Deep Learning and GPU Programming Workshop

6 – 8 November 2023

Survey

- Please fill out the online survey under

https://tinyurl.com/hdli3w23-survey
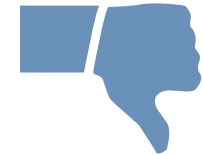
- This helps us to
  - increase the quality of the courses,
  - design the future training programme at LRZ and GCS according to your needs and wishes,
  - get future funding for training events.

Certificate

- A digital certificate for the whole workshop will be send to you if you have attended at least 2 days of the course.

What's next?

- Visit the NVIDIA Deep Learning Institute's website at https://www.nvidia.com/en-gb/training/ to access more training and resources.
  - Start online, self-paced training in deep learning and accelerated computing (using the account you created today).
  - View upcoming workshops around the world and request an onsite workshop at your company or organization
  - Learn about the University Ambassador Program.
- Ready to kick off a deep learning project or already working on one? Choose the best software and hardware solutions at https://developer.nvidia.com/deep-learning

NVIDIA DLI Workshops @ LRZ

- The **NVIDIA Deep Learning Institute (DLI) @ LRZ** offers hands-on training for developers, data scientists, and researchers looking to solve challenging problems with deep learning.
- Topics:
  - **Fundamentals of Deep Learning**
  - **Data Parallelism - How to Train Deep Learning Models on Multiple GPUs**
  - **Building Transformer-Based Natural Language Processing Applications**
  - **Fundamentals of Accelerated Computing with CUDA C/C++**
  - **Accelerating CUDA C++ Applications with Multiple GPUs**
  - **Scaling CUDA C++ Applications to Multiple Nodes**
  - **Fundamentals of Accelerated Computing with OpenACC**

- NVIDIA Certified **University Ambassadors @ LRZ:**
  - Dr. Momme Allalen, Dr. Juan Durillo Barrionuevo, Dr. Volker Weinberg

Upcoming Courses and Workshops @ LRZ
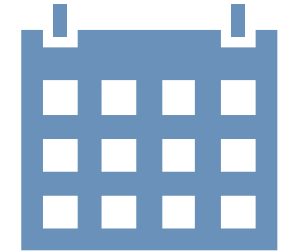
AI Training Series - Introduction to the LRZ Linux Cluster	16.11.2023 – 16.11.2023	HYBRID: ONLINE/LRZ	0.00 EUR	91	02.11.2023	Register now
Advanced Fortran Topics	28.11.2023 – 01.12.2023	ONLINE	30.00 EUR – 600.00 EUR	61	21.11.2023	Register now
AI Training Series - The LRZ Compute Cloud for AI Support	01.12.2023 – 01.12.2023	HYBRID: ONLINE/LRZ	0.00 EUR	94	08.11.2023	Register now
Node-Level Performance Engineering	04.12.2023 – 06.12.2023	ONLINE	30.00 EUR – 600.00 EUR	49	27.11.2023	Register now
AI Training Series - High Performance Data Analytics Using R at LRZ	13.12.2023 – 13.12.2023	HYBRID: ONLINE/LRZ	0.00 EUR	95	01.12.2023	Register now
Introduction to LRZ HPC Systems with Focus on CFD Workflows	13.12.2023 – 13.12.2023	ONLINE	0.00 EUR	58	07.12.2023	Register now
Introduction to ANSYS Fluent on LRZ HPC Systems	08.02.2024 – 21.03.2024	ONLINE	0.00 EUR	53	01.02.2024	Register now

Upcoming Courses and Workshops
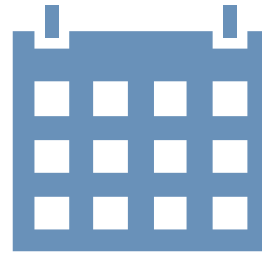
- **Information on further HPC courses and events:**
  - by the Partnership for Advanced Computing in Europe (PRACE): http://www.training.prace-ri.eu/
  - by LRZ: http://www.lrz.de/services/compute/courses/
  - by the Gauss Centre of Supercomputing (GCS): http://www.gauss-centre.eu/training
  - by German Centres (collected by the Gauß-Allianz): https://hpc-calendar.gauss-allianz.de/
  - by the EuroCC national competence centres: https://www.eurocc-access.eu/services/training/

Mailing Lists

- Subscribe via https://lists.lrz.de/mailman/listinfo/newsletter to get regular information on events, courses, workshops, positions etc. at LRZ.

Thank you!
We hope to see you again in a future training event!