

## **Session Program**

18-20 Feb 2025

# **Lamarr Lab Visits: 2025.1**

## ***Physics***

Lamarr/RC Trust Dortmund, JvF25/2-232 - Meeting Room North  
Lamarr Institute/TU Dortmund University Joseph-von-Fraunhofer-Straße 25 44227 Dortmund

# Wednesday 19 February

14:00

## Physics: Application Area Meeting

Session |

Location: Lamarr/RC Trust Dortmund, JvF25/3-302 - Co-Working Space, Joseph-von-Fraunhofer-Str. 25 44227 Dortmund |

Convener: Dr Jens Buß

14:00–14:10 **Opening words**

**Speaker**

Prof. Wolfgang Rhode

14:10–14:35 **Temporal Patterns in Sunspot Numbers: Analysis and Long-Term Prediction**

**Speaker**

Amal Saadallah

14:35–15:00 **ErUM-Data Proposal: Anomaly Detection with Dataset Shift (ADDS)**

**Speaker**

Mirko Bunse

15:00–15:20 **Coffee break**

15:20–15:45 **Geometry Optimization for Plasma Fusion Reactors**

**Speaker**

Zorah Lähner

15:45–16:10 **ErUM-Data Proposal: Intelligent and Reliable Sensors for Scientific Exploration (SenSE)**

**Speaker**

Jian-Jia Chen

16:10–16:35

**ErUM-Data Proposal: HEIKI - Holistic event interpretation methods using AI techniques for particle physics**

**Speaker**

Johannes Albrecht

16:35–17:00

**ErUM-Data Proposal: Physics-LLM - Application of Large Language Models for Research Data Management in Physics**

**Speaker**

Tim Ruhe

17:00