ErUM-Data-Hub Report 2023

DIG-UM Annual Meeting

11.12.2023

Martin Erdmann, Peter Fackeldey, Benjamin Fischer, Ulla Lardinoix, Judith Steinfeld, Angela Warkentin (Presenter)
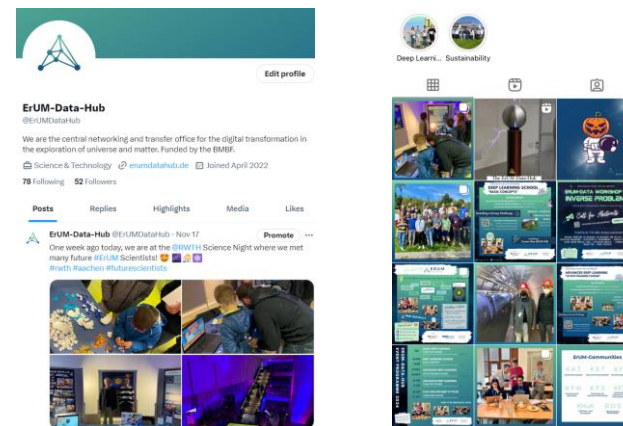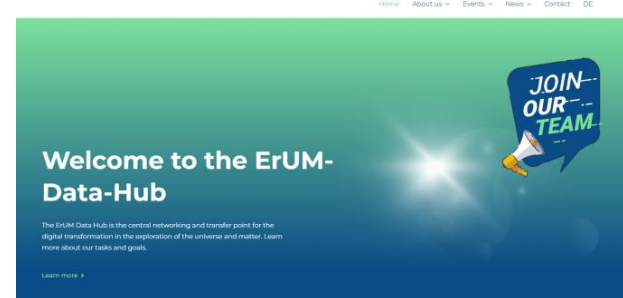
ERUM
DATA HUB

The second ErUM-Data-Hub year: expansion, growth and strong relationships

A growing Team

Univ. Prof. Dr. Martin Erdmann
Projektleitung

Angela Warkentin
Teamleitung

Peter Fackeldey
Wissenschaftlicher Referent

Benjamin Fischer
Technischer Support

Stefan Fröse
Wissenschaftlicher Referent

Judith Steinfeld
Wissenschafts-kommunikation

Ulla Lardinoix
Verwaltung

Join us
Unser Team wächst:
jetzt bewerben!

New communication channels

Building on successful experiences and gaining new ones

Workshops & Schools

Industry Fair Hannover-Messe

Disseminating digital competencies to a broad ErUM audience

2022

1. Deep Learning Train-the-Trainer Workshop „Basic Concepts"
2. Deep Learning Train-the-Trainer Workshop „Advanced Concepts"
3. Deep Learning School „Basic Concepts"
4. Active Training Course „Advanced Deep Learning"
5. Conceptual Advances in Deep Learning for Research in ErUM

Aachen, Wuppertal, Meinerzhagen, Wiehl
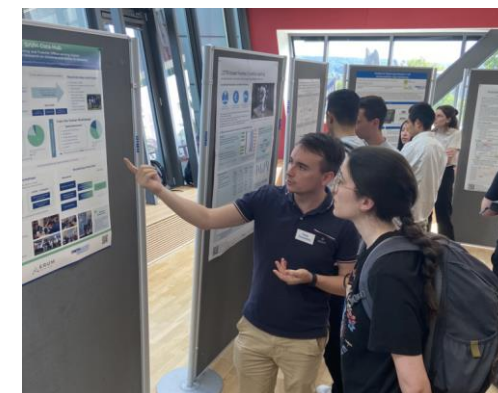
175 ErUM-Researchers reached

2023

1. **Deep Learning Train-the-Trainer Workshop „Basic Concepts"**
2. **Deep Learning Train-the-Trainer Workshop „Advanced Concepts"**
3. Deep Learning School „Basic Concepts" - Winter School
4. Deep Learning School „Basic Concepts" - Summer School
5. Active Training Course „Advanced Deep Learning"
6. **ErUM-Data Sustainability Workshop**
7. **ErUM-Data Workshop on Inverse Problems**
8. Research Data Management (DIG-UM Workshop)
9. Big Data Analytics (DIG-UM Workshop)
10. Next Generation Environment for Interoperable Data Analysis (DIG-UM Workshop)

München, Dortmund, Meinerzhagen, Bonn, Berlin, Hamburg

346 ErUM-Researchers reached

Target group-oriented program, focused on practical elements

05.12.2023

Providing high-quality contents for ErUM Scientists

Launching in February 2024:
The ErUM-Data-Hub Podcast

erumdatahub.de

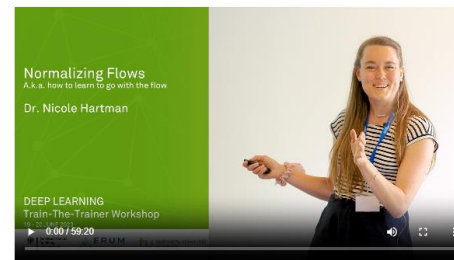Aimed at ErUM communities and the interested public

- General Information
- ErUM, DIG-UM
- Events & Documentation
- Contact, Links & Partner
- **Videomaterials**

Deep Learning Train-the-Trainer Workshop "Advanced Concepts"

Am 19. und 20. Juni 2023 luden DIG-UM und der ErUM-Data-Hub zum zweiten Mal zum Deep Learning Train-the-Trainer Workshop "Advanced Concepts" ein. Der diesjährige Workshop fand an der TU Dortmund statt und beinhaltete 4 spannende Voträge von einem herausragenden Speaker*innen-Team zu den Themen Graph Neural Networks (*Rasmus Ørsøe, TUM*), Autoencoder (*Thorben Finke, RWTH Aachen University*), Normalizing Flows (*Dr. Nicole Hartman, TUM*) und Diffusion Models (*Dr. Jakob Knollmüller, TUM*).

Indico

01.

Normalizing Flows

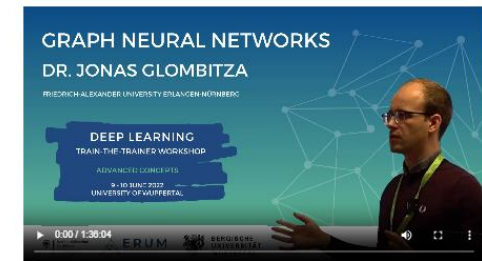Lecture by Dr. Nicole Hartman

Slides ›

02.

Autoencoder

Lecture by Thorben Finke.

Slides ›

Looking forward to an eventful 2024

- Challenging and exciting event program
  - **New Contents:** Computing, Tooling, Career Development
  - **New Concepts:** Online Software Workshop
  - **First international cooperation:** bringing pyHEP.dev to Aachen
- 2nd Participation at Hannover Messe
- Support of ErUM-Community Events
- Regular exchange with ErUM-(Data) Projects
- Visit of ErUM sites & offices
- → Expansion of the team

Outlook 2025:
- Collection of ErUM-Data needs and topics in 2024 (survey)
- First inquiries for joint events have already been received

ERUM-DATA-HUB
EVENT PROGRAMME 2024

26 FEB - 1 MAR DEEP LEARNING SCHOOL — BASIC CONCEPTS — WIEHL

25 MAR - 26 MAR DEEP LEARNING — TRAIN-THE-TRAINER — DRESDEN

21 MAY - 24 MAY ADVANCED DEEP LEARNING — ACTIVE TRAINING COURSE — FILDERSTADT

19 AUG - 22 AUG FAST AND EFFICIENT PYTHON — COMPUTING SCHOOL — AACHEN

26 AUG - 30 AUG pyHEP.dev — DEVELOPER'S WORKSHOP — AACHEN

MORE TO BE ANNOUNCED SOON!
> Conceptual Advances in Deep Learning
> Software & Tooling Workshop

22 APR - 26 APR HANNOVER MESSE

Registration & Contact:
www.erumdatahub.de
info@erumdatahub.de

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GEFÖRDERT VOM
Bundesministerium für Bildung und Forschung

ERUM DATA HUB

DIG-UM