

PROGRAMME AND REGISTRATION



School “Devices for Thermal Energy Harvesting”, Dresden, Germany, 14-16 October 2024

HEAT4ENERGY Project Meeting, Dresden, Germany, 17-18 October 2024



School “Devices for Thermal Energy Harvesting”, Dresden, Germany (3 days)



Hosted by

Sebastian Fähler (HZDR) and Anja Waske (BAM)

Date: 14 - 16 October 2024

Live event, online participation is not possible

Venues: IFW Dresden and HZDR

Max. 50 participants: Priority is given to members of Heat4Energy and students. Other participants can attend on ‘first come, first serve’.

Registration deadline: 15.7.2024

No participation fee, coffee and lunch included

Hotel and travel: Must be booked and paid by participants.

Recommended hotel: Pullmann Dresden Newa



School, Monday, 14.10.2024

Venue: IFW, Room D2E.27



12:30 Buffet

13:45 Welcome and introduction to Heat4Energy (Ekkes Brück)

14:15 Warm-up and meet each other (Karin van der Graaf / Anja Waske)

15:15 Coffee break

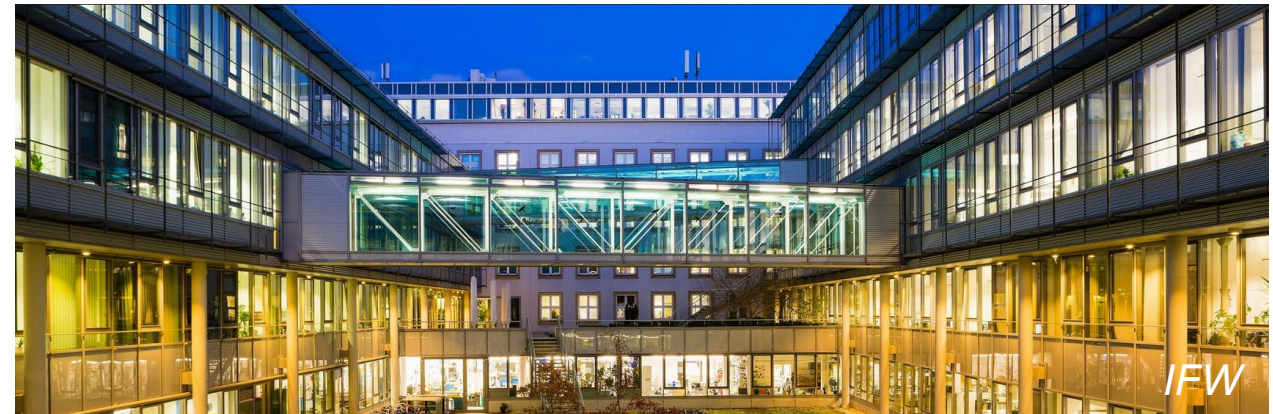
15:45 Fundamentals of energy harvesting (Anja Waske)

16:45 Short break

17:00 Magnetism in a nutshell (Jürgen Fassbender)

18:00 End

19:00 Joint dinner downtown Dresden



School, Tuesday, 15.10.2024

Venue: HZDR, Building 114 Room 202

08:15 Bus transfer from hotel Pullmann to HZDR

09:00 Thermodynamic fundamentals of ferroic energy harvesting
(Sebastian Fähler)

10:00 Coffee break

10:30 Thermoelastic energy harvesting (Bruno Neumann)

11:30 Lab tour: Ion Beam Center and FWI (various)

12:30 Lunch

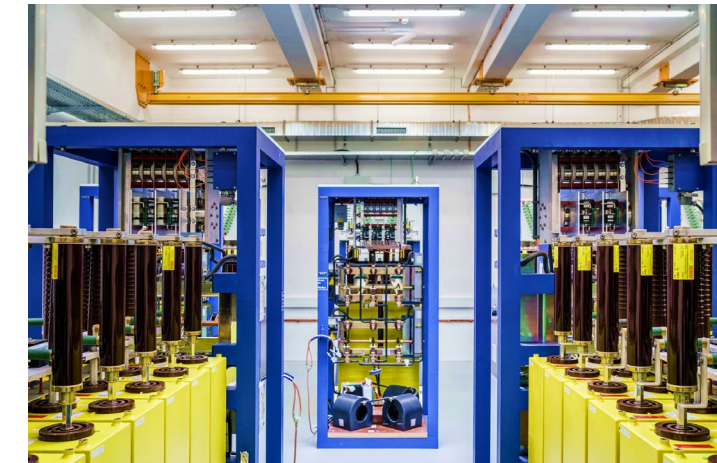
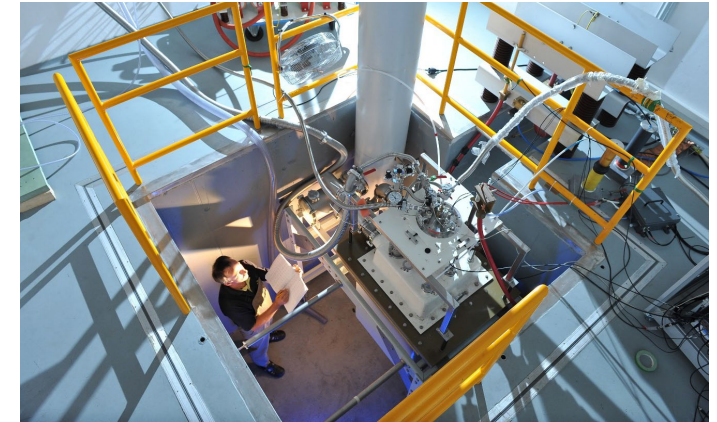
13:30 Magnetocaloric refrigeration: From room temperature to liquefaction
of hydrogen (Tino Gottschall)

14:30 Lab tour: High magnetic field lab (Tino Gottschall and colleagues)

16:00 Coffee break

16:30 Thermomagnetic motors (Boweï Huang)

17:30 Bus transfer from HZDR to hotel
(individual dinner)



Pictures:

Dresden High Magnetic Field Laboratory

- *Pulsed magnetic fields up to 100 Tesla*
- *World's largest capacitor bank storing up to 50 MJ*



School, Wednesday, 16.10.2024

Venue: IFW, Room D2E.27

9:00 Thermomagnetic Generators (Andrej Kitanovski)	14:30 Lab tour TU Dresden: Fluidynamics (Kerstin Eckert)
10:00 Coffee break	
10:30 Thermoelectric energy harvesting: Physics, materials & devices (Heiko Reith)	15:30 Coffee break
11:30 Lab tour Leibniz IFW Dresden: (various)	16:00 A selection guide to thermomagnetic materials (Sebastian Fähler)
12:30 Lunch	17:00 End
13:30 Thermomagnetic microsystems (Manfred Kohl)	(Individual Dinners)



Registration form 1

School “Devices for thermal Energy Harvesting”, Dresden, 14-16 Oct 2024



Please send to: Anja Waske, anja.waske@bam.de, Bundesanstalt für Materialforschung und –prüfung (BAM), Unter den Eichen 87, 12205 Berlin, Germany

Registration deadline: 15.7.2024

First Name:

Family Name:.....

Position: BSc/MSc/PhD student, Postdoc,
Staff, EAB member, Other:

Email:.....

Phone number:

Institution:

Address:

City: :.....

Country:

I will participate in:

14.10.2024 Lunch Dinner

15.10.2024 Lunch

16.10.2024 Lunch

Special wishes for meals:

I am member of Heat4Energy:

**Participation of this School is limited to 50 persons.
Priority is given to students and members of Heat4Energy,
other participants can attend on ‘first come, first serve’.
They will be informed beginning of July if their
participation is possible.**

By submitting your registration, you automatically agree that we keep your personal data for the organisation of this school. We will keep your details for 3 months after the event and then destroy them unless you wish to be kept informed. In the case of the latter, you will have the opportunity to tick the box below:

I would like to be kept informed about the project and its activities / events and I hereby give my consent for my personal data to be stored in the list of stakeholders.

HEAT4ENERGY Project Meeting

Dresden, Germany (2 days)



Hosted by

Sebastian Fähler (HZDR) and Anja Waske (BAM)

Date: 17 - 18 October 2024

Live event, online participation is also possible

Venues: IFW Dresden and HZDR

Only open to HEAT4ENERGY participants

Registration deadline: 15.7.2024

No participation fee, coffee and lunch included

Hotel and travel: Must be booked and paid by participants.

Recommended hotel: Pullmann Dresden Newa



Project meeting, Thursday, 17.10.2024



Venue: HZDR, Building 114 Room 202, participation of all DCs and PIs expected

08:15 Bus transfer from hotel to HZDR

Workplan and Reports (15 min talk + 5 discussion)

09:00 DC1

09:20 DC2

09:40 DC3

10:00 DC4

10:20 Coffee break

10:40 DC5

11:00 DC6

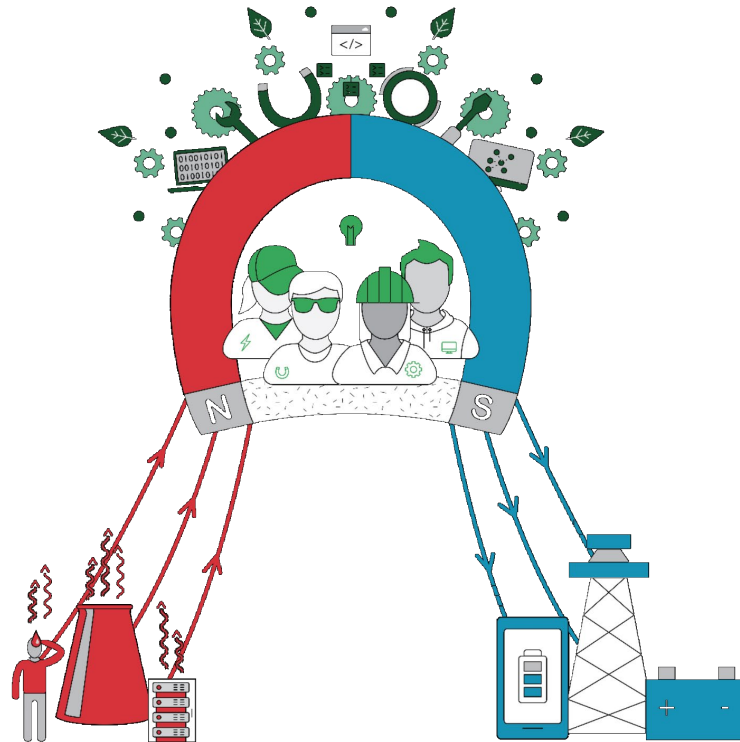
11:20 DC7

11:40 DC8

12:00 DC9

12:20 DC10

12:45 Lunch



13:45 Where do you see thermomagnetic

harvesting in 1, 4 and 10 years?

Discussions in small WP groups

14:45 WP leaders present result of discussions

15:15 Coffee break

15:45 Magnoric (Sergiu Lionte)

16:15 Memetis (Benjamin Pflieger)

16:45 Short break

17:15 Magneto (Xinmin You)

17:45 Bus transfer from HZDR to hotel

19:15 Joint Dinner Dresden

Project meeting, Friday, 18.10.2024



Venue: IFW, participation of all DCs and PIs expected

Room D1E.27

09:00 Technology transfer and intellectual property

(Dorit Teichmann)

10:30 Coffee break

11:00 FAIR open data (in an EU project) (Maik Fiedler)

Board members only, room D2E.31, hybrid

09:00 Meeting of supervisory board

10:30 Coffee break

11:00 Meeting of external advisory board

All in room D1E.21

12:30 Data management in Heat4Energy (Ekkes Brück)

12:45 Electronic Labbooks (Øyvind Rørbakken)

13:00 Lunch

14:00 Departure

Registration form 2

HEAT4ENERGY Project Meeting, Dresden, 17 - 18 October 2024



Please send to: Anja Waske, anja.waske@bam.de, Bundesanstalt für Materialforschung und –prüfung (BAM), Unter den Eichen 87, 12205 Berlin, Germany

Registration deadline: 15.7.2024

First Name:

Family Name:.....

Position: DC / Partner / EAB member

Email:.....

Phone number:

Institution:

Address:

City: :.....

Country:

I will participate in:

17.10.2024 Lunch Dinner

18.10.2024 Lunch

Special wishes for meals:

I am aware this meeting is only open to Heat4Energy members and I am a Heat4Energy member:

I will attend online:

Venues

The school will be on two different venues in Dresden

Monday, Wednesday, Friday: IFW Dresden, Helmholtzstraße 20, 01069 Dresden, Germany, Room D2E.27

Public transport from hotel (tram 8) or 30 min of walking

Tuesday, Thursday: Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Bautzner Landstraße 400, 01328 Dresden, Germany, Building 114, Room 202, There will be a bus transfer between hotel Pullman and HZDR

Recommended Hotel (please book yourself):

Pullmann Dresden Newa,

12% discount when using this link:

<https://l.ead.me/bf78v8>

Alternative: IBIS Dresden (close by)

https://hrewards.com/de/intercityhotel-dresden?wt_mc=seo_listing.ich.yext.dresden.hotel_link.text_cta



Traveling to Dresden

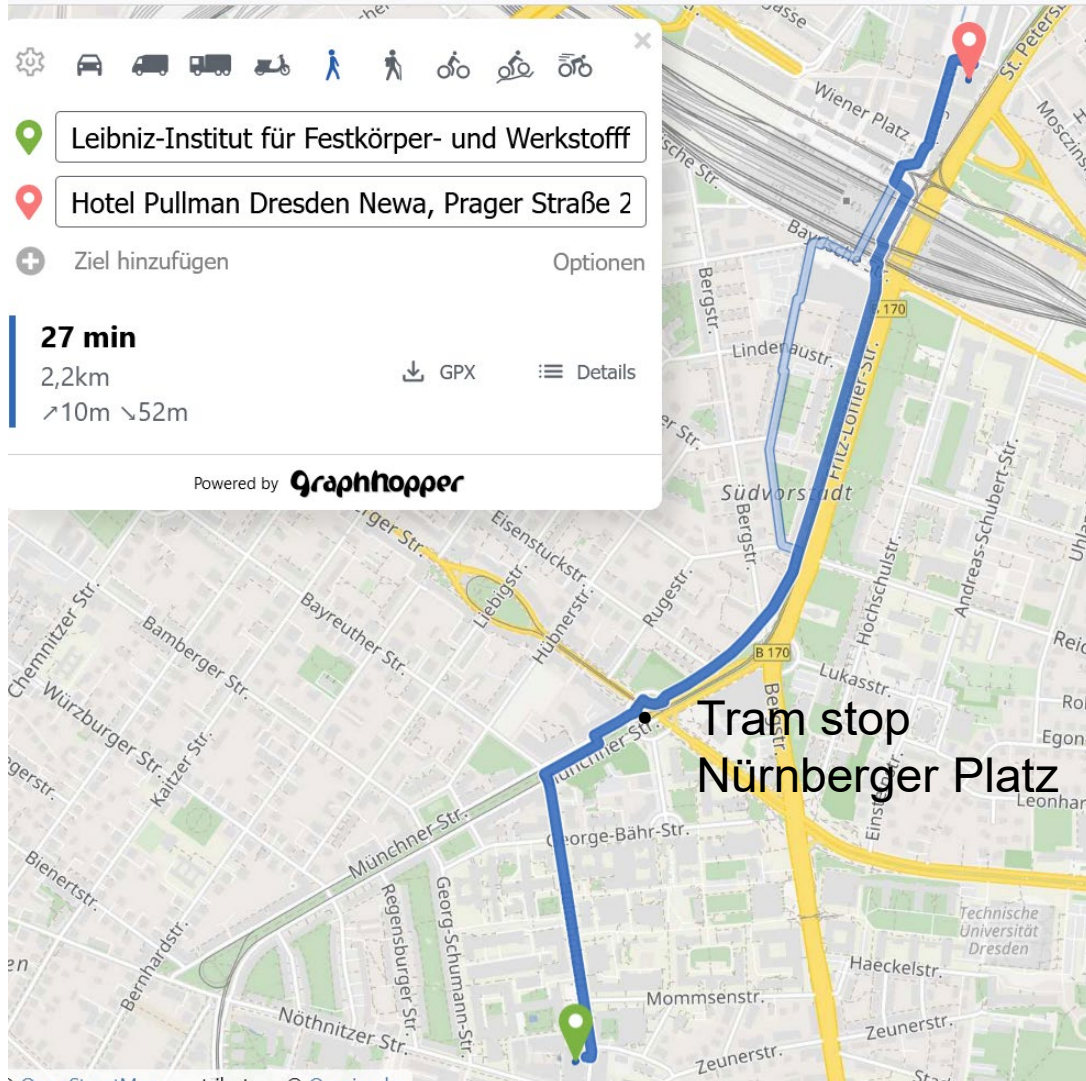


By train: In addition to common trains, there are night trains to Netherlands (<https://www.europeansleeper.eu/>) and Switzerland (<https://www.nightjet.com>). Hotel Pullmann is in 5 min walking distance to main station.

By plane: In addition to airport Dresden you may consider airport Leipzig, Berlin or Prague, which are reachable within about 2 h by train. Between Dresden airport and hotel Pullmann at the main station, there is a direct public transport (S2)

Traveling between IFW and Hotel

Venue: IFW Dresden, Helmholtzstraße 20, 01069 Dresden, Germany



- Walking distance is about 30 minutes
- For public transport take tram 3 or 8 from Hauptbahnhof (Nord) to Nürnberger Platz (each 10 min for a 5 min ride) and walk another 10 minutes
- For other public transport use <https://www.dvb.de/en-GB/>

Traveling between HZDR and Hotel

Venue: Helmholtz-Zentrum Dresden-Rossendorf, Bautzner Landstraße 400, 01328 Dresden



There is a shuttle bus between hotel Pullmann and HZDR

Traveling with public transport:

- For public transport use <https://www.dvb.de/en-GB/> with destination “Forschungszentrum Rossendorf” e. g. from Main Station take bus 261 (direction Sebnitz), about 40 minutes, one bus each hour
- For taxi call +49 351 211 211, about 45 Euro and 35 min from hotel to conference venue