure“
Dr. Oana Carina Suciu
Orbis AG

Date: 28.05.2021 11:45 – 12:45

Location: Online via Zoom

Link: https://cs.uni-saarland.de.zoom.us/j/94093198737?pwd=Zm94U1hBZnpFalZ5MzUwb1FzUUs2dz09

Meeting-ID: 940 9319 8737
Password: 917538

Abstract:
As cloud computing offers flexibility in terms of managing resources like storage amount or computer power, data scientists do not have to concern themselves with possible hardware limitations anymore. Cloud provider like Microsoft, Amazon or Google all offer machine learning platforms which allow data scientists to leverage computer power in accordance to their needs. In doing so, reliable, secure and elastic environments are created which simplify the access to data sets and the application of machine learning algorithms and data science techniques. These so-called machine learning platforms follow the infrastructure as a service (IaaS) approach and provide the tools to make project work more efficient and effective by helping with the handling of hyperparameters and the selection of appropriate algorithms, among others. One of the more prominent machine learning platforms is the Azure Machine Learning Platform by Microsoft. In a hands-on manner, the lecture by Dr. Oana Carina Suciu discusses the end-to-end machine learning process using the Azure workspace and provides valuable insights into the pro developer’s machine learning experience using Python, as well as different frameworks like TensorFlow or Pytorch.

Dr. Oana Carina Suciu has a strong background in applied mathematics with a focus on numerical methods for partial differential equations and stochastics. Before joining Orbis AG, she pursued a career in academia and worked for two years at Saarland University and four years at the Weierstraß-Institute for Applied Analysis and Stochastics as a research assistant until her PhD in 2013. At Orbis AG her area of competence lies, among others, in the management of projects as well as in the handling of pre-sales and technical design tasks.