

IEEE SPS Seasonal School

Networked Federated Learning:

Theory, Methods and Applications

28 March 2022 - 01 April 2022

Virtual in Zoom. Free Registration ([click here](#)).

School Website: ([click here](#))

Many important application domains generate distributed collections of local datasets. Networked federated learning allows to train tailored models for each local dataset in a collaborative fashion.

This seasonal school teaches some of the theoretical and algorithmic underpinnings of federated learning. We illustrate key concepts using the toy example of a personalized Covid-19 diagnosis smartphone app.

This seasonal school is organized as three modules:

- Basics of Machine Learning
- Networked Data
- Networked Models

Each module consists of lectures and coding assignments with Python notebooks.

This seasonal school is inspired by the recent Live-Project <https://www.manning.com/liveprojectseries/federated-learning-ser>.

