

AFLOW School for Materials Discovery 2021

Online Summer School on Computational Materials Science Across Scales



Autonomous computational frameworks such as AFLOW are generating large databases that power materials discovery. The AFLOW.org repository is the largest of its kind, containing more than 3 million entries each characterized by 150+ different properties.

The data has been employed for the discovery of two magnets – the first discovered by computational approaches – and six new high-entropy, high-hardness metal carbides.

Join us on

July 12 – July 15, 2021

for a hands-on workshop on AFLOW. Topics covered include:

- High-throughput data generation
- Interaction with the AFLOW database
- Structure prototypes and crystal symmetry
- Thermal, vibrational, and elastic properties analysis
- Thermodynamic stability analysis
- Machine learning models for property prediction
- Modeling of disordered materials

Visit here to register for the AFLOW School:

<https://forms.gle/K3HJTRXwnkGWaVHy9>