# DIGITALIZED WORKFLOWS FOR EXPERIMENTAL LABS

**Location:**
**TU Darmstadt, S1|03 Hörsaal/lecture hall 23**

**Date of first event:**
**21 February 2024**

**Register for free at:**
**https://t1p.de/tvu9t**

## WHAT WE OFFER

In a free novel workshop series, the NFDI-MatWerk traveling academy will visit <u>material science and engineering</u> (MSE) groups at specific research organizations and help them to identify the pain points in the digitalization.

**1** The first visit will aim on supporting the experimental materials scientists in self-identification of their specific pain points in the digitalization of research.

**2** After the priorization of the pain-points, we will create custom-tailored workshops that address the specific points for the second visit.

**3** During the second visit, lectures and hands-on workshops will teach the discussion partners and will improve the self-help knowledge. In addition, we will support the identification of software.

## YOUR BENEFITS

**Target groups: all experimental research groups and labs in MSE including people from all roles at the organization: "from technician & PhD student to professor"**

**1** Bringing the labs towards digitalization of scientific research and FAIR data management by identification the individual pain points and addressing these.

**2** Increase the research data literacy by solving research domain specific pain points.

**3** These digitalization steps will help MSE labs to reach FAIR goals for their future grant applications and support future machine learning.

Contact your local host:
· **Prof. Karsten Durst - k.durst@phm.tu-darmstadt.de**
 Physical Metallurgy, TU Darmstadt

· **Dr. Sebastian Bruns - s.bruns@phm.tu-darmstadt.de**
 Physical Metallurgy, TU Darmstadt

Contact at NFDI-MatWerk IUC05:
· **Dr. Steffen Brinckmann - s.brinckmann@fz-juelich.de**
 Structure and Function of Materials, Forschungszentrum Jülich

· **Dr. Julia Mohrbacher - julia.mohrbacher@imtek.uni-freiburg.de**
 Institut für Mikrosystemtechnik, University of Freiburg

### Schedule
  9:00 - 10.30: Welcome and Introduction of participants
10:45 - 12:15: Workshop 1: Introduction and execution
13:15 - 15:30: Workshop 2: Introduction and execution
15:45 - 16:45: Identification of pain-points and closing

NFDI MatWerk