

3rd International Conference on Innovation in Renewable Energy and Power



13–15 March 2025

Berlin, Germany



www.icirep.org



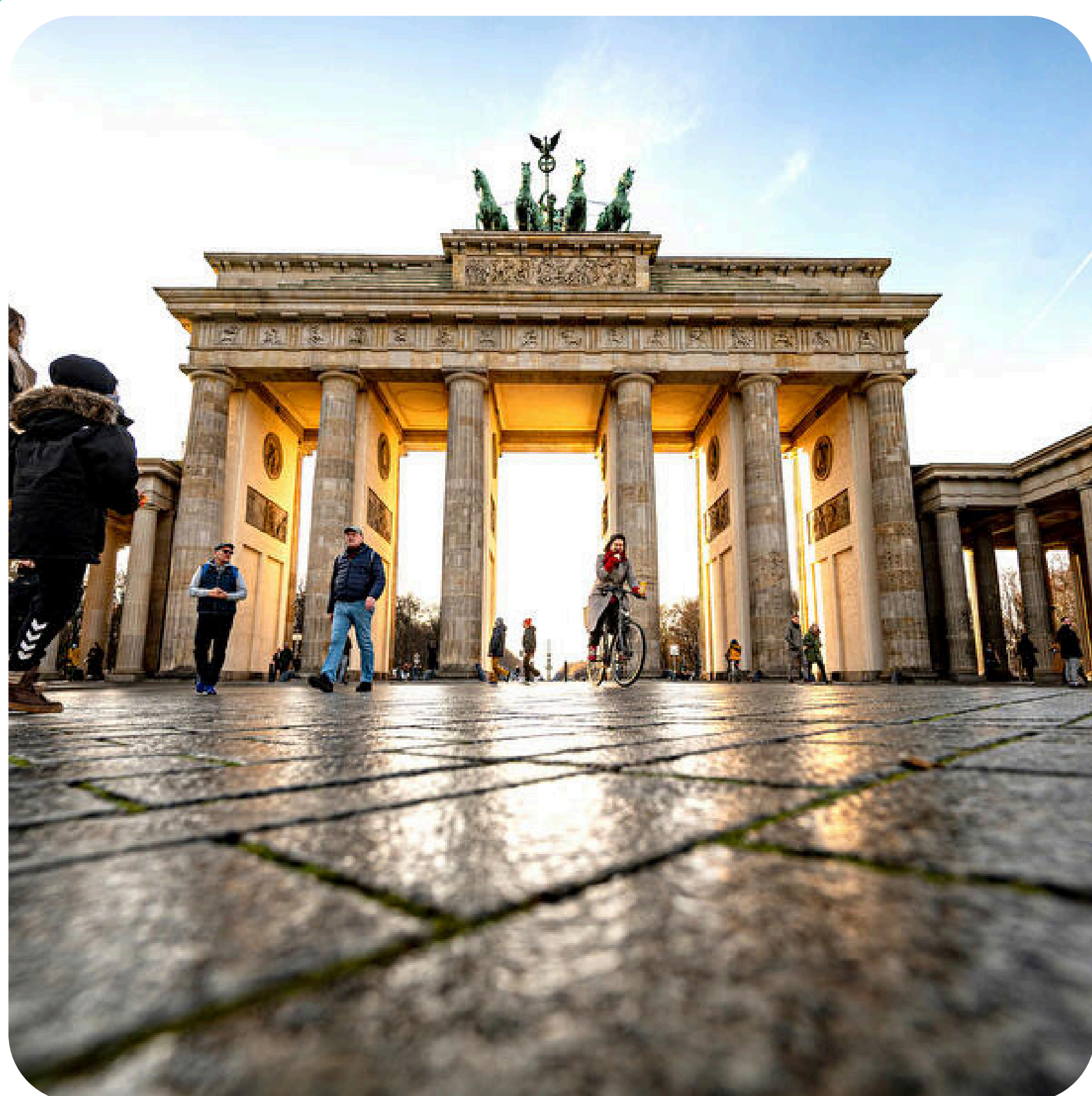
info@icirep.org

Conference Abstract Book

The abstracts of the presentations can be found in the online conference Abstract Book.

All abstracts will be available in the conference proceedings starting from the inaugural day of the Conference. Visit the following link to access the abstracts or Scan the QR code

<https://www.steconf.org/proceeding/3rd-international-conference-on-innovation-in-renewable-energy-and-power>



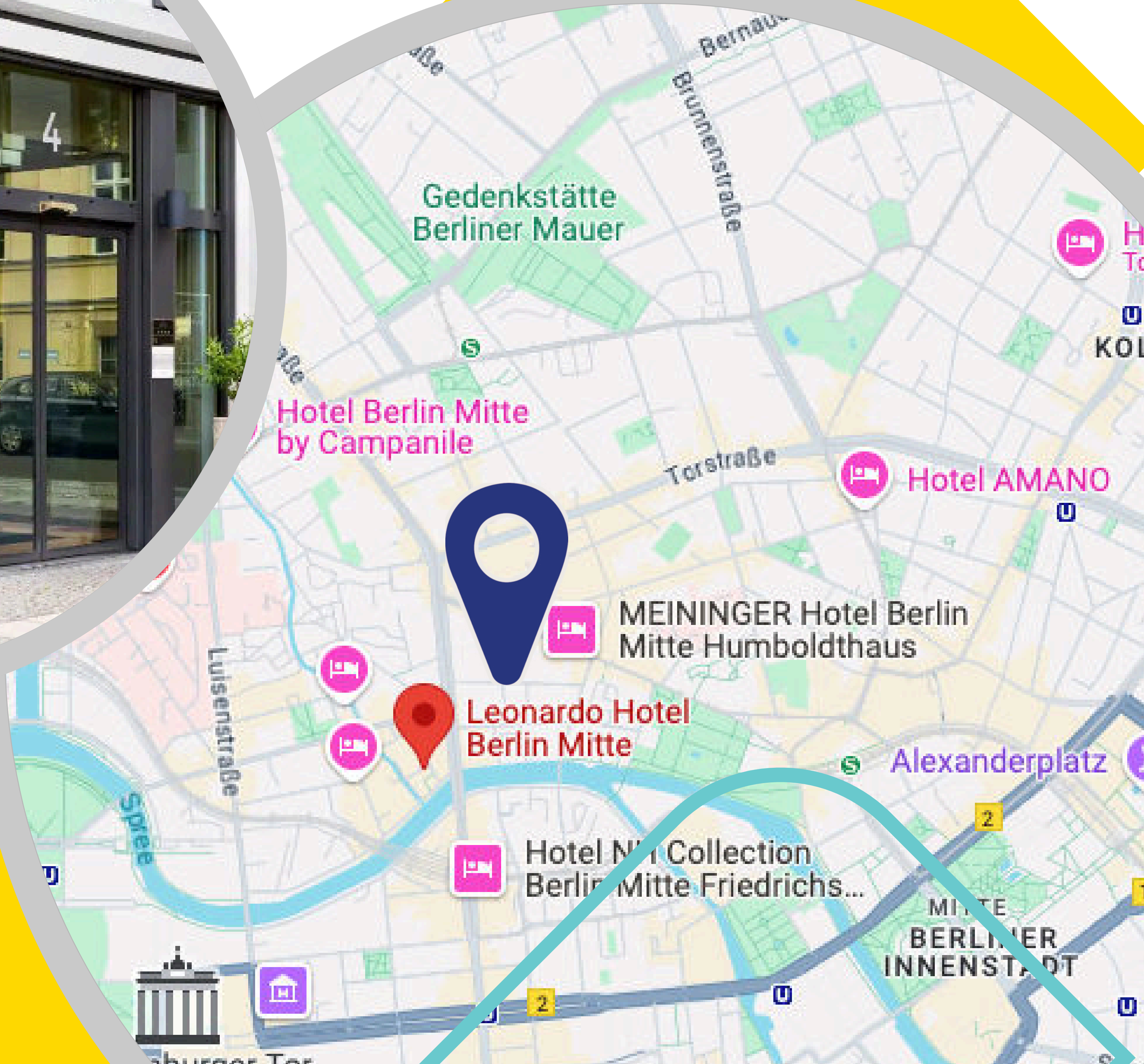
Berlin is not only the capital of Germany, but also in many ways the capital of Europe, sitting at the crossroads of the East and West. Germany serves as the continent's largest economy and the world's fourth-largest overall. It's a major player in the industry, engineering, science, and renewable energy, and Berlin has recently been dubbed the start-up capital of Europe. It's a country known for its rich culture, world-famous festivals, beautiful landscape, and war-torn history. By occupying such an important place in the political, economic, and cultural worlds, Germany – Berlin in particular – makes for a compelling study abroad destination.

Conference Venue

LEONARDO HOTEL BERLIN MITTE

Address:

Bertolt-Brecht-Platz 4 10117 Berlin Germany



1st Day

Oral Presentations

Thursday | 13 March 2025

09:30 – 10:00

REGISTRATION & WELCOME

We are excited to welcome you to the much-awaited Oral Session at the **ICIREP** conference, featuring distinguished speakers from various fields who will present their knowledge and perspectives on a range of topics. Conference check-in will be available at Hall **Manege II** from **09:30** to **10:00** **Berlin, Germany** local time

10:00 – 10:15

Welcome Coffee

10:15 – 10:30

Saba Yasin– Mexico

Physiochemical Effects of Seed Thermo-priming on Maize (*Zea mays* L.) under Drought Stress.

10:30 – 10:45

Prof. Dr. Carly Stevens | Philip Donkersley | Saadia Shah– UK

Training the Next Generation of Agricultural Scientists.

10:45 – 11:00

Dr. Kewei Liu– Belgium

Highly-sensitive Volatile Organic Compounds Evaluation by $\text{ZnFe}_2\text{O}_4/\text{ZnSnO}_3$ Heterostructures and Their Predictive Grain Quality Monitoring.

11:00 – 11:15

Dr. Hiroko Seki– Japan

Evaluation of a Method for Measuring Tocopherol Content in Soybeans.

11:15 – 11:30

Lena Kalukuta Mahina–Belgium

Turning Waste into Wealth? The Case of Date Palm Composting.

1st Day

Oral Presentations

Thursday / 13 March 2025

11:30 – 11:45

Dr. Sahil Guliyev– Azerbaijan

Comparative Ecological Assessment of Common Village Pastures in Western Azerbaijan

11:45 – 12:00

Dr. Gentle Wilson Komi– Nigeria

Assessing Benthic Community in Nypa Palm Invaded Mangrove Forest in Asarama Andoni Local Government Area of Rivers State
Assessing Benthic Community in Nypa Palm Invaded Mangrove Forest in Asarama Andoni Local Government Area of Rivers State

12:00 – 12:15

Networking & Refreshments

12:15 – 12:30

Prof. Mika Goto– Japan

DEA Environmental Assessment: Models and Applications.

12:30 – 12:45

Paraskevi (Vivian) Angeletopoulou– Greece

Energy Poverty and Severe Material Deprivation in Greece: A Path to Inclusive Policy Solutions.

12:45 – 13:00

Dr. Nugun Jellason– UK

Leveraging Blockchain and Distributed Ledger Technologies (DLTs) for Transparent and Efficient Sustainable Energy Management.

13:00 – 13:15

Ibtissam Bouarfa– Morocco

Evaluating Rapeseed Oil as a Cost-Effective and Sustainable Heat Transfer Fluid for Parabolic Trough Collectors in Morocco's Industrial Sector.

1st Day

Oral Presentations

Thursday | 13 March 2025

13:15 – 13:30

Kien Doan Chi Nguyen– USA

Regional differences in the health and environmental benefits of wind and solar energy: A case study of Vietnam.

13:30 – 13:45

Mohamed Boujoudar– Morocco

Artificial Intelligence for Predictive Maintenance in Concentrated Solar Power Plants

13:45 – 14:00

Prof. Dr. Khaled Khalil–France

Modeling of fire resistance of polymer composite sandwich structure covered by aluminum sheets..

14:00 – 15:00

Lunch and Closing Time

1st Day

Poster Presentations

Thursday / 13 March 2025

09:30 – 10:00

REGISTRATION & WELCOME

We are excited to welcome you to the much-awaited Poster Session at the **ICIREP** conference, featuring distinguished speakers from various fields who will present their knowledge and perspectives on a range of topics. Conference check-in will be available at Hall **Manege II** from **09:30** to **10:00** **Berlin, Germany** local time

Tamar Chezhia- Georgia

An inquiry on Blueberry (*Vaccinium corymbosum* L.) diseases in western Georgia.

Dr. Kwaku Adu

Herbicide adoption decision for cashew farming in Ghana: A probit regression analysis.

Prof. Dr. Weiwei Zhu- China

Research on agricultural water consumption management method in typical arid regions

2nd Day

Virtual Presentations

Friday | 14 March 2025

12:15 – 12:30

Sign-In & Welcome

We are thrilled to welcome all participants to **ICIREP**! We are delighted to offer a one-of-a-kind virtual experience, featuring a variety of sessions, engaging discussions, and valuable networking opportunities for those joining us from the comfort of their homes. Check-in will be available from **12:15** to **12:30** local time in **Berlin, Germany**.

12:30 – 12:45

Aravind Reddy Boozula– USA

Review of Thermal Runaway hazards in the Na-ion Batteries in comparison with the Li-ion batteries, and suggest the areas that need to be improved to make batteries safer

12:45 – 13:00

Radhika Girish Lampuse– USA

Hailstorm Risk in Solar Energy: A Data-Driven Approach for Site Assessment.

13:00 – 13:15

Shubham Metha– United States

Sustainability using Artificial Intelligence: Transformative Solutions in the IT Sector.

13:15 – 13:30

Q & A– Break Time

13:30 – 13:45

Pratik Dahule– USA

Integrating IT and Solar Energy: A New Era of Smart Agriculture.

13:45 – 14:00

Štefan Krištofič– Slovakia

The path to sustainable construction: innovative approaches to reduce electricity consumption on construction sites.

2nd Day

Virtual Presentations

Friday | 14 March 2025

14:00 – 14:15

Sahil Shah– USA

Industrial Heat Pump and their use in Food & Beverage Industry.

14:15 – 14:30

Prof. Sebastian Werle– Poland

Production of Liquid Oxygenated Chemical Compounds via the Oxidative Liquefaction of Municipal Solid Waste.

14:30 – 14:45

Q & A– Closing Time

3rd Day

City Tour Information

Meeting Point

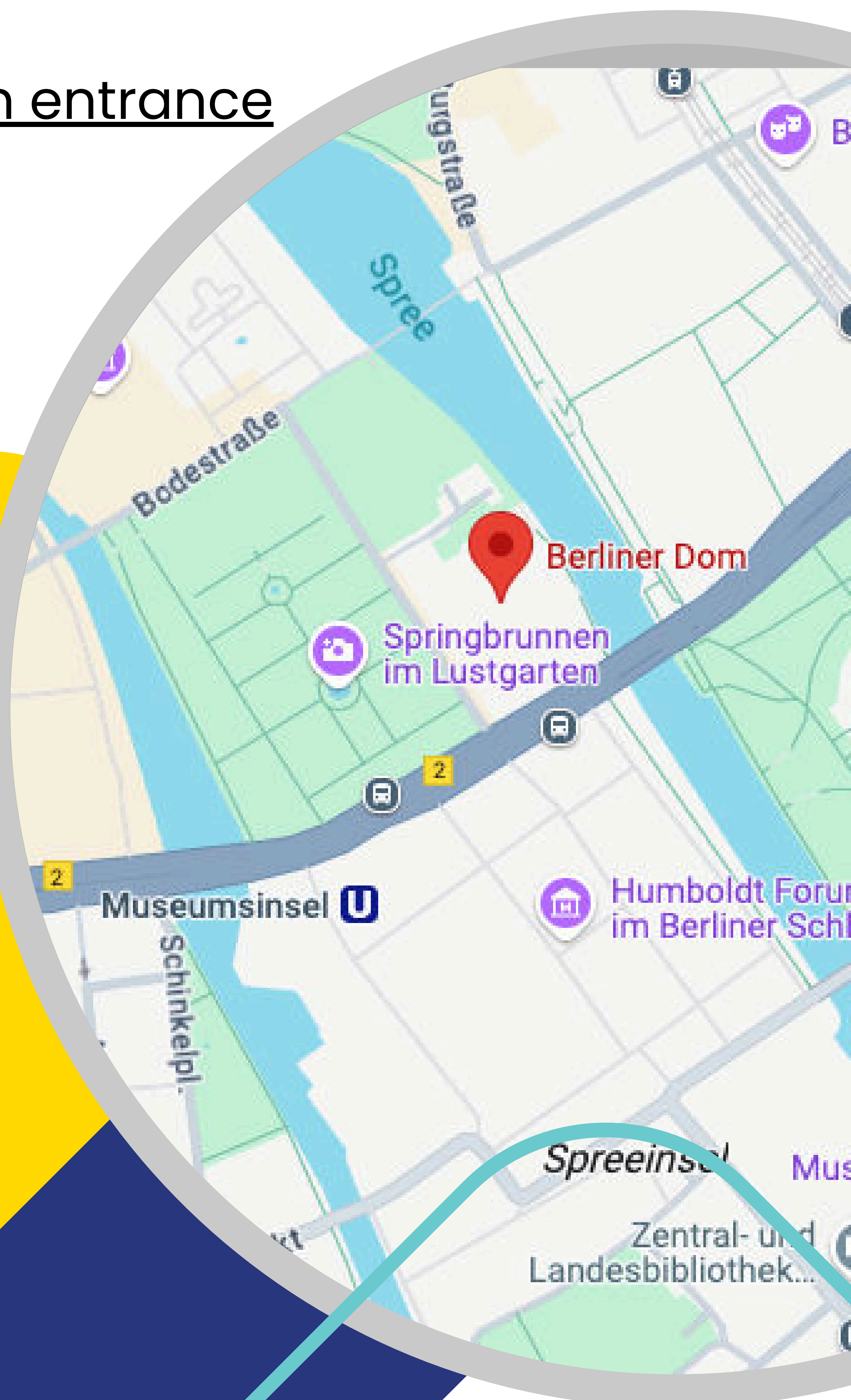
The Berlin Cathedral at the main entrance

Tour Date: 15 Mar 2025

Tour Time: 10:00 AM

Address:

The Berlin Cathedral at the main entrance



F.A.Q.

of the Conference

To give you as much information as possible, we provide you with the following frequently asked questions (FAQs) and answers.

Invoices or payment receipt. When will I receive my invoice/payment receipt?

01.

We send invoices to customers in the last week before the conference. (Invoices come with signature and stamp). If you do not receive an invoice, please contact us at the email address in your program.

When will you give us certificates?

02.

Listeners and Speakers will be awarded Certificates at the venue. The certificate of virtual attendees will be emailed after the conference.

Publication opportunities; Where and when will my paper be published?

03.

All Abstracts will be published in the Abstract Book (link in the program). Other publishing opportunities including conference Proceedings, peer-reviewed indexed journals, etc. will be announced by our colleagues a few weeks after the conference.

Virtual presentations. How can we join the Virtual sessions?

04.

We will send information to all conference participants in an email with simple and clear instructions. There is a link that will automatically connect you to the conference platform. **Please note there is no need to join the virtual session from the conference venue. You can join us anywhere & you just need a computer and internet.**

How long is a conference paper presentation for in-person or virtual delegates?

05.

In-person or virtual presenters will have 13 minutes for paper presentation, and then 2 minutes for Q&A.

Any other questions?

Or maybe you want to leave your feedback?

We look forward to your letter by the following email:

 www.icirep.org
 info@icirep.org



 www.steconf.org
 info@steconf.org