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Seminar Invitation
Long Short-Term Memory networks for large-scale rainfall-runoff modeling

Speaker **Dipl.-Ing. Frederik Kratzert, Visiting faculty researcher, Flood Forecasting team of Google, Google Research, Vienna, Austria**

When
Where **November 17, 2022 16.00 to 17.00, CET**
Online via Zoom, contact seminars@eawag.ch for access details.

Abstract

The past years have shown an emerging interest in the Long Short-Term Memory network (LSTM) in the context of rainfall-runoff modeling. In this talk, we will review some of the literature and discuss some recent research results. We will discuss why the LSTM, over other machine learning models, is such a suited model for the application in rainfall-runoff modeling and how the LSTM compares to traditional hydrology models in various settings. Furthermore, we will discuss what needs to be considered when using LSTMs and which mistakes should be avoided.