

ML for Earth System Modelling and Analytics workshop 2021

Monday, May 3, 2021

Parallel sessions day 1: Earth System Modelling (3:20 PM - 4:45 PM)

-Conveners: Christopher Kadow

| time | [id] title | presenter |
|---------|--|------------------|
| 3:20 PM | [3] An ML Perspective on Closed Loop Tuning in Earth Science Simulators | GREENBERG, David |
| 3:35 PM | [4] A machine learning-based air quality forecast system for Pacific Northwest | FAN, Kai |
| 3:50 PM | [5] Near-surface temperature forecasting by deep learning | GONG, Bing |
| 4:05 PM | [6] Using machine learning techniques to classify ENSO events | MAHER, Nicola |
| 4:20 PM | [7] The Frontiers of Deep Learning for the Earth System Sciences | HALL, David |

Parallel sessions day 1: Extreme Events and Impacts (3:20 PM - 4:45 PM)

-Conveners: Laurens Bouwer

| time | [id] title | presenter |
|---------|--|------------------|
| 3:20 PM | [8] Machine learning model of the plasmasphere to forecast satellite charging caused by solar storms | BIANCO, Stefano |
| 3:35 PM | [9] Denoising seismic data using a ResNeXt-50-based convolutional autoencoder | WALDA, Jan |
| 3:50 PM | [10] Artificial Intelligence for flood analysis: first results from the AI4Flood project | GARG, Shagun |
| 4:05 PM | [11] Automated Damage Assessment | MARGUTTI, Jacopo |
| 4:20 PM | [12] Supervised Machine Learning to investigate Heat Waves and Myocardial Infarctions in Augsburg, Germany | MARIEN, Lennart |