

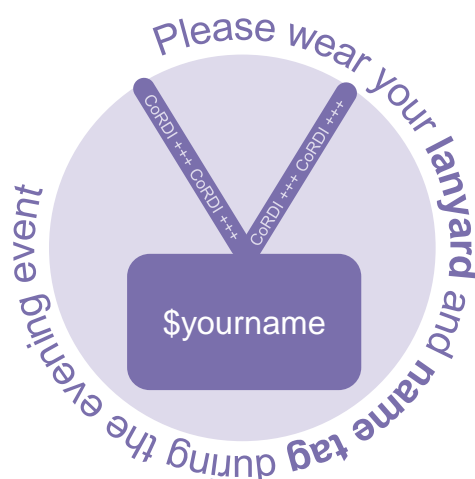
# BE OUR GUEST

## The CoRDI 2025 Evening Programme

27.08.2025



2nd Conference on  
Research Data Infrastructure  
(CoRDI 2025)



# Evening Event Location

## Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University



Mario Moser, CC BY 4.0

The WZL enhances the innovative strength and competitiveness of the industry with trend-setting basic research, applied research, associated consulting and implementation of projects in the domain of production technology. In five research fields practical solutions for rationalizing production are developed with industrial partners from a broad range of branches.

# Evening Event Location

## Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University



© WZL / Steinhard



© WZL / Johann



© WZL / Steinhard



© WZL / Steinhard

# How to reach the evening event location?

© OpenStreetMap contributors  
<https://www.openstreetmap.org/#map=18/50.782921/6.047378>



## By CoRDI bus shuttle

- Bus stop in front of the C.A.R.L.
- 17:40 – 18:35 from C.A.R.L. to Campus Melaten

The easiest and most comfortable way!

## By public buses

“Westbahn- hof (H2)”	↔	“Campus Melaten / Physikzentrum”
	<div>3A73</div>	
“Westbahn- hof (H4)”	↔	“Wilfried- König-Straße”
	<div>141</div>	

# How to reach the evening event location?

© OpenStreetMap contributors  
<https://www.openstreetmap.org/#map=18/50.782921/6.047378>



## By foot

- Approx. 2.5 km / 30 minutes
- Address: Steinbachstraße 21d, 52074 Aachen

## By (self-organised) taxi

- Address: Steinbachstraße 21d, 52074 Aachen
- Area: Campus Melaten
- Cost: more than 11,00 €

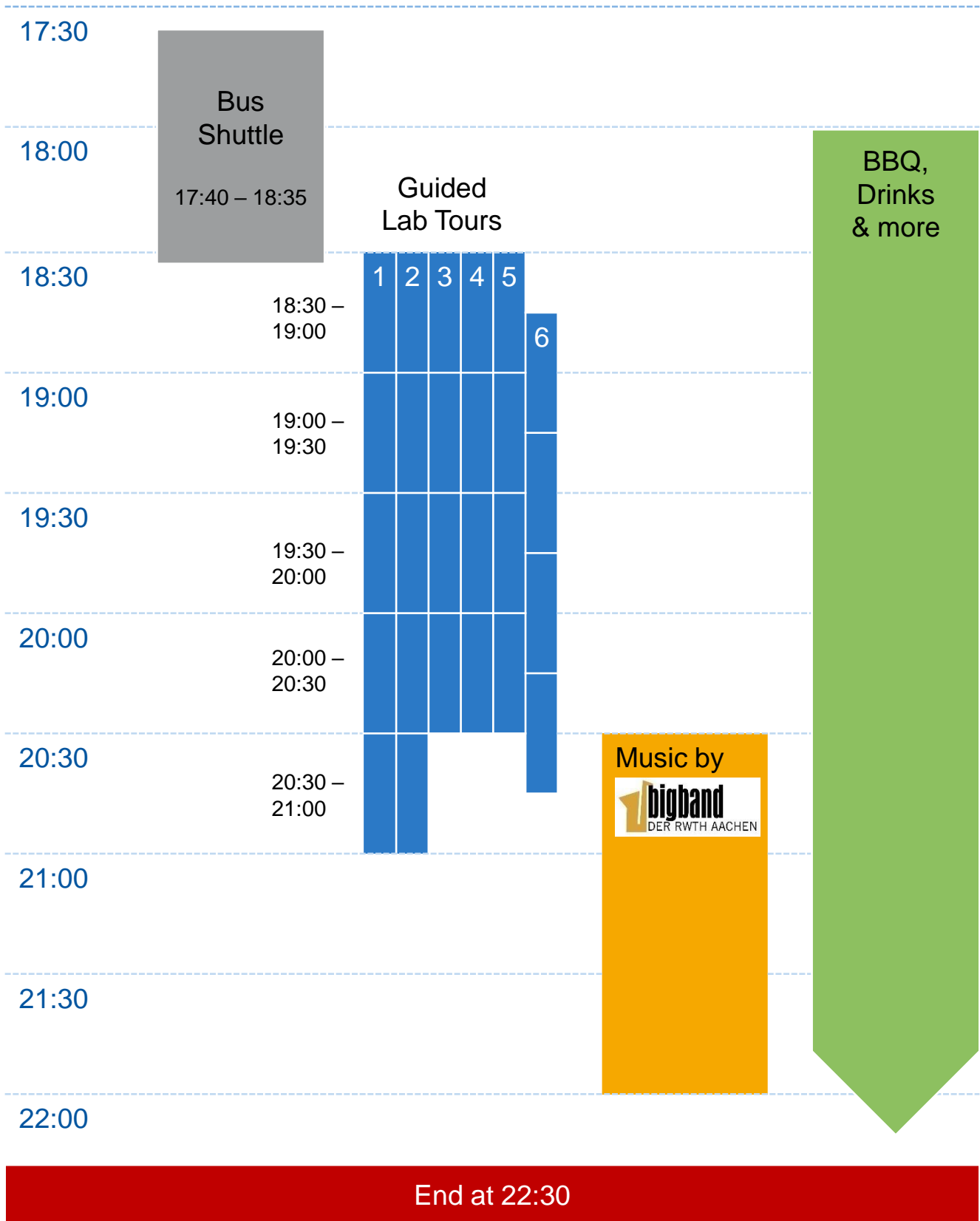
Jointly organized by



with support of



# The Evening Programme



# Guided Lab Tours

Various tours, providing insights into current engineering sciences research

## Organisational aspects

- Different themed guided Lab Tours are offered.
- Each themed tour occurs repeatedly on different timeslots.
- Each tour slot takes ~30 minutes
- Each tours slot is **limited to 20 people**
- Please mind the **different starting points** of the tours, which are indicated on the Floor Plan (Page 12)
- Tours starts at **18:30, 19:00, 19:30, 20:00**



## Book Your Lab Tour at the Registration Desk



- Pick those you are most interested in
- Starting from **Wednesday** during the conference at the **Registration Desk in C.A.R.L.**
- **Wednesday evening** at the evening event at the **info point in the Machine Laboratory**
- First come, first serve!

# Guided Lab Tours

## Laboratory for Machine Tools and Production Engineering (WZL)



### WZL | IQS – Intelligence in Quality Sensing

#### Tour 1: The new Workforce: ROBOTS! They move on their own and think for themselves!

- In our first tour, various robots in motion demonstrate novel applications of digital twins, pathfinding algorithms and high-end edge computing.

Tour  
1



#### Tour 2: DATA IN MOTION! Generation, processing, Synthesis, Reuse in AI

- From a giant dual-source CT scanner over machine vision analytics to a sensor interfacing language for FAIR sensor services in manufacturing, this tour encompasses various stages of the data life cycle.

Tour  
2



### WZL | WM – Chair of Machine Tools

#### Tour 3: Automation Technology of the Future – Guided Tour of the Smart Automation Lab

- The tour provides insight into current research work and industrial projects on automation, digitization, and artificial intelligence in production technology. Test benches for edge computing, AI-supported data analysis, and synthetic data generation for flexible manufacturing systems will be on display. The focus is on practical demonstrations of modern technologies for networked and intelligent production.

Tour  
3



**Attention**  
Video  
recording  
on this tour

# Guided Lab Tours

## Manufacturing Technology Institute



### Tour 4: Purpose Driven Research

- The flying fuel cell: Forming bipolar half plates for hydrogen-powered PEM fuel cells in aviation
- The digital coil: Material data-based process control for fine cutting
- Soft sensing broaching: Process monitoring for broaching safety-critical profile grooves in turbine discs

Tour  
4



## Fraunhofer Institute for Production Technology



**Fraunhofer**  
IPT

### Tour 5 & 6: Next Generation Production

- Our vision of “Next Generation Production” consists of resilient, sustainable and digitalized production that secures prosperity in society while protecting our planet's valuable resources. Demonstrators for aviation, 5G and special machine construction will be shown.

Tour  
5



Tour  
6



Jointly organized by



with support of



# Activities around the evening event

Meet your colleagues at various activity stations across the whole Machine Labatory.

## Test your knowledge

Join our small CoRDI quiz and – with a bit of luck – win one of the prizes



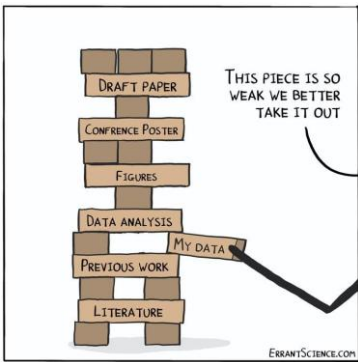
<https://formtool.ima.rwth-aachen.de/form/cordi-quiz>

## Kick your data to production

Score as many goals as possible by shooting the ball through the two holes in the goal wall – one at the top, one at the bottom!

## Photo documentation

Step in front of the camera! Stand in front of the backdrop – make sure everyone is in the frame!



ErrantScience.com / www.instagram.com/p/C\_VNP6t9W-/

## Data Jenga – Tower of data

Data is your solid foundation where you can build on. But be careful

## Dribble your data as a team

Score goals by shooting the ball into your opponent’s goal – the team with the most goals wins!

# Activities around the evening event

Meet your colleagues at various activity stations across the whole Machine Labatory.







Play our CoRDI-shaped **Human Bingo** field:  
Find someone ...



# Floor Plan



## Legend

-  Info Point
-  Toilets
-  Wardrobe (unguarded)
-  Tour Starting Points
-  BBQ & Drinks
-  Music & other activities

# Wifi @ WZL

**There are two possible options to connect to the internet via WiFi**

## **You have eduroam? We too!**

- Connect to the WiFi “eduroam”
- Your home institution’s credentials should be recognised automatically

## **You don’t have eduroam? No need to worry!**

**Connect as guest via the credentials, link, or QR code below.**

### **Via credentials**

- Network: RWTH-guests
- Login: **cordi25**
- Password: **rycisuze**

### **Via QR code**



<https://access.wlan.rwthachen.de/guest.php?login=cordi25&password=rycisuze>

# Safe way home!

*Depending on your hotel destination, please organise your way back yourself*



Bus stops close by (rf. map on page 4):

- Campus Melaten / Physikzentrum
- Wilfried-König-Straße

Online timetables via **movA**:

- Website: <https://mova.aseag.de/>
- App (~130MB!):



## TAXI

Alfa Taxi: +40 (0)241 22222  
Öcher Wagen: +49 (0)241 91993399  
TAAV: +49 (0)241 66666

# Safe way home!

## Exemplarily bus connections

(please check online for your individual destination)

“Campus Melaten / Physikzentrum (H1)”

→

“Aachen Bushof”

12

“Buschmühle Friedhof”: 19:15

22

“Stolberg Mühlener Bahnhof”: 19:45

33

“Fuchserde”:  
19:45, 20:42, 21:12, 21:42, 22:12, 22:42, 23:27

23

“Hüls Schulzentrum” 20:38, 21:39, 22:39, 23:39

“Wilfried-König- Straße”

→

“Aachen Bushof”

1

“Schevenhütte Helenasruh”: 19:29, 20:09

“Campus Melaten / Physikzentrum (H1)”

→

“Aachen Hauptbahnhof”

3B

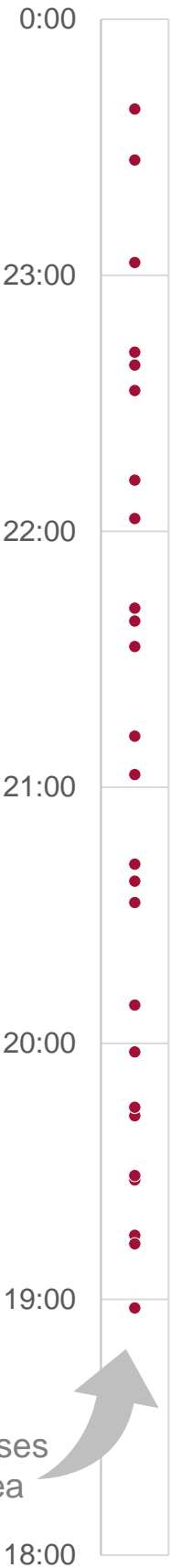
“Ponttor/Hbf/Schanz/Uniklinik”:  
18:58, 19:13, 19:28, 19:43, 19:58,  
20:33, 21:03, 21:33, 22:03, 22:33, 23:03

The ASEAG website / movA app might suggest you additional connections.

Please mind that these may include **bus stops close-by within walking distance** or  **bus changes** in-between.

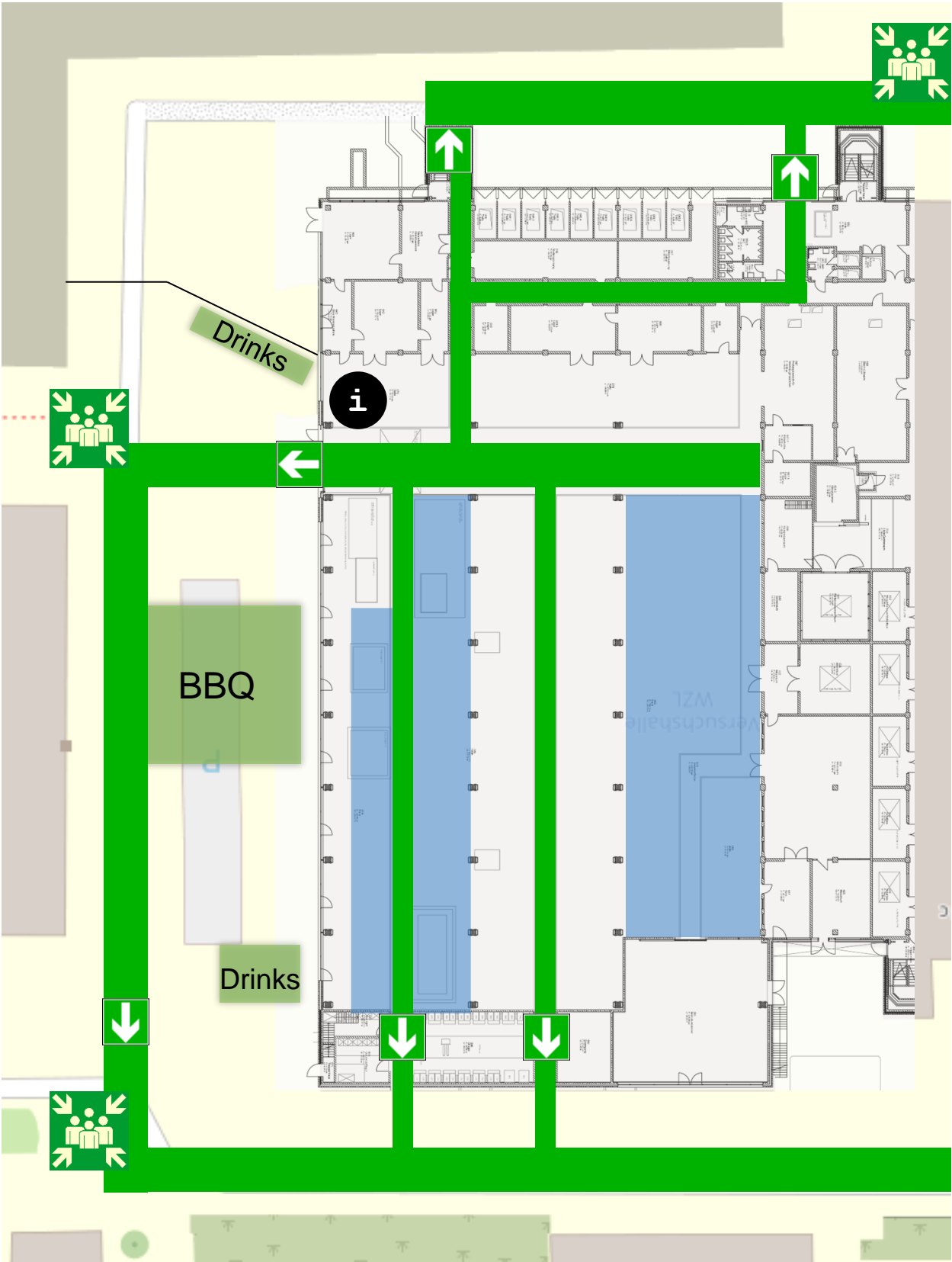
All connections above connections are direct connections to the respective destinations.

Visual distribution of the times busses start from the Campus Melaten area



# In case of emergency

Stay calm! Follow the evacuation routes to the designated meeting points



# In case of emergency

## Emergency? We are here for you!

- Designated first responders are present to help you out, both in medical and dangerous situations
- In case of an evacuation, please adhere to the directions given by the CoRDI staff

## You want to help make the event safer?

### Here is what you can do:

- Keep calm! Always be attentive and observe your surroundings
- Watch out for symptoms such as heat exhaustion, heat stroke and sunstroke! At the first symptoms, inform a staff member, move the person into the shade, give fluids, initiate circulation-stabilising measures in the event of dizziness.
- In the event of accidents involving personal injury, the outbreak of a fire and damage to material/property, please inform the event staff without delay!

## Important telephone numbers:

- Rescue service: 112
- Police: 110
- Hochschulwache: +49 241 80-94250

# See you tomorrow at C.A.R.L.

Programme proceeds with  
a keynote at 9:00 am tomorrow



2nd Conference on  
Research Data Infrastructure  
(CoRDI 2025)