

CoE RAISE All-Hands Meeting @UOI

29.08.2023

6.1 Training and Education as services

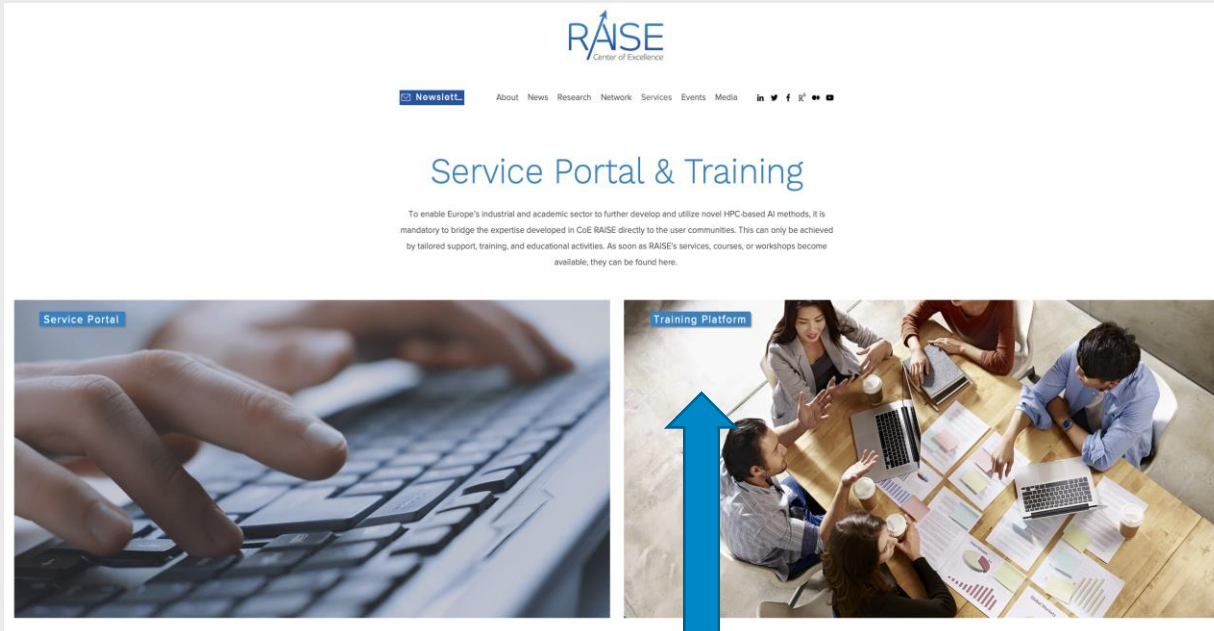
Ilmars Slaidins (RTU)

Task 6.1 Training and Education

- **D6.1** Accessible and extendible online **educational services platform** including webinars, e-learning, MOOCs, etc. (M6) -**Done**
- **D6.3 Educational portfolio document** (Periodically updated document describing the change of education portfolio in accordance to RAISE developments and industrial/academic needs) (**D6.2 M12 - Done, D6.3 M24 - Done, D6.4 from M36 to M42**)
- **MS3 (milestone) M16.** «Educational portal is online; first trainings have taken place»
- Contributors: FZJ, UOI, RWTH, BSC, RTU, FM

Online educational services platform

The educational services platform – under «Services»




Training Platform

RAISE Educational services platform

You can find a lot of courses, training events and workshops on our platform related to the artificial intelligence (AI) domain. In general, AI-related scholarly activities and education are now available in a large variety of communication formats and their combinations. On the platform, using the keywords, you can search for educational resources from the ones collected and published on this WEB resource. The built-in filter algorithms allow you to search, choosing the AI application fields, distinct topics, education level, course format and language. Therefore, we will help you to find the most appropriate AI-related resources.

[Connect](#)



«About» the educational services platform



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Welcome to RAISE Educational services platform!

You can find a lot of courses, training events and workshops on our platform related to the artificial intelligence (AI) domain. In general, AI-related scholarly activities and education are now available in a large variety of communication formats and their combinations. On the platform, using the keywords, you can search for educational resources from the ones collected and published on this WEB resource. The built-in filter algorithms allow you to search, choosing the AI application fields, distinct topics, education level, course format and language. Therefore, we will help you to find the most appropriate AI-related resources.

How to search with filtering

On the platform, we provide a search method utilising filtering setup combinations. To keep the search indicative, users can choose two items from the list of Topics and Fields. At the same time, by doing language filtering, a user can have at most three choices in one search. In contrast, just one option is possible at the education Level selection. In practice, there is a great diversity in education and training Formats; therefore,

- CoE RAISE partners can upload information on courses and training events
- Users see upcoming events and can search appropriate course or event
- 5 groups of criteria: Topic, Field, Language, Format and Level
- Format with 2 levels. First level choice:
 - Face-to-Face
 - Online teaching/training
 - Distance learning
 - Self-learning

Courses view (November 2022)



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Active Courses and Future Events

Right now, you can follow: 3 active courses/events

AC
tive

A.I. DEVELOPER - DATA OPERATOR

1 2021-12-12 - 2022-12-02 * **Beginners**

BeCode, Syntra & Microsoft

31
Dec

From zero to hero, Part I: Understanding and fixing on-core performance bottlenecks

2 2022-12-31 - 2022-12-31 * **Advanced**

JSC

08
Dec

Introduction to machine learning in the application area of fluid mechanics and combustion using HPC

3 2022-12-08 - 2022-12-08 * **Intermediate**

JSC

We have in total: **120** resources

Filters

[Reset Filters](#)

by Categories:

Topics >

Level >

Fields >

Formats >

Languages >



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Active Courses and Future Events

Right now, you can follow: 5 active courses/events

- 18 Sep**
CISM course "Scientific Machine Learning in Design Optimization"
1 2023-09-18 - 2023-09-22 * **Intermediate**
ECCOMAS
- 24 Sep**
2nd IACM Mechanistic Machine Learning and Digital Engineering for Computational MMLDE CSET Science Engineering and Technology
2 2023-09-24 - 2023-09-27 * **Intermediate**
IACM

We have in total: **173** resources

Filters [Reset Filters](#)

Search by Category:

- Topics >
- Level >
- Fields >
- Formats >
- Languages >



Ongoing improvements ...

- Events combining Face-to-Face and Online teaching formats
- We introduced option to choose both formats:
Face-to-Face and **Online teaching/traning**
- After the event, video recordings are found under **Self-learning**
- Could we please get from recordings of events from partners?

Formats ▾

- Face-to-Face
- Online teaching/training
- Distance learning
- Self-learning

FORMAT
Face-to-Face
select Sub-Format

- Workshop/Tutorial
- Micro-credential/Expert Track
- Hands-on/Guided project
- Project/Teamwork/Hackathon
- Lecture
- Degree programme
- Lecture with hands-on (practice)
- Summer School
- Short Course

1. Select *FORMAT(s)*

- Face-to-Face
- Online teaching/training

2. Select up to three *SUB-FORMATS*

- Lecture
- Lecture with hands-on (practice)
- Workshop/Tutorial/Webinar
- Project/Teamwork/Hackathon
- Hands-on/Guided project
- Short Course
- Summer School
- Micro-credential/Expert Track
- Degree programme

[Close dialog](#)

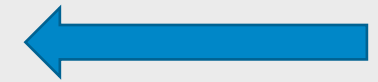
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[Close dialog](#)



About content also
has been updated

Promotion of the Educational services platform

- The educational service platform was presented at the EAEEIE 2022 conference (Coimbra, PT)
- Presentation during the EuroCC workshop in Riga (4-6, October 2022).
- Joining the education and training network of EuroCC2/Castiel2/CoEs
- "CoE Code of the Month" with RAISE in July organized by CASTIEL2
- AI Insights Episode 3

CoE RAISE
707 followers
2w · 🌐

📺 The recording for episode 3 is in progress
Dr. Andreas Lintermann meets **Ieva Timrote**, a Training Officer from the **Rīgas Tehniskā universitāte (Riga Technical University) High Performance Computing Centre**. Stay tuned...
You can watch episode 1 & 2 on our YouTube channel.
👉 <https://lnkd.in/eYzj8JF>
Forschungszentrum Jülich

AI INSIGHTS
Episode 3

Education and training portfolio

Deliverable D6.2 (M12)

- Education portfolio in accordance to RAISE developments and industrial/academic needs
- **Main focus on AI in engineering applications using HPC**
 - General overview and upgrade of classification system
 - Courses, degree programs and training **resources from the RAISE partners**
 - Courses the **PRACE, Focus CoE net, EuroHPC and Azure, IBM** etc.
 - Open Educational Resources from the **FutureLearn, Udemy, Coursera**
- **Upgrades in the Educational service platform**
 - Expert track, specializations, micro-credentials
 - Guided projects like hands-on
- **Altogether 78 educational resources**

Deliverable D6.3 (M24)

- Upgrade of the Educational service platform and the portfolio
- AI in engineering applications using HPC
 - IEEE training events
 - EU IT Certification Institute
 - MIT, Harward Uni etc.
- Upgrades in the Educational service platform
 - Review of existing portals
 - Improved view and functionality
 - New formats added: short course, video, article
- Altogether 152 educational resources
-

Next steps ...

- Upgrade of the Educational services platform:
 - Video instruction of the Platform usage
 - Registered users can choose what kind of info (e.g. Course topic) on a new content they will receive
 - Analysis and extension of the course portfolio (covering all Topics and Levels)
- Promotion of the Educational services platform:
 - “AI Insights” with advice for users on particular topics, course sequence etc.
 - CoE RAISE participation in the Baltic HPC & Cloud Conference 2024 (April) in Riga
 - etc ...
- Sustainability and networking in education and training:
 - Collaboration with EuroCC2/CASTIEL 2 and other CoEs
 - Linking of the training portals

Thank you!

drive. enable. innovate.



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