FAIR
The Universe in the Laboratory
European
GNURadio
Days 2024
27th - 30th August
Darmstadt, Germany +
Welcome
2024-08-27, Tuesday
femto-st
xlim
HELMHOLTZ
citi Lab
#KDAB
GSI
FAIR

FAIR The Universe in the Laboratory

European GNURadio Days 2024
27th - 30th August
Darmstadt, Germany

- 7th instalment of European GNU Radio Days
- First time hosted outside of France, in Darmstadt, the "City of Science"
- Key event for the European Software-Defined-Radio community
  - focus on advancing SDR technology and fostering innovation
- Special Theme: Launch of GNU Radio 4.0, bridging academia and industry

^{110}Ds
Darmstadtium
[279, 281]

About the Event & Venue

femto-st Xlim HELMHOLTZ citi lab KDAB GSI FAIR

The Universe in the Laboratory

European GNURadio Days 2024
27th - 30th August
Darmstadt, Germany

Tuesday 27th	Wednesday 28th	Thursday 29th	Friday 30th	Saturday 31th
Keynote #1 Eric Blossom 9:00-10:30	**Keynote #2** Johan Messchendorp 9:00-10:30	**Keynote #3** Josh Morman 9:00-10:30	**Contributed Talks** Karakose, Koroglu 9:00-10:00	**Guided Tutorials cont'd** Committee Meetings, Follow-Ups, Discussions, etc. 9:00-open-end
Coffee Break 10:30-11:00				
Talk Stadlmann 11:00-11:30	**Contributed Talk** Weible 11:00-12:00	**Contributed Talks** Friedt, Estévez 11:00-12:30	**Guided Tutorials** developers 11:00-12:30	
Lightning Talks 11:45-11:50	**Lightning Talks** 11:45-11:50	**Lightning Talks** 11:45-11:50	**Lightning Talks** 11:45-11:50	
Lunch 12:30-13:30				
Tutorial 1 GR 4.0 Concepts 13:30-15:00	**Outreach** (public talks in German) 14:00-14:45; **Lab-Tours** 13:30-17:30	**Tutorial 3 & 4** dev and non-dev 13:30-15:00	**Guided Tutorials** developers 13:30-15:00	
Coffee Break 15:00-15:30				
Tutorial 2 non-devs; developers 15:30-17:00		**Guided Tutorials** developers 15:30-17:00	**Guided Tutorials** developers 15:30-16:30	
Social Dinner on-site 18:00-21:00	**Kalkofen** Beer Garden 18:00-21:00		**Feedback & Wrap-Up** 16:30-17:30	

Program in detail:

Programme

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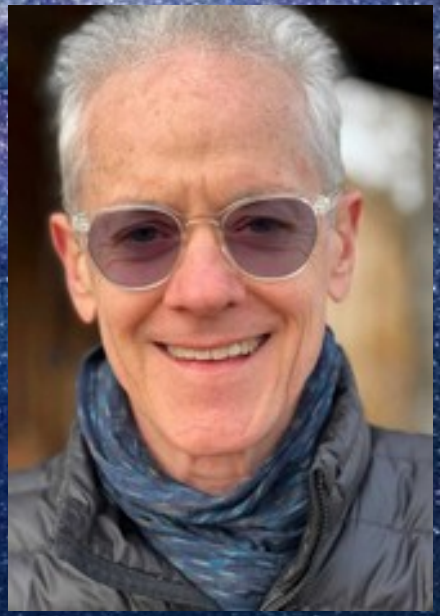
Eric Blossom



Johan Messchendorp

Josh Morman

Keynote Speakers

femto-st SCIENCES & TECHNOLOGIES

xlim

HELMHOLTZ

citi Lab

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Coffee Break				
Talk Stadlmann 11:00-11:30	Contributed Talk Weible 11:00-12:00	Contributed Talks Friedt, Estévez 11:00-12:30	Guided Tutorials	
Lightning Talks	Lightning Talks	Lightning Talks	Lightning Talks	
Lunch				
Tutorial 1	Outreach Lab-Tours	Tutorial 3 & 4 13:30-15:00	Guided Tutorials 13:30-15:00	
Coffee Break				
Tutorial 2 Tutorial 2		Guided Tutorials 15:30-17:00	Guided Tutorials 15:30-16:30	
Social Dinner 18:00-21:00	Kalkofen 18:00-21:00		Feedback & Wrap-Up 16:30-17:30	

Program in detail:

Contributed Talks

Programme

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Coffee Break				
Talk	Contributed Talk	Contributed Talks	Guided Tutorials	
Lightning Talks 11:45-11:50	Lightning Talks 11:45-11:50	Lightning Talks 11:45-11:50	Lightning Talks 11:45-11:50	
Lunch				
Tutorial 1	Outreach / Lab-Tours	Tutorial 3 & 4 13:30-15:00	Guided Tutorials 13:30-15:00	
Coffee Break				
Tutorial 2 / developers 15:30-17:00		Guided Tutorials developers 15:30-17:00	Guided Tutorials developers 15:30-16:30	
Social Dinner on site 18:00-21:00	Kalkofen 18:00-21:00		Feedback & Wrap-Up 16:30-17:30	

Program in detail:

Lightning Talks

free-for-all, 5” each

… spontaneous,
… stimulating,
… entertaining,
…

still open slots available
→ contact our media-team/ organisers
(ideally the day before ↔ file upload)

Programme

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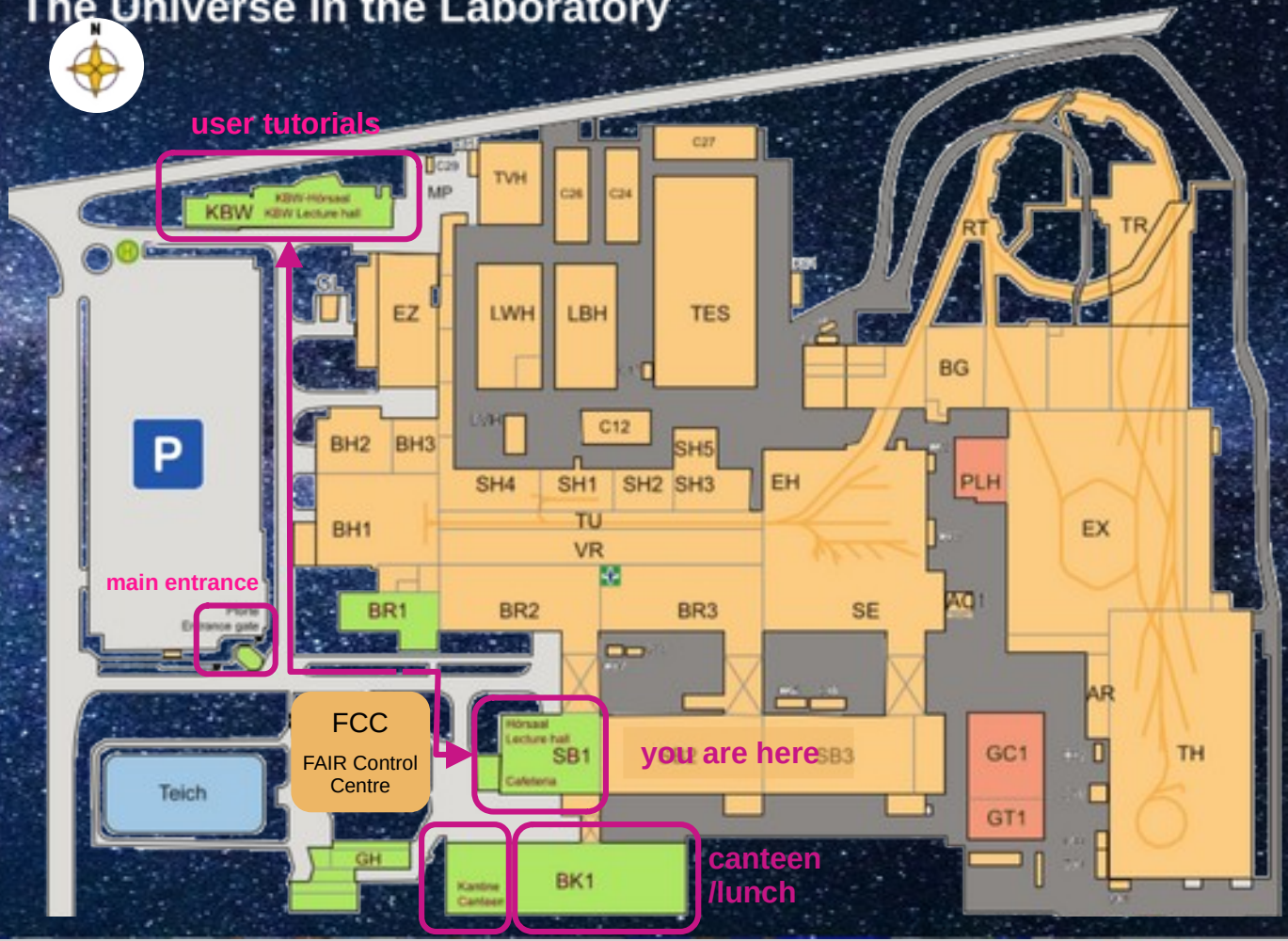

Please stay within the green | grey designated areas

For your personal safety, we kindly ask that you avoid venturing into other areas, as this is an industrial facility with specific safety considerations.

GSI Access Map

social event | workshop photo
(Tuesday) (Wednesday)

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Tutorial 1	Outreach	Tutorial 3 & 4 13:30-15:00	Guided Tutorials 13:30-15:00	
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Coffee Break				
Tutorial 2		Guided Tutorials 15:30-17:00	Guided Tutorials	
Social Dinner 18:00-21:00	Kalkofen 19:00-21:00		Feedback & Wrap-Up 16:30-17:00	

Program in detail:

Programme – Lab-Tours & Workshop Photo

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Wednesday: Workshop Photo just before Lunch
(in front of the restaurant/cafeteria, 12:00)

@europeangnuradiodays1445
@GNURadioProject

https://tinyurl.com/GRDays24

Keynotes, Talks & Tutorials

live-streamed & recorded for posteriori

Photos & GDPR

please be respectful about GSI/FAIR representation & people's rights

we will screen

& post links

Live-Stream, Recordings & Photos

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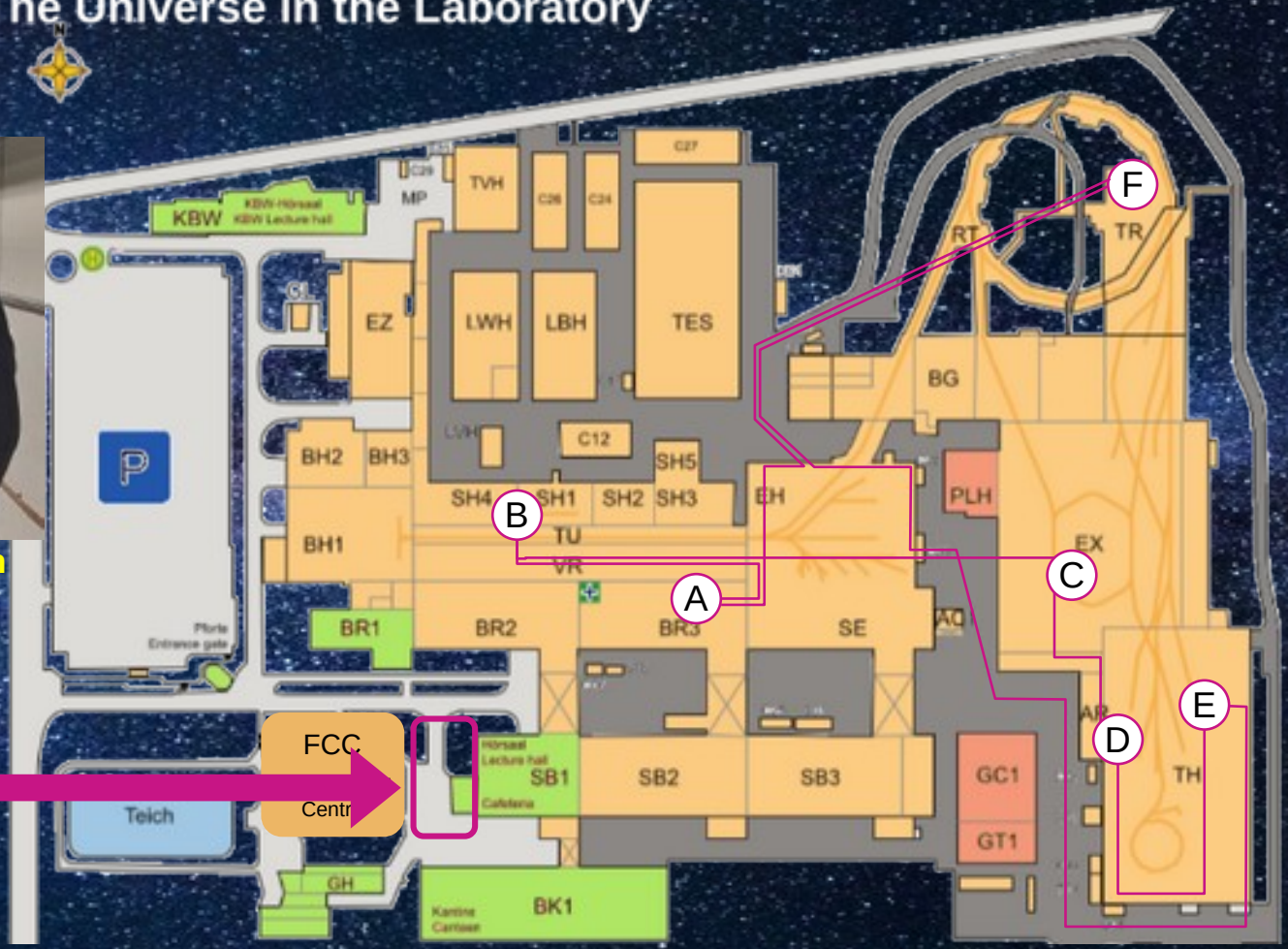
Dr. Jens Stadlmann



both tours start here

GSI-Tour (~1.5h):

A: Main Control Room

B: Unilac
(Universial Linear Accelerator)

C: ESR
(Experimental Storage Ring)

D: Medical Cave
(cancer treatment R&D)

E: HADES

F: FAIR Platform

FAIR-Site-Tour (~1.5h)
(try to do safety intro early)

GSI (open) & FAIR Tour (pre-registered only)

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1. **Faraday Cup/Cage**: *keeping your coffee safe from unwanted electromagnetic interference!*
2. **RF cantenna**: *… almost, but you might spill your coffee*
3. **String Can Telephone**: … getting warmer — just like your coffee!

…

101. …

101 things you can do with the workshop cup ...

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… *sharing an idea over a coffee, tea, or other beverage*

… *use it as a conversation starter*

… *grow the community and eco-system around GNU Radio*

All are Welcome!

Tuesday: Social Event – On Site > 18:00

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Please check your badge for
- direction
- vouchers

Let us know if you need any other assistance!!

Check with Maria for badges!

Wednesday: Social Event @Kalkofen, >18:00

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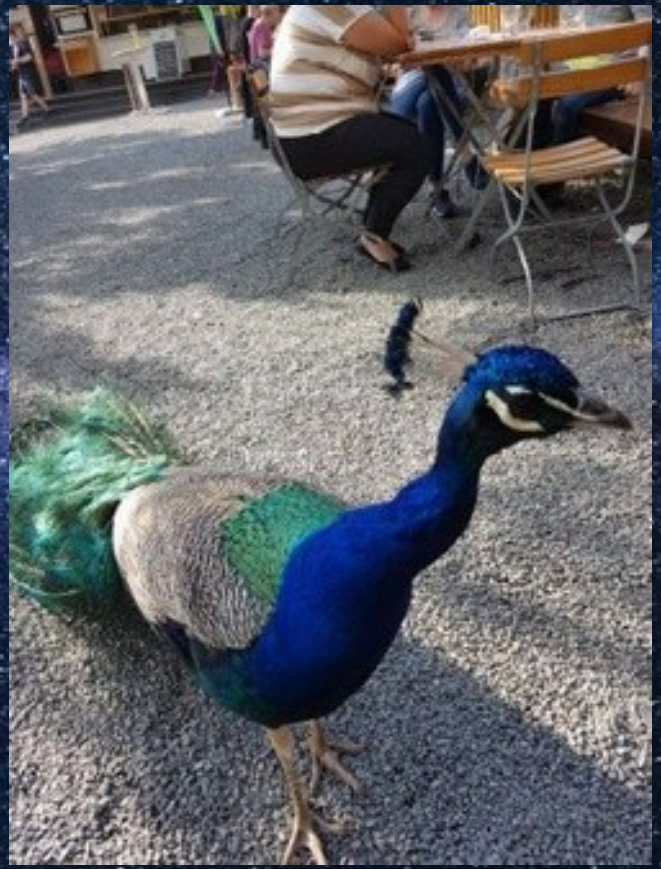

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Public +

- **eduroam**
- **GSI-FAIR-Guest-WiFi &**
- **LAN**
  (available at tables in the main lecturing hall).

… please use responsibly,
… respect others' IP rights, and
… keep it professional

Also on on Matrix:
https://matrix.to/#/#EuropeanGNURadioDays24:gnuradio.org

Tutorial prep: https://tinyurl.com/EUGnuRadioDays24

Any Questions & Suggestions
→ please ask an Organiser