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Deep Learning and GPU Programming Workshop

9 – 12 September 2024

Workshop material:
<https://tinyurl.com/hdli2s24>



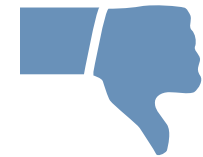
Survey



- Please fill out the online survey under



<https://tinyurl.com/hdli2s24-survey>



- This helps us to
 - increase the quality of the courses,
 - design the future training programme at LRZ according to your needs and wishes,
 - get future funding for training events.



Certificate of Attendance



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- A digital certificate of attendance for the whole workshop will be send to you in the next couple of days if you have attended at least 3 days of the workshop.
- NVIDIA certificates and courses in progress / completed can be found under <https://learn.nvidia.com/my-learning>

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 for this workshop).
 - 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



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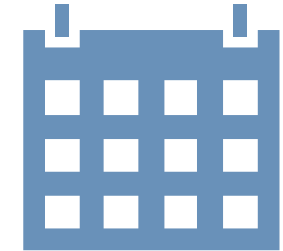
- The **NVIDIA Deep Learning Institute (DLI) @ LRZ** offers hands-on training for developers, data scientists, and researchers looking to solve challenging problems with deep learning.
- Topics:
 - **Fundamentals of Deep Learning**
 - **Data Parallelism - How to Train Deep Learning Models on Multiple GPUs**
 - **Model Parallelism: Building and Deploying Large Neural Networks**
 - **Applications of AI for Anomaly Detection**
 - **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

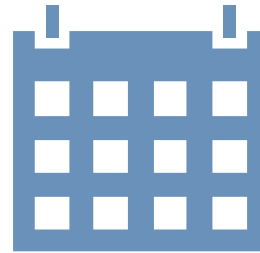


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Iterative Solvers for Linear Systems	17.09.2024 – 18.09.2024	Leibniz Rechenzentrum	25.00 EUR – 420.00 EUR	13	03.09.2024	Waiting list
Introduction to C++	22.10.2024 – 24.10.2024	ONLINE	30.00 EUR – 600.00 EUR	59	08.10.2024	Register now
Node-Level Performance Engineering	03.12.2024 – 05.12.2024	ONLINE	30.00 EUR – 600.00 EUR	50	19.11.2024	Register now
Modern C++ Software Design	09.12.2024 – 11.12.2024	ONLINE	30.00 EUR – 600.00 EUR	39	25.11.2024	Register now
Parallel Programming of High Performance Systems	18.02.2025 – 20.02.2025	Leibniz Rechenzentrum	0.00 EUR	32	04.02.2025	Register now

Upcoming Courses and Workshops



- **Information on further HPC courses and events:**

- 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 EuroHPC National Competence Centres: <https://www.eurocc-access.eu/services/training/>
- by European Centres and Projects: <https://hpc-portal.eu/upcoming-events-courses>

Mailing Lists



- Subscribe via <https://lists.lrz.de/mailman/listinfo/training-announce> to get regular information on education and training events at LRZ.
- Subscribe via <https://www.lrz.de/wir/newsletter/> to get the general LRZ newsletter.



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