

LDAC 2024 PRACTICAL GUIDE 10-14 June, Bochum

This document collects all practical information that you need to be able to comfortably participate in the LDAC2024 summer school and workshop in Bochum.

<https://linkedbuildingdata.net/ldac2024/>



Congratulations, you are participating in the LDAC2024 Summer School and Workshop. With this guide, you will know what you can find where and when. In case of doubts or further questions, contact the organisers at ldac2024@linkedbuildingdata.net.

VENUE

The LDAC2024 Summer School and Workshop takes place in the innovation quarter Mark 51°7 at Ruhr University Bochum (RUB). This venue is located in the center of the Ruhr metropolitan region in Germany. With almost 70 hectares in size and the motto “knowledge creates economy”, the emerging innovation quarter focuses on bringing together research and industry - right adjacent to Bochum's city center.



For this LDAC week, two locations are important:

1. RUB-Makerspace: Summer School venue (Monday – Wednesday)
2. ZESS Building: Workshop (Thursday – Friday)

Both locations are located outside the center of Bochum. You can reach both locations by Tram line, as explained below.



<https://maps.app.goo.gl/VUPLWQr4QiSnb6DN8>

PUBLIC TRANSPORT

Public transportation tickets are available via [VRR](#). A single ticket costs 3.40€, a 24-hour ticket costs 8.30€.

If you use regional trains (RE) to get from the airport to Bochum, a “Deutschlandticket” might be the best option for you. With this ticket, you can use all public transport in Germany within one month for 49€. This ticket is available via [Deutsche Bahn](#). **Attention:** this ticket comes within a monthly subscription. If you only want to use it for LDAC in June, **please make sure to cancel it afterwards.**

Tram to LDAC Summer School at RUB-Makerspace

- From Bochum central station, tram line **302** (direction Bochum, “O-Werk”) from platform 22 takes you to LDAC2024 Summer School.
- It leaves every 15 minutes.
- To get to RUB-Makerspace, exit at “**O-Werk**” and walk towards the main building at Suttner-Nobel-Allee 4, 44803 Bochum.
- It’s a 2-minute-walk.

- The Makerspace is on the ground floor, where signs will point you to the Summer School.

Tram to LDAC Workshop at ZESS

- From Bochum central station, tram lines **305** and **310** take you to the LDAC2024 from platform 22. To get to ZESS, exit at “**Mark 51°7**”.
- You can also use tram line **302** and exit at “**Bochum, Max-Planck-Institut**”.
- Either way, a five-minute walk takes you to the main building at Hans-Dobbertin-Str. 8, 44803 Bochum.
- The workshop takes place on the ground floor, where signs will point you to the Workshop.

COMMUNICATION

No official groups or communication channels are set up centrally (e.g. MS Teams, Slack or other). Everybody is encouraged to talk and go ahead locally.

For the entire week, we do create a WhatsApp group. This is entirely optional and not moderated. While we will use this to send last-minute communication, this will be limited, and the primary channel of communication still remains the event itself, supported by the website: <https://linkedbuildingdata.net/ldac2024/>. On the website, you can find all available publications, papers, and presentations, as soon as they are available.

Join the LDAC2024 group here:



PROGRAM

LDAC 2024 consists of a **3-day Summer School**, followed by a **2-day workshop**. This includes keynote presentations, plenary research paper sessions, and an industry track on Thursday. The program is explained in chronological order below, with more details for each part.

LDAC LINKED DATA
IN ARCHITECTURE
AND CONSTRUCTION

SCHEDULE LDAC2024 LINKED DATA IN ARCHITECTURE AND CONSTRUCTION WEEK 10 - 14 June 2024

		SUMMER SCHOOL OF LDAC (SSoLDAC)			LDAC2024 Workshop	
		<u>Location:</u> RUB Makerspace, Suttner-Nobel-Allee 4, 44803 Bochum			<u>Location:</u> ZESS, Hans-Dobbertin-Str. 8, 44803 Bochum	
	Sunday, 09.06.	Monday, 10.06.	Tuesday, 11.06.	Wednesday, 12.06.	Thursday, 13.06.	Friday, 14.06.
09:00		Registration, Welcome and Opening	Welcome session	Keynote Ekaterina Petrova	Opening / Keynote Raúl García-Castro	Keynote Martin Voigt
09:30		Basics of Linked Building Data (LBD) Jeroen Werbrouck	Advanced Ontologies María Poveda-Villalon			
10:00			COFFEE BREAK	COFFEE BREAK	Research Session "CONSTRUCTION"	Research Session "ONTOLOGIES"
10:30		COFFEE BREAK	LBD and Building Maintenance Anne Göbels			
11:00		LBD and Ontologies Alex Donkers		LBD and Spatial Querying Oliver Schulz		
11:30		Hackathon challenges	LUNCH BREAK			
12:00		LUNCH BREAK		LUNCH BREAK	LUNCH BREAK	
12:30		Hands-on Interaction and Querying Pieter Pauwels	Hackathon			Hackathon
13:00				COFFEE BREAK	COFFEE BREAK	
13:30		Transfer to RUB Campus (Bus)	Hackathon			Hackathon
14:00				Guided Tour RUB Botanical gardens and campus		
14:30						
15:00						
15:30						
16:00						
16:30						
17:00						
17:30						
18:00						
18:30						
19:00	Welcome reception Table reserved at 19.00 <u>Location:</u> Tequilaria Bochum Rottstraße 34, 44793 Bochum		Summer School Dinner <u>Location:</u> Food Truck RUB Makerspace	LDAC joint opening reception	Workshop Dinner LDAC SummerSchool Hackathon Winner Announcement <u>Location:</u> Strätlingshof, Altenbochumer Str. 64, 44803 Bochum	
19:30						
20:00			Hackathon			
20:30						
21:00						
21:30						
22:00						
22:30						

WELCOME RECEPTION

All Summer School participants are invited to join the informal welcome reception on Sunday evening (June 9). It takes place at [Tequilaria Bochum](#) (Rottstraße 34, 44793 Bochum). The costs of this reception are not covered by LDAC.



SUMMER SCHOOL

The Summer School will take place from 10-12 June at [RUB-Makerspace](#). The address is Suttner-Nobel-Allee 4, 44803 Bochum. Via public transport you need 15-20 minutes to get there, depending on the tram schedule.



START AND END

- The school starts on Monday, June 10, at 9 o'clock. You are welcome from 8.30 onwards on-site.
- During the entire week, participants have several slots to work on the hackathon. During that hackathon, which takes place on site, guidance will be given by lecturers, challenge owners and organisers.
- IMPORTANT: all SSoLDAC participants will present the results of their work on Thursday afternoon, right after the lunch break, and before the poster and industry track!

WHAT TO BRING

- your laptop
- Software will need to be installed during the summer school, of course.
- Coding environments, e.g. [MS Visual Studio Code](#)
- [Python 3.7+](#)
- An [Ontotext GraphDB](#) installation

Lunch and coffee breaks will be provided by LDAC, as well as the summer school dinner on Tuesday.

HACKATHON

Next to lectures, the Summer School also has a hackathon where participants can show their newly learned skills while solving practical challenges together with peers. Each challenge is guided by a Champion that is an expert on the topic. Picking a challenge and creating a group will all be done during the first day of the summer school.

The four challenges are:

Bochum goes LBD

Championed by Sven Zentgraf, Ruhr University Bochum
on integrating Bochum's cultural heritage information using semantic web technologies

Outer Space

Championed by Anne Göbels and Oliver Schulz, RWTH Aachen
on querying spatial relationships between heterogeneous information

What the Check!?

Championed by Ruben Verstraeten, Ghent University
on regulation checking using semantic web technologies

It's not my fault!

Championed by Ekaterina Petrova, Eindhoven University of Technology
on visualizing ML-based fault detection using knowledge graphs

The Hackathon results will be presented in a 6-minute presentation plus 4-minute discussion on Thursday during the LDAC workshop.

SSOLDAC ONLINE INTRODUCTION

An online introduction will be hosted via Microsoft Teams on **Monday, June 3 from 15h00-16h30 CET**. It is optional to join this meeting. In the meeting, we will introduce the challenges and answer questions that you might have, so that you're fully prepared when travelling to Bochum!

GUIDED TOUR

On Monday (June 10), there will be a **guided tour** of the [Chinese Garden](#), which is part of Ruhr-University Bochum's Botanical Garden. It is located on the RUB-Campus, near N-Südstraße 6. All summer school participants can use the organized bus transport to get there. The group will be split in two to visit the garden.



Photo: Chinesischer Garten e.V.

After the dinner, you are free to go for dinner wherever you like. A suggested dinner place is [Q-West](#), which is also on the RUB-Campus. Afterwards, you may choose to continue working on your hackathon project at the Chair of Computing in Engineering (building IC).

You can find a campus map here:

<https://www.ruhr-uni-bochum.de/anreise/download/campusplan-en.pdf>

JOINT OPENING RECEPTION

On Wednesday evening, the LDAC Joint Opening Reception takes place at [RUB-Makerspace](#). The address is Suttner-Nobel-Allee 4, 44803 Bochum. All participants from the summer school and the workshop are invited to gather at the summer school location and enjoy the evening on the patio.

Registration for the workshop is possible at the entrance of the RUB-Makerspace.

LDAC WORKSHOP

The LDAC Workshop takes place from 13-14 June at [ZESS \(Research Centre for the Engineering of Smart Product Service Systems\)](#). The address is Hans-Dobbertin-Str. 8, 44803 Bochum. Via public transport you need 15-20 minutes to get there, depending on the tram schedule.



REGISTRATION

The registration desk for the workshop opens on Wednesday 12 June, and is also available Thursday and Friday morning. The registration desk on Thursday and Friday is located in the entrance hall of the ZESS building.

All Summer School participants are by default also registered for the LDAC Workshop. Access is included, with the aim of giving access to more advanced research results as part of the summer school learning experience. On Thursday, there is an afternoon event that allows a full mix between summer school participants, poster session, and industry sponsors and participants.

ARTICLE PRESENTATIONS

All paper presentations are organized in three sessions, organized per topic.

1. Thursday morning (10h30-12h30): CONSTRUCTION
2. Friday morning (10h30-12h30): ONTOLOGIES
3. Friday afternoon (14h-15h): SEMANTICS

All presenters are requested to prepare for a 15 minute presentation plus 5 minutes of questions. Presentations must be handed in beforehand, at the very latest 15min before the start of the session. Preferably send in your Powerpoint presentation by Monday 10 June to ldac2024@linkedbuildingdata.net.

Please also contact the moderator of your session during the event and before your presentation to obtain the last instructions for your presentation.

A jury will take part in all sessions and evaluate presentations and papers for the best paper award.

Due to the technical setup, it is not possible to connect a personal laptop. It will also not be possible to use the presenter view feature of PowerPoint.

Your presentation will be recorded, if your permission is given. Therefore, upon registration, you will be asked to fill in a form that allows us to publish your presentation and/or the recording in the [LDAC website](#).



POSTER PRESENTATIONS

Posters will be presented in an exhibition area where participants can move between posters, encouraging discussions with other participants and experts in the field. This will take place at the same time and location as the industry track marketplace, and everyone is allowed and encouraged to move freely.

Please follow these guidelines:

- Posters presenters are requested to create their own poster in A0 format, and bring them printed.
- Tape and poster boards are available on-site and do not need to be brought by the presenters.
- Posters can be prepared in a custom template; no LDAC template is made available.

INDUSTRY MARKETPLACE

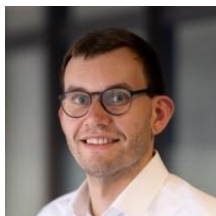
The industry marketplace takes place together with the poster track. Industry participants are invited to set up their material for the industry track on Wednesday (June 12) between 3:30 and 5 pm or on Thursday morning between 8:30 and 9 am.

All industry track presenters are requested to make contact with the organisers to make sure that their setup can be achieved. This happens through ldac2024@rub.de.

SUMMER SCHOOL HACKATHON PRESENTATIONS

On Thursday afternoon, all hackathon groups present their results in plenary. Each group prepares a slide deck and brings their presentation on a USB stick in advance of the session. Due to the technical setup at the venue, it is not possible to connect a personal laptop (!). Prepare your presentation accordingly.

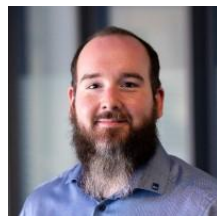
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