

2nd Workshop on Machine Learning for Remote Sensing
in conjunction with the International Conference on Learning Representations (ICLR)
2024
<https://ml-for-rs.github.io/iclr2024/>

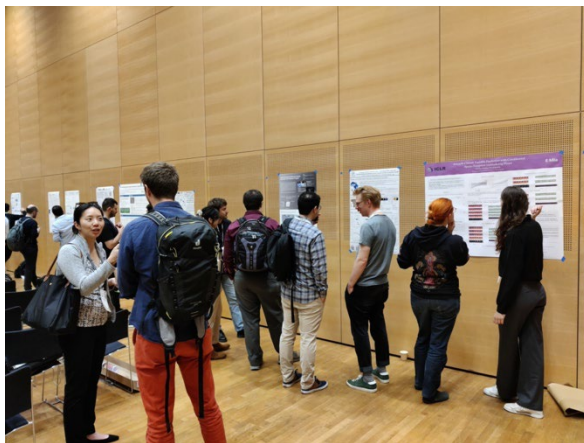
The second Workshop on Machine Learning for Remote Sensing took place on 11 May 2024 in Vienna, Austria, as part of International Conference on Learning Representations (ICLR 2024). The organisation was formed by an interdisciplinary team of eight researchers, from four different countries (Netherlands, Germany, USA, France) with involvement from Technical Commission II WG 1 "Image Orientation and Fusion", and WG 4 "AI/ML for Geospatial Data", and WG 5 "Temporal geospatial data understanding". The workshop activities included two keynotes, seven talks, 36 posters, and a panel discussion.

Precisely, the invited speakers were:

1. Sherrie Wang, Assistant Professor at MIT, who gave a talk about "Machine learning methods for Crop Mapping with Street View Images"
2. Damian Borth, Chair of Artificial Intelligence and Machine Learning at the University of St. Gallen, who talked about "Deep AI Hypernetworks and Model zoos for Remote Sensing"

In terms of the paper submission, review, and acceptance process:

- 73 papers were submitted by researchers from around the globe;
- The articles were reviewed by a committee composed of researchers from several countries, including UK, USA, Italy, Netherlands, Switzerland, France, and Germany;
- Overall 43 interesting papers were accepted: 36 as poster presentation and 7 as oral presentation.



During the workshop, we had a very interesting panel discussion with the title "Beyond benchmarks: Machine Learning for the Planet" with panelists Ramona Pelich, a remote-sensing scientist at the International Atomic Energy Agency in Vienna, Austria, Matej Batic, the group leader and data scientist at Sinergise and EO-research group at Sinergise, Nico Lang, a postdoctoral researcher at the Pioneer Centre for AI in the Department of Computer Science, University of Copenhagen, Denmark, and Stefan Lang, an Associate Professor at the Department of Geoinformatics at Salzburg University, Austria.



Thanks to our sponsors, we could award a best paper to Chenhui Zhang and Sherrie Wang with the paper titled “Good at captioning, bad at counting: Benchmarking GPT-4V on Earth observation data” and a best poster to Ellianna Abrahams, Tasha Snow, Fernando Pérez, and Matthew Siegfried with their poster titled “A Concise Tiling Strategy for Preserving Spatial Context in Earth Observation Imagery”.

