

## SFB – Colloquium

Speaker: **Dr. Ahmed Mansour**  
Humboldt-Universität zu Berlin

Date: Tuesday, 05.11.2024, 14:15, H34

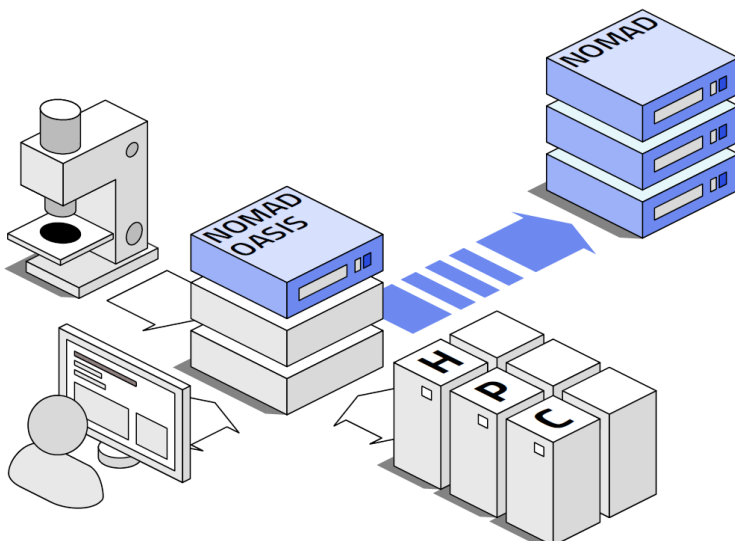
Topic: FAIR Research Data Management  
with FAIRmat and NOMAD



### Abstract:

In this talk, I will present the latest developments of FAIRmat and the NOMAD ecosystem, emphasizing the critical aspects of FAIR research data management (RDM) in condensed-matter physics. The NOMAD ecosystem, which includes platforms such as NOMAD, NOMAD Oasis, and NOMAD CAMELS, provides a complete solution for an RDM framework tailored to the needs of the condensed-matter physics and materials-science communities. I will demonstrate how these platforms facilitate the systematic acquisition and management of research data from diverse sources, including materials synthesis, advanced characterization techniques, and simulations. The presentation will also cover how NOMAD ensures that research data is not only securely stored, but also remains accessible and interoperable across different research domains. This in turn supports collaborative research efforts and accelerates innovation by ensuring that data is AI-ready.

Host: Dr. Jan Wilhelm



*FAIRmat develops and operates NOMAD, a suite of coherent and integrated end-user services for RDM in condensed-matter physics and the chemical physics of solids.*