

# Workshop on Tolerant Energy-and Opto-Electronic Materials for Space and Earth

Wednesay 8.10.2025

Thursday, 9.10.2025

Friday 10.10.2025

Location	Campus Golm, House 28, 0.108	Room	Campus Neues Palais House 9, Room 1.14	Campus Neues Palais House 9, Room 1.14														
Time																		
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17:45																		
Program	19:30 @ Greek Tavern, Tou Bakali self-paid		19:30 Biergarten Bürgerbahnhof self-paid															
Topics	<table border="1"> <tr> <td>Radiation &amp; Detectors</td> <td></td> </tr> <tr> <td>Solar Cells</td> <td></td> </tr> </table>		Radiation & Detectors		Solar Cells		<table border="1"> <tr> <td>Tolerant Materials</td> <td></td> </tr> <tr> <td>Space</td> <td></td> </tr> </table>		Tolerant Materials		Space		<table border="1"> <tr> <td>Space/PV</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>		Space/PV			
Radiation & Detectors																		
Solar Cells																		
Tolerant Materials																		
Space																		
Space/PV																		

F. Lang

F. Lang

A. Castro-Mendez

B. A. Seid, F. A. Adeleye

P. Forozì

S. Sarisözen

J. Thiesbrummel

T. Vanichangkul,

S. Özen, G. He

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14:00	
14:25	
14:50	Registration
15:15	Coffee & Welcome
15:40	<b>Felix Lang</b> Welcome & overview of ROSI Freigeist Group
16:05	<b>Narges Yaghoobi Nia</b> PVSpace
16:30	<b>Ahmad Krimani</b> Rochester Institute of Science
16:55	
17:20	
17:45	Lab and campus tour at Golm

9:00	<b>David Cahen</b> Weizmann Institute of Science
9:25	
9:45	<b>Christian Wolff</b> EPFL
9:50	
10:15	Coffee break
10:40	<b>Renjun Guo</b> KIT
11:05	<b>Stepan Demchyshyn</b> HZB
11:30	<b>Ian Sellers</b> University of Buffalo
11:55	<b>Martin Kaltenbrunner</b> Johannes Kepler University Linz
12:20	Lunch
13:35	<b>Erkan Aydin</b> LMU
14:00	<b>Robert L. Z. Hoye</b> University of Oxford
14:25	<b>Claudiu Mortan</b> Universität Stuttgart
14:50	<b>Francesca Brunetti</b> University of Rome Tor Vergata
15:15	Coffee break
15:40	
16:05	Pitch Talks + Drinks
16:30	
16:55	
17:20	Poster + Drinks
17:45	

9:00	<b>Silvia Colella</b> CNR Nanotec
9:25	
9:45	<b>Andrea Ciavatti</b> University of Bologna
9:50	<b>Paul Sellin</b> University of Surrey
10:15	Coffee break
10:40	<b>Bruno Ehrler</b> AMOLF
11:05	<b>Ange Chambissie</b> CNRS
11:30	<b>Francisco Fabregat-Santiago</b> Universitat Jaume
11:55	<b>Kai Brinkmann</b> University Wuppertal
12:20	Lunch
13:35	<b>Stefan Linke</b> TU Berlin
14:00	<b>Francesca De Rossi</b> University of Rome Tor Vergata
14:25	<b>Bibhudutta Rout</b> University of North Texas
14:50	Coffee break
15:15	<b>Andrea Denker</b> Helmholtz Zentrum Berlin
15:40	<b>Heiner Neitzert</b> University of Salerno
16:05	
16:30	Round table discussion
16:55	
17:20	
17:45	Closing remarks

# Invited Speaker Programme

Ahmad Krimani	Rochester Institute of Science	Exposing radiation intolerance of halide perovskites under electrons
Andrea Ciavatti	University of Bologna	Enhancing Temperature and Humidity Tolerance in 2D Perovskite Radiation Detectors
Andrea Denker	Helmholtz Zentrum Berlin	Irr-Radiation Possibilities at HZB
Bibhudutta Rout	University of North Texas	Rutherford Backscattering Spectrometry: A Multimodal Ion Beam Analysis Technique to Study the Elemental Diffusion and Radiation Tolerance of Perovskite Solar Cells
Bruno Ehrler	EMOLF	Ultralow-energy Computation with Perovskites
Christian Wolff	EPFL	Perovskite/perovskite/silicon triple junction solar cells with improved carrier and light management
Claudiu Mortan	Universität Stuttgart	From Ground Testing to Orbit: Preparing Perovskite Solar Cells for Space Deployment
David Cahen	Weizmann Inst. Science	Why are Pb-Halide Perovskites so Resilient?
Erkan Aydin	Ludwigs Maximilan University München	TBD
Felix Lang	ROSI Group	Tolerant Materials for Energy, Space , Earth and Medicine
Francesca Brunetti	University of Rome Tor Vergata	TBD
Ange Chambissie	CNRS	What happens when you shine light (or X-rays) on small bandgap gold-based perovskites?
Heiner Neitzert	University of Salerno	Sensitivity of SiC diodes and photodiodes to high energy ion irradiation
Ian Sellers	University of Buffalo	Metal Halide Perovskites for Next Generation Space Power Applications
Kai Brinkmann	University of Wuppertal	Keep it in and keep it out - internal ALD barriers to stabilize perovskite solar cells
Martin Kaltenbrunner	JOHANNES KEPLER University Linz	TBD
Narges Yaghoobi Nia	PVSpace	TBD
Paul Sellin	University of Surrey	Optimising charge transport and device stability in single crystal perovskite radiation detectors
Francisco Fabregat-Santiago	Universitat Jaume	TBD
Robert L. Z. Hoye	Oxford University	Defect tolerance in semiconductors for energy and healthcare applications
Silvia Colella	CNR Nanotec	TBD
Stefan Linke	TU Berlin	The need for ISRU-based solar energy in space exploratio
Stepan Demchyshyn	Helmholtz Zentrum Berlin	Resilient Perovskite Solar Cells for Airborne and Space Applications
Susana Ramos	University of Seville	TBD
Renjun Guo	Karlsruhe Institute of Technology	TBD

# Evening Programme:

## Day 1: 08.10.2025 @ 19:30 Uhr: Greek Tavern (self paid)

Adress: Griechische Taverne Tou Bakali  
Dortustraße 5, 14467 Potsdam  
in Potsdam City Center (Bus from Workshop Cite)

## Day 2: 09.10.2025 @ 19:30 Uhr Biergarten Bürgerbahnhof (self paid)

Park Sanssouci Station,  
Walking Distance from Workshop site

## Travel Information – Workshop at the University of Potsdam

**Workshop Location:** University of Potsdam:

Day 1: Campus Golm

Day 2 & 3: Campus Neues Palais

- Both are around 15 minutes apart, connected by bus and regional trains, see detailed location further below.

## General Travelling:

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### Arrival to Potsdam

#### Option 1: Train from **Berlin Brandenburg Airport (BER)** to Potsdam Hbf

- Take **Regional Train RB22** from **BER Terminal 1–2** to **Potsdam Hauptbahnhof**
- **Duration:** approx. 45 minutes
- Trains run every 30–60 minutes

#### Option 2: Train from Berlin Central Station

- RB23 or RE8 → **Berlin Hbf** → change to RE1 → **Potsdam Hbf**
- Good alternative in case of delays or specific arrival times

## Train Ticket:

- **Price:** ~€4.40 (Berlin ABC zone, one-way)
  - Valid for 120 minutes for all trains, trams, and buses within the ABC zone
  - **Where to buy:**
    - Ticket machines at BER Airport (before train platforms)
    - DB Navigator App or BVG App (recommended for English interface)
- 



## Hotel Recommendation: Mercure Hotel Potsdam City

- **Address:** Lange Brücke, 14467 Potsdam (very central, next to Potsdam Hbf)
  - **Distance to University:**
    - ~15 min by bus to Campus Neues Palais
    - ~10 min by train/bus to Golm
  - **Standard Room Price:** approx. €100–130 per night (incl. breakfast)
  - **Website:** [Mercure Potsdam](#)
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## From Potsdam Hbf to University of Potsdam

### For Campus Am Neuen Palais:

- Take **Bus 605 or X5** towards “Golm” – stop at “Neues Palais”
- Alternatively: Train RB1/RB21/RB20 → **Potsdam Park Sanssouci**, then 10 min walk

### For Campus Golm:

- From **Potsdam Hbf** take:
    - Regional train RB20 or RB21 to **Golm Station** (about 10 min)
    - Or Bus 605/X5 (30–35 min)
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## Ticket & Transport Summary

Route	Transport	Approx. Price
BER → Potsdam Hbf	RB22 (ABC zone)	€4.40 (single trip)
Potsdam Hbf → University	Bus/train	Included in ABC ticket
Potsdam local transport	Trams, buses	ABC day pass: ~€10.00
Ticket machines	At BER Airport (red DB machines)	Debit/Credit card accepted

*You can also purchase day tickets for easier mobility during the stay.*

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## **Free Time – Things to See in Potsdam**

### **Sanssouci Palace & Park**

- Beautiful 18th-century park and palace, former summer home of Frederick the Great
- 15 min from hotel/university, walking distance from Park Sanssouci station

### **Babelsberg Park & Film Studio**

- UNESCO-listed park and historic film studio area

### **Historic City Center**

- Dutch Quarter, Old Market Square, Museum Barberini, Nikolaikirche – 5–10 min walk from hotel
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# Campus II - Golm



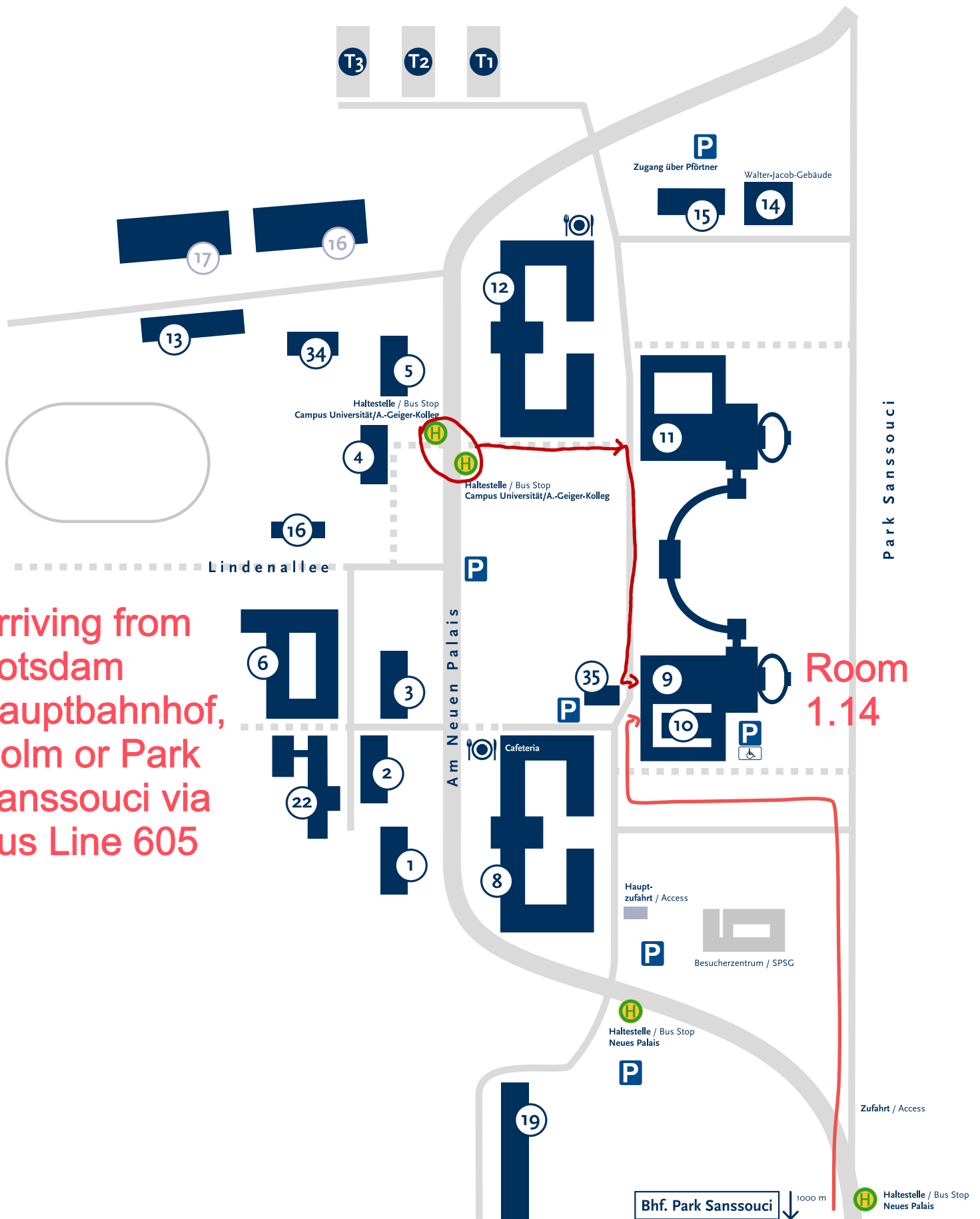
RB 22 from BER Airport to Golm

To Golm from Potsdam Hauptbahnh of via Train RB 21, 22, or 23

Alternatively via Bus 605 Or 695

Room 0.108

# Campus I - Am Neuen Palais



Arriving from  
Potsdam  
Hauptbahnhof,  
Golm or Park  
Sanssouci via  
Bus Line 605

Room  
1.14

7 minute Walk from Park Sanssouci Station  
Line: RB1, RB20, 21,22,23