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Deep Learning and GPU Programming Workshop

12 – 15 July 2021

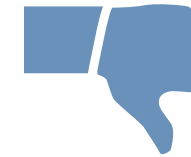
Survey



- Please fill out the PRACE online survey under



<https://tinyurl.com/dli-survey-lrz>



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

CSC Certificate



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- A digital certificate for the whole workshop will be send to you after the workshop (next week) if you have attended at least 3 days of the course.

What's next?



- Visit the NVIDIA Deep Learning Institute's website at <https://www.nvidia.com/en-gb/deep-learning-ai/education/> 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

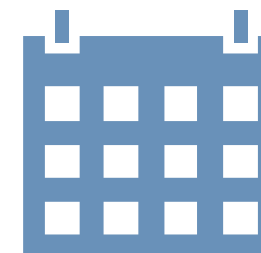


- The **NVIDIA Deep Learning Institute (DLI) @ LRZ** offers hands-on training for developers, data scientists, and researchers looking to solve challenging problems with deep learning.
- Topics:
 - **Fundamentals of Deep Learning**
 - **Building Transformer-Based Natural Language Processing Applications**
 - **Fundamentals of Deep Learning for Multi-GPUs**
 - **Fundamentals of Accelerated Computing with CUDA C/C++**
 - **Accelerating CUDA C++ Applications with Multiple GPUs**
 - **Fundamentals of Accelerated Computing with OpenACC**
- NVIDIA Certified **University Ambassadors @ LRZ:**
 - Dr. Momme Allalen, Dr. Juan Durillo Barrionuevo, Dr. Volker Weinberg
- NVIDIA Certified University Ambassador @ IT4Innovations: Georg Zitzlsberger

Upcoming Courses and Workshops



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Introduction to LRZ HPC Systems with Focus on CFD Workflows	21.07.2021 – 21.07.2021	ONLINE	0.00 €	49	✔	Register now
Iterative Solvers for Linear Systems	08.09.2021 – 10.09.2021	ONLINE	30.00 € – 600.00 €	36	🕒	Register now
Introduction to LRZ HPC Systems with Focus on CFD Workflows	15.09.2021 – 15.09.2021	ONLINE	0.00 €	63	🕒	Register now
Introduction to ANSYS CFX	18.10.2021 – 22.11.2021	ONLINE	0.00 €	63	🕒	Register now
Building Transformer-Based Natural Language Processing Applications	19.10.2021 – 19.10.2021	ONLINE	0.00 €	45	🕒	Register now
Introduction to ANSYS Fluent	28.10.2021 – 02.12.2021	ONLINE	0.00 €	57	✔	Register now
Modern C++ Software Design	17.11.2021 – 19.11.2021	ONLINE	30.00 € – 600.00 €	60	✔	Register now
Advanced Fortran Topics (register via PRACE)	23.11.2021 – 26.11.2021	ONLINE	0.00 €	65	🚫	

PRACE Training



LRZ as part of the Gauss Centre for Supercomputing (GCS), VSC and IT4Innovations belong to the 14 **PRACE Training Centres** that started in 2012-2017-2020:

- Barcelona Supercomputing Center (Spain)
- CINECA Consorzio Interuniversitario (Italy)
- CSC – IT Center for Science Ltd (Finland)
- EPCC at the University of Edinburgh (UK)
- Gauss Centre for Supercomputing (Germany)
- Maison de la Simulation (France)
- GRNET – Greek Research and Technology Network (Greece)
- ICHEC – Irish Centre for High-End Computing (Ireland)
- IT4I – National Supercomputing Center VSB Technical University of Ostrava (Czech Republic)
- SURFsara (The Netherlands)
- TU Wien – VSC Research Center (Austria)
- University ANTWERPEN – VSC & CÉCI (Belgium)
- University of Ljubljana – HPC Center Slovenia (Slovenia)
- Swedish National Infrastructure for Computing (SNIC) (Sweden)



Univerza v Ljubljani



Irish Centre for High-End Computing

VSB TECHNICAL UNIVERSITY OF OSTRAVA

IT4INNOVATIONS NATIONAL SUPERCOMPUTING CENTER



Mission: Serve as **European hubs and key drivers of advanced high-quality training** for researchers working in the computational sciences.

<http://www.training.prace-ri.eu/>



Upcoming Courses and Workshops



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- **Information on further HPC courses:**

- 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/>

Mailing Lists



- Subscribe via <https://lists.lrz.de/mailman/listinfo/aktuell> to get regular information on events, courses, workshops, positions etc. at LRZ.
- Subscribe via <https://prace-ri.eu/subscribe-to-prace-mailing-lists/> to the PRACE training mailing list, to get regular information on PRACE training.



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Thank you!

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