

AiNT GmbH, ErUM-Data-Hub & LHC-ErUM-FSP Office present

Transfer Workshop: ErUM-Scientists & Industry in Dialogue

06.02.2025



We are delighted to welcome you

Organisation & Program:

- **AiNT GmbH**
- ErUM-Data-Hub
- **LHC ErUM FSP**
- Supported by DIG-UM



Here to help:

Jan Bürger, Benjamin Fischer, Martin Erdmann, **Sophia Haves**, **Marius Hoffmann**, **Gözde Özden**,
Judith Steinfeld, Angela Warkentin



First ErUM-Data & Industry Transfer Workshop in Aachen

WHY?

- Transfer of knowledge from ErUM-research to industry
- Identifying synergies, sharing ideas
- Discussing joint projects and job opportunities
- Reflection on future transfer measures



Big Data | Software & Algorithms | Artificial Intelligence

HOW?

Today:

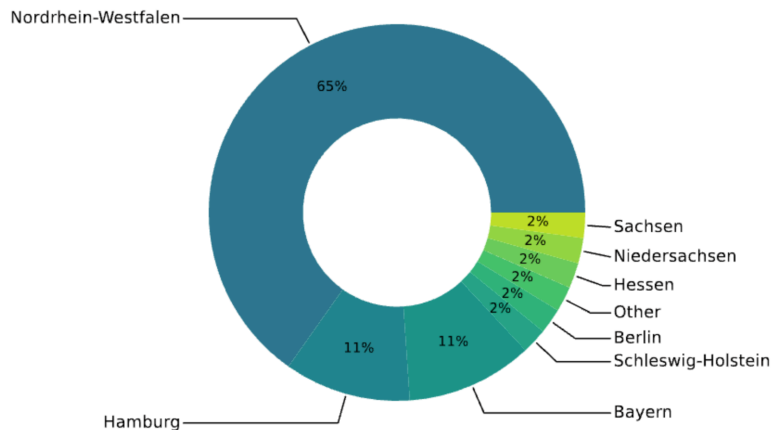
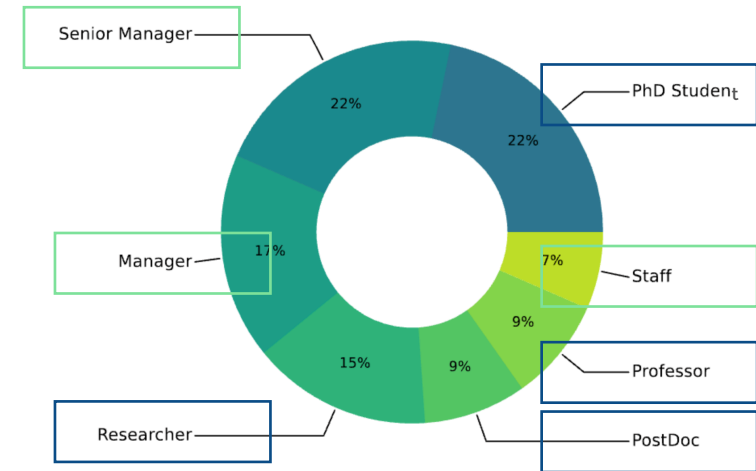
- Get to know ErUM-Scientists & Industry Experts
- Guided Networking Session
- Workshop Dinner

Tomorrow:

- Optional AiNT Lab visit

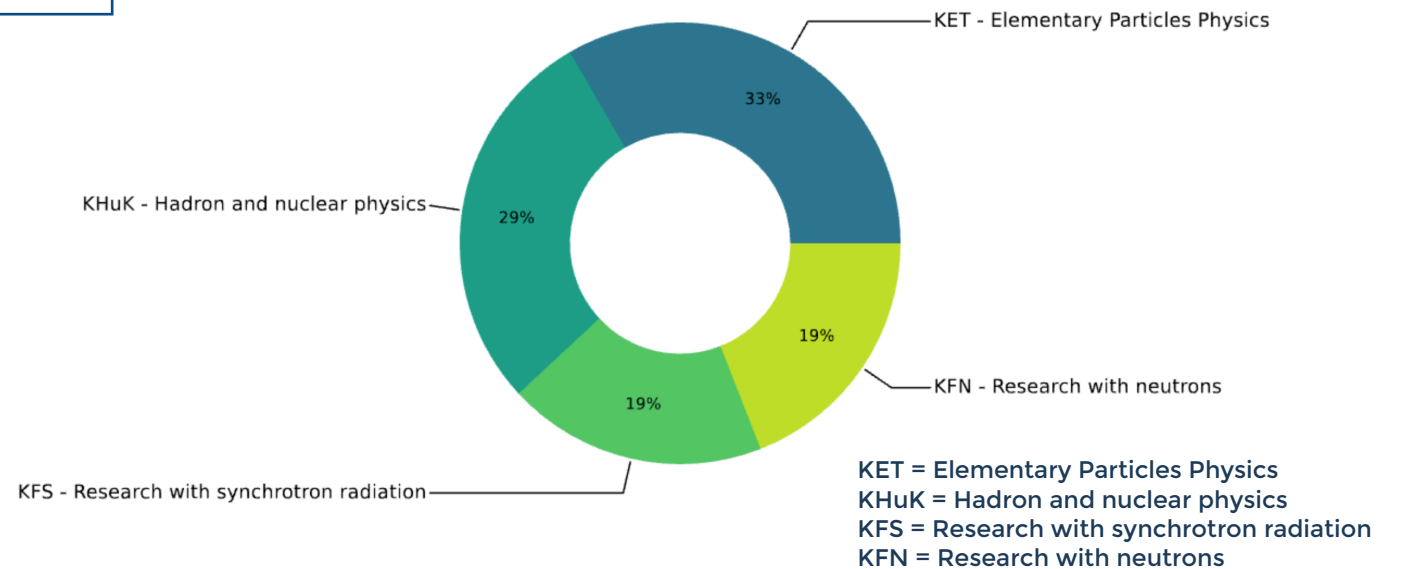


We are a mixed group with different perspectives



Industry

Science



Session 1:

What is ErUM-Data, who are we?

09:00	Welcome: Introduction & about today <i>Novotel Aachen</i>	09:00 - 09:10
	Introduction: ErUM-Data <i>Novotel Aachen</i>	09:10 - 09:20
	Introduction: ErUM-Data-Hub, DIG-UM Topic Groups & how to get in contact <i>Novotel Aachen</i>	09:20 - 09:28
	Introduction: LHC-ErUM-FSP-Büro <i>Novotel Aachen</i>	09:29 - 09:34
	Introduction: AiNT GmbH <i>Novotel Aachen</i>	09:35 - 09:45
	ErUM-Data Project: VIPR <i>Novotel Aachen</i>	09:45 - 10:00
10:00	Coffee <i>Novotel Aachen</i>	10:00 - 10:30



Session 2:

Talks: get to know the participating companies

10:00	Coffee <i>Novotel Aachen</i> 10:00 - 10:30
	Frank Gebhardt: NeuronalNetWorks! GmbH (15 + 5) <i>Novotel Aachen</i> 10:30 - 10:50
11:00	Gabriele Viebach: Evy-Solutions GmbH (8 + 2) <i>Novotel Aachen</i> 10:51 - 11:01
	Stephanie Käs: HybridLaunch (8 + 2) <i>Novotel Aachen</i> 11:02 - 11:12
	Thomas Kopinski: Project KIKO (8 + 2) <i>Novotel Aachen</i> 11:13 - 11:23
	Thomas Kopinski: Project Alisa34 (8 + 2) <i>Novotel Aachen</i> 11:24 - 11:34
	Elma Kerz: Exaia Technologies: Trustworthy AI for Real-World NLP and ML Applications in High-Stakes Industries (8 + 2) <i>Novotel Aachen</i> 11:35 - 11:45
	Alexander Willkomm: aixITem GmbH: Digital twins for nuclear decommissioning (8 + 2) <i>Novotel Aachen</i> 11:46 - 11:56
12:00	Industry: Poster-Session / Exhibition: HybridLaunch, anny GmbH, Evy Solutions GmbH, GAIA Lab & Time for Networking <i>Novotel Aachen</i> 12:00 - 12:30
	Group Picture <i>Novotel Aachen</i> 12:30 - 12:35
13:00	Lunch



Session 3:

Short-Pitches: get to know the participating scientists

14:00

Stephanie Käs: Seeing is Understanding: Training Machines to Recognize Human Actions	
<i>Novotel Aachen</i>	14:00 - 14:06
Patricio Farrell: Numerical methods for innovative semiconductor devices & KoMSO	
<i>Novotel Aachen</i>	14:07 - 14:13
Gabriel Gomes:	
<i>Novotel Aachen</i>	14:14 - 14:20
Stephen Jiggins: Neural Compression of Peta-Byte Scale Data at the LHC	<i>Stephen Jiggins</i>
<i>Novotel Aachen</i>	14:21 - 14:27
Loubna Kadri: Applying Information field theory for background removal in crystalline diffraction patterns	<i>Loubna Kadri</i>
<i>Novotel Aachen</i>	14:28 - 14:34
Sebastian Paripsa: RefXAS: an open access database of X-ray absorption spectra	<i>Sebastian Paripsa</i>
<i>Novotel Aachen</i>	14:34 - 14:40

Please upload your slides **by 1 pm** or send them to angela.warkentin@erumdatahub.de

15:00

Coffee	
<i>Novotel Aachen</i>	14:50 - 15:10
Ali Ashtiani: Bridging Science and Industry: Collaborative Opportunities with DAPHNE4NFDI	<i>Ali Ashtiani Abdi</i>
<i>Novotel Aachen</i>	15:10 - 15:16
Ivan Kisel: S2B as Science-to-Business	<i>Ivan Kisel</i>
<i>Novotel Aachen</i>	15:17 - 15:23
David Knezevic: Machine learning in neutron activation and gamma spectroscopy	
<i>Novotel Aachen</i>	15:24 - 15:30
Kai Krycki:	
<i>Novotel Aachen</i>	15:31 - 15:37
Markus Osterhoff: 3D X-Ray Microscopy using Synchrotron Radiation	<i>Markus Osterhoff</i>
<i>Novotel Aachen</i>	15:38 - 15:44

Session 5:

Guided Networking

	Guided Networking: Info <i>Novotel Aachen</i>	15:55 - 16:00
16:00	Coffee <i>Novotel Aachen</i>	16:00 - 16:20
17:00	Guided Networking <i>Novotel Aachen</i>	16:20 - 17:20
	Wrap-Up: Farewell <i>Novotel Aachen</i>	17:20 - 17:30



All Information & Materials on Indico:

<https://indico.desy.de/event/46056/>

6–7 Feb 2025
Novotel Aachen
Europe/Berlin timezone

Overview

Timetable

Contribution List

Registration

Surveys

Industry exhibition &
short-pitches

Payment

Workshop Venue

Accommodation

Recommendations in
Aachen

Workshop Dinner

AiNT Visit

Code of Conduct

Data Privacy Policy

FAQ

... What is ErUM?

... Am I part of ErUM?

... Who is hosting the
workshop?

Timetable

< Thu 06/02 Fri 07/02 All days >

Print PDF Full screen Detailed view Filter

08:00

Coffee & Snacks

Novotel Aachen

08:30 - 09:00

09:00

Welcome: Introduction & about today

Novotel Aachen

09:00 - 09:10

Introduction: ErUM-Data

Novotel Aachen

09:10 - 09:20

Introduction: ErUM-Data-Hub, DIG-UM Topic Groups & how to get in contact

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09:20 - 09:28

Introduction: LHC-ErUM-FSP-Büro

Novotel Aachen

09:29 - 09:34

Introduction: AiNT GmbH

Novotel Aachen

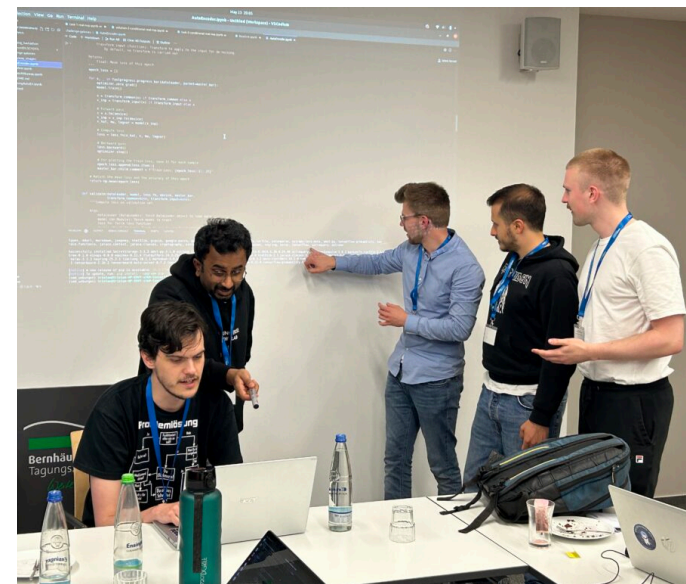
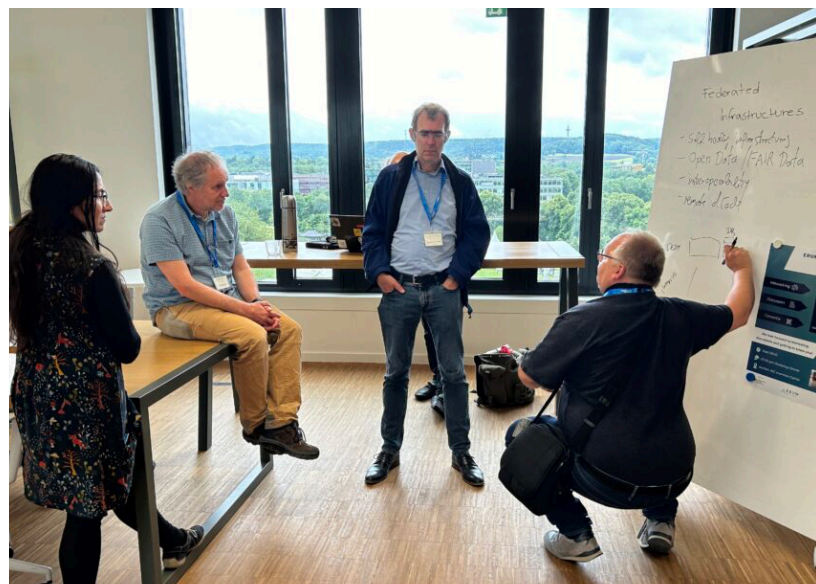
09:35 - 09:45

Internet Connection:

• ...



Get connected: use this opportunity to make new contacts!



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Have a Coffee and ask the others...

... what is your favourite or most used AI tool?



Have a Coffee and ask the others...

... what is something you just recently learned?



Have a Coffee and ask the others...

... what was your favourite talk today?

