



Der Wissenschaftsfonds.



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## SFB Colloquium Series

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It is a pleasure to announce a guest lecture with the title

# Generative Adversarial Networks (GANs) for Synthetic TimeSeries Data Generation

SPEAKER: **Bilgi Yilmaz** , TU Kaiserslautern

TIME: Thursday, 15.12.2022, 09.00 am

LOCATION: JKU Linz, Science Park 3, S3 047

Even though Generative Adversarial Networks (GANs) are initially developed for computer vision and image processing, they have become a popular research trend in many research fields in the last decade. After its success and significant advancements, it has gotten attention in the field of time series analysis. Following the new trend, the researchers working with time series have started fieldwork to develop high-quality, diverse, and anonymous time series data with this relatively new modeling approach. This talk reviews the standard GAN architecture, its variants, and their time series-related applications to electricity demand data.

The lecture will be followed by a general discussion.

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