



DC AND FACTS ENABLING CONTINUOUS GROWTH OF RENEWABLES

CIGRE B4-Meeting Vienna 2023
International Conference
11-15 September 2023



Follow us: #CIGREB4SCMeeting
#B4Kolloquium #vienna #HVDC #FACTS



TABLE OF CONTENTS

01	Austria, Vienna and Salzburg	13	Tutorial
06	Symposium venue and Accomodation	14	Technical Visit and Social Events
09	Program at a Glance	16	Conference Rooms and Registration Desk
12	Detailed Session Overview	22	Organizational Topics (Meetings, Public Transport, Companion Tours and Contact Information)
		33	Sponsors





AUSTRIA

Austria, a picturesque country nestled in the heart of Europe, is renowned for its stunning landscapes, rich history, and vibrant culture. From the majestic peaks of the Alps to the enchanting cities, Austria offers a diverse range of experiences for travellers and locals alike.

One of Austria's most iconic landmarks is the capital city, Vienna. Known as the "City of Music," Vienna is a cultural hub that has produced some of the world's greatest composers, including Mozart, Beethoven, and Strauss. The city's architectural splendour is evident in its grand palaces, such as Schönbrunn Palace and Belvedere Palace, which showcase the country's imperial past.

Beyond Vienna, Austria's natural beauty is awe-inspiring. The Alps dominate the landscape, providing breath-taking vistas and opportunities for outdoor activities. Skiing enthusiasts flock to the famous resorts of St. Anton, Kitzbühel, and Ischgl during the winter months, while hikers and nature lovers can explore the numerous trails and alpine meadows during the summer.

Salzburg, another gem of Austria, is famous as the birthplace of Mozart and the setting for "The Sound of Music." This charming city captivates visitors with its baroque architecture, winding streets, and the imposing Hohensalzburg Fortress overlooking the old town. The Salzburg Festival, held annually, attracts music and theatre enthusiasts from around the world, adding to the city's cultural allure.

Austria's love affair with the arts extends beyond music. The country is home to numerous world-class museums and galleries. In Vienna, the Museum of Art History houses an extensive collection of artworks from renowned masters, while the Leopold Museum showcases Austrian modern art, including works by Gustav Klimt and Egon Schiele. The Belvedere Museum is famous for its collection of Klimt's iconic painting, "The Kiss."

When it comes to culinary delights, Austria has a lot to offer. Traditional Austrian cuisine is hearty and flavoursome, with dishes like Wiener Schnitzel, Sachertorte, and Apfelstrudel being popular favourite's. The country's vibrant café culture is deeply ingrained in Austrian society, and a leisurely afternoon spent in a traditional Viennese coffee house, savouring a cup of coffee and a slice of cake, is a must-do experience.

Austria also takes pride in its strong commitment to environmental sustainability. The country is known for its efficient public transportation system, well-maintained cycling paths, and the use of renewable energy sources. Whether exploring the cities or venturing into the countryside, visitors can appreciate Austria's efforts in preserving its natural resources.

In summary, Austria is a captivating destination that seamlessly blends history, culture, and natural beauty. From the grandeur of Vienna to the charm of Salzburg and the majestic Alps, Austria offers a multitude of experiences for every traveller. With its rich heritage, culinary delights, and commitment to sustainability, Austria continues to enchant visitors from around the globe.



VIENNA

The capital of Austria is situated in the Eastern part of the country and home to two million inhabitants. The city is famous for its cultural events, imperial sights and coffee house culture.

Vienna's history dates back to around about the first century AD, when the Romans established the military camp Vindobona. Until the 19th century Vienna was the dynasty capital of the Habsburg monarchy, many well-known architectural sights were built during that time.



Vienna owes much of its international fame to the many celebrated composers who lived and worked here, including Strauß, Mozart, Beethoven and Haydn. The Vienna Philharmonic Orchestra is one of the world's best, the State Opera amongst the leading opera houses, not to forget the famous Vienna Boys' Choir.

For more information please visit the Official travel guide of the city (next page).



Vienna | Visit Austria's Imperial Capital

Austria's capital Vienna offers a blend of imperial traditions and endearing charm. ✓ Top 6 highlights ✓ Architecture ✓ Music
✓ Coffee houses & wine taverns

<https://www.austria.info/en/where-to-go/cities/vienna>





SALZBURG FOR TECHNICAL TOUR ONLY

Salzburg is unique - in every regard. Anyone who has ever immersed themselves in the magic of the world-famous City of Mozart can never escape it again.

The harmonious interplay of landscape and architecture, art and culture, as well as traditional and modern, all within a surprisingly small area, merely adds to the special charm of this place.



Credit: iStock_bluejayphoto

Credit: iStock_ZU_09



W.A.Mozart.

Salzburg is the city where W. A. Mozart was born and the shooting location for "The Sound of Music". The narrow lanes and broad squares of this baroque city have taken their deserved place on the UNESCO World Heritage List.

The internationally acclaimed Salzburg Festival, the magnificent panorama and the countless temptations of Christmastime make Salzburg a complete artwork in its own right, and one that is quite beyond compare.



For more information please visit Salzburg Info: <https://www.salzburg.info/en>

S

Travel Guide to Salzburg, City of Culture

Salzburg city tourist board website: We provide you with useful information about affordable hotels, special events and sights in...

[salzburg.info](https://www.salzburg.info)





SYMPOSIUM VENUE AND ACCOMMODATION

The conference will be held at the Austria Trend Hotel Savoyen Vienna. The hotel is situated right at one of Viennas most famous tourist attractions – Schloss Belvedere.

AUSTRIA TREND HOTEL SAVOYEN VIENNA

RENNWEG 16

1030 VIENNA

AUSTRIA TREND HOTEL SAVOYEN VIENNA

PLEASE CONTACT MARIA.HAUF@AUSTRIA-TREND.AT WITH SUBJECT MATTER "OVEEL" FOR ROOM RESERVATIONS

Google Maps



Credit: Austria Trend Hotel



Photo: Wien Tourismus



Wien Tourismus / Christian Stemper

Credit: Austria Trend Hotel



Credit: Austria Trend Hotel



Most participants will stay directly at die venue's site at Rennweg 16 in the 3th district of Vienna. However there many other possible accommodation facilities nearby that can of course be chosen as well.

An impression about rooms at the Austria Trend Hotel Savoyen Vienna provides below picture.

Credit: Austria Trend Hotel





SALZBURG ACCOMMODATION

Rooms at the Austria Trend Hotel Salzburg Mitte have already been reserved for a limited number of rooms. Please contact the hotel under: reservierung.salzburg.mitte@austria-trend.at; Use the Keyword: "OVE"

Credit: Austria Trend Hotel



Credit: Austria Trend Hotel



Google Maps





PROGRAM AT A GLANCE

DATE	VENUE	TECHNICAL PROGRAMME	SOCIAL EVENT START	REMARK
Saturday, Sept. 09, 2023	OVE	Working Group Meetings		
Sunday, Sept. 10, 2023	OVE / Hotel Savoyen	Working Group Meetings	Welcome Cocktail 6:00 pm	Hotel Savoyen Vienna
Monday, Sept. 11, 2023	Hotel Savoyen	SC-B4 Meeting	SC B4 Dinner 7:00 pm	Heuriger Mayer am Pfarrplatz
Tuesday, Sept. 12, 2023	Hotel Savoyen	Colloquium	Soiree 7:00 pm	Vienna City Hall
Wednesday, Sept. 13, 2023	Hotel Savoyen	Colloquium / READY4DC & InterOPERA Meeting		
Thursday, Sept. 14, 2023	Hotel Savoyen	Tutorial		Transfer to Salzburg in the afternoon
Friday, Sept. 15, 2023	Salzburg	Technical Tour to Kaprun	Scenic Tour 7:45 am	Pumped Storage Power Plant



Saturday - Monday

Time	Saturday, September 9, 2023	Sunday, September 10, 2023	Monday, September 11, 2023	
Room	Multiple Rooms	Multiple Rooms	Lobby	
07:30 - 08:00				
08:00 - 08:30				
08:30 - 09:00				
09:00 - 09:30	WG Meetings according to schedule	WG Meetings according to schedule	Meeting	
09:30 - 10:00			Registration	
10:00 - 10:30				
10:30 - 10:50				Coffeebreak
10:50 - 11:00				
11:00 - 11:30				
11:30 - 12:00				
12:00 - 12:30				
12:30 - 13:00				Lunchbreak 12:30 - 13:30
13:00 - 13:30				
13:30 - 14:00				
14:00 - 14:30				Meeting
14:30 - 15:00				Registration
15:00 - 15:30				
15:30 - 15:50				Coffeebreak 15:00 - 15:30
15:50 - 16:10				
16:10 - 16:30				
16:30 - 17:00				
17:00 - 17:30				
17:30 - 18:00				
18:00 - 18:30				
18:30 - 19:00				
19:00 - 19:30				
19:30 - 20:00		Welcome Reception Start 18:00	SC B4 Dinner Start 19:00	
20:00 - 20:30				
20:30 - 21:00				
21:00 - 21:30				
21:30 - 22:00				



Tuesday - Friday

Time	Tuesday, September 12, 2023		Wednesday, September 13, 2023		Thursday, September 14, 2023	Friday, September 15, 2023
Room	Olympia Mancini 2	Lobby	Olympia Mancini 2	Paris & Wien	Olympia Mancini 1	Salzburg & Kaprun
07:30 - 08:00						Meeting at Hotel Salzburg Mitte
08:00 - 08:30	Opening 08:20-08:30					Bus trip to Kaprun
08:30 - 09:00	Paper Session 1 08:30 - 10:30	Registration			Tutorials 1-2 08:30 - 11:10	
09:00 - 09:30			Paper Session 5 08:30 - 10:30	READY4DC & InterOPERA		
09:30 - 10:00					Paper Session 6 10:50 - 12:30	Coffeebreak: 11:10 - 11:25
10:00 - 10:30			Coffeebreak 10:30 - 10:50	Tutorial 3 11:25 - 12:45		
10:30 - 10:50	Coffeebreak 10:30 - 10:50				Lunchbreak 12:45 - 13:30	Technical Visit Kaprun-Pump-Storage Power Plant: Coffee- and lunchbreaks on demand
10:50 - 11:00						
11:00 - 11:30						
11:30 - 12:00						
12:00 - 12:30	Lunchbreak 12:30 - 13:30		Lunchbreak 12:30 - 13:30		Lunchbreak 12:45 - 13:30	
12:30 - 13:00					Tutorial 4 13:30 - 14:50	
13:00 - 13:30						
13:30 - 14:00	Paper Session 2 10:50 - 12:30		Paper Session 7 13:30 - 14:50			
14:00 - 14:30						Coffeebreak 14:50 - 15:10
14:30 - 15:00					Train trip to Salzburg Under own responsibility	
15:00 - 15:30						
15:30 - 15:50	Coffeebreak 15:30 - 15:50				Bus trip back to Hotel Salzburg Mitte	
15:50 - 16:10	READY4DC 15:50-16:10					
16:10 - 16:30						
16:30 - 17:00						
17:00 - 17:30	Paper Session 3 13:30 - 15:30		Paper Session 8 15:10 - 17:10			
17:30 - 18:00						
18:00 - 18:30						
18:30 - 19:00						
19:00 - 19:30						
19:30 - 20:00	Soiree Start	19:00				
20:00 - 20:30						
20:30 - 21:00						
21:00 - 21:30						
21:30 - 22:00						



DETAILED SESSION OVERVIEW

Date: Monday, 11/Sept/2023

8:30	B4 SC Meeting Monday Morning Location: Savoyen Olympia Mancini 1 Chair: Jingxuan (Joanne) Hu, RBJ Engineering Corporation
12:30	Lunch Break Monday Location: Savoyen Lobby
13:30	B4 SC Meeting Monday Afternoon Location: Savoyen Olympia Mancini 1 Chair: Jingxuan (Joanne) Hu, RBJ Engineering Corporation
17:00	-

Date: Tuesday, 12/Sept/2023

8:20	Opening of Colloquium Location: Savoyen Olympia Mancini 2 Chair: Jingxuan (Joanne) Hu, RBJ Engineering Corporation
8:30	VSC-Design Location: Savoyen Olympia Mancini 2 Chair: Christian Winter, Minnesota Power
10:30	Coffee Break Tuesday Morning Location: Savoyen Lobby
10:50	VSC-Technologies Location: Savoyen Olympia Mancini 2 Chair: Carsten Bartzsch, Siemens Energy
12:30	Lunch Break Tuesday Location: Savoyen Lobby
13:30	VSC-Performance Location: Savoyen Olympia Mancini 2 Chair: Nigel Shore, Hitachi Energy
15:30	Coffee Break Tuesday Afternoon Location: Savoyen Lobby
15:50	Presentation READY 4DC and Interopera Location: Savoyen Olympia Mancini 1
16:10	-
16:10	STATCOM/DC Equipment Location: Savoyen Olympia Mancini 2 Chair: Ricardo Tenorio, ONS
17:30	-

Date: Wednesday, 13/Sept/2023

8:00	READY4DC & InterOPERA Workshop Location: Savoyen Paris&Wien Chair: Nina Mavrogeorgou, WindEurope
8:30	Grid Forming Location: Savoyen Olympia Mancini 2 Chair: Michael Hartmann, TU Graz
10:30	Coffee Break Wednesday Morning Location: Savoyen Lobby
10:50	DC Grid (1) Location: Savoyen Olympia Mancini 2 Chair: Ilka Jahn, RWTH Aachen University
12:30	Lunch Break Wednesday Location: Savoyen Lobby
13:30	DC Grid (2) Location: Savoyen Olympia Mancini 2 Chair: Kees Koreman, TenneT TSO BV
14:50	Coffee Break Wednesday Afternoon Location: Savoyen Lobby
15:10	DC/PE-Planning, Operation&Maintenance Location: Savoyen Olympia Mancini 2 Chair: Zhibo Wang, Mitsubishi Electric Power Products, Inc.
17:10	-

Date: Thursday, 14/Sept/2023

8:30	Solid state transformer Location: Savoyen Olympia Mancini 1 Tutorial presented by Markus Makoschitz from Austrian Institut of Technology
9:50	B4.84: Feasibility study and application of electric energy storage systems embedded in HVDC systems Location: Savoyen Olympia Mancini 1 Tutorial presented by Hani Saad from ACCD Transient LLC
11:10	Coffee Break Thursday Morning Location: Savoyen Lobby
11:25	B4.87: Voltage Source Converters (VSC) HVDC responses to disturbances and faults in AC systems which have low synchronous generation Location: Savoyen Olympia Mancini 1 Tutorial presented by Carl Barker from GE Renewable Energy, Part of GE Vernova
12:45	Lunch Break Thursday Location: Savoyen Lobby
13:30	B4.81: Interaction between nearby VSC-HVDC converters, FACTS devices, HV power electronic devices and conventional AC equipment Location: Savoyen Olympia Mancini 1 Tutorial presented by Kamran Sharifabadi from Equinor
14:50	-

Date: Sunday, 10/Sept/2023

8:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 1 Chair: Jingxuan (Joanne) Hu, RBJ Engineering Corporation	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 1 Chair: Leslie Neil Brand, Amplitude Consultants Pty Ltd
10:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Paris&Wien Chair: Bruno John Bisewski, RBJ Engineering Corp	-
9:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 3 Chair: Kamran Sharifabadi, Equinor	-
11:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 3 Chair: Hong Rao, China Southern Power Grid	-
9:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 3 Chair: Kamran Sharifabadi, Equinor	-
13:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 3 Chair: Kamran Sharifabadi, Equinor	-
17:00	Coffee Break Sunday Morning Location: Savoyen Lobby	-
10:30	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 1 Chair: Rebecca Ostash, Transgrid Solutions Inc.	-
11:30	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 3 Chair: Zhiyuan He, State Grid Smart Grid Research Institute Co., Ltd.	-
13:00	Working Group Meetings at Hotel Savoyen on Sunday Location: Savoyen Olympia Mancini 1	-
14:00	Coffee Break Sunday Afternoon Location: Savoyen Lobby	-
17:00	Cocktail Reception Sunday Location: Savoyen Lobby	-
15:00	-	-
15:30	-	-
18:00	-	-
20:00	-	-

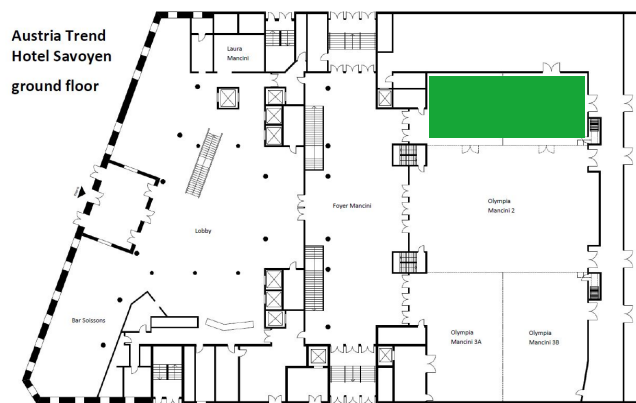
Access to Paper Sessions Details:





TUTORIAL

The last day of the SC B4 Meeting and Colloquium in Vienna is reserved for technical tutorials. The Tutorials are available to registered participants only. They will be held in room Olympia Mancini 1 and there will be a coffee break of 15 Minutes between the second and third tutorial. The 45 min lunch break will start at 12:45 am.



AFFILIATION	THURSDAY, SEPT. 14	TITLE	PRESENTED BY
Austrian Institut of Technology	08:30 am - 09:50 am	Solid state transformer	Markus Makoschitz
ACDC Transient LLC	09:50 am - 11:10 am	B4.84: Feasibility study and application of electric energy storage systems embedded in HVDC systems	Hani Saad
GE	11:25 am - 12:45 am	B4.87: Voltage Source Converters (VSC) HVDC responses to disturbances and faults in AC systems which have low synchronous generation	Carl Barker
12:45 am - 01:30 pm lunch break			
Equinor	01:30 pm - 02:50 pm	B4.81: Interaction between nearby VSC-HVDC converters, FACTs devices, HV power electronic devices and conventional AC equipment	Kamran Sharifabadi

Photo: Wien Tourismus



Wien Tourismus / Christian Stemper

TECHNICAL VISIT SALZBURG & KAPRUN

The B4 Colloquium concludes with a Technical Tour to Salzburg and the Kaprun-Pump-Storage-Power plant. This is for registered persons only.

Credit: [iStock_bluejayphoto](#)





DATE	PROGRAMME
Thursday, September 14, 2023	In the afternoon, after the tutorial, individual transfer to Salzburg with public train. Tickets will be handed over during Colloquium.
Thursday, September 14, 2023	Check in at the Austria Trend Hotel Salzburg. Please book your room on your own. See page 10 .
Friday, September 15, 2023	7:45 a.m. Meeting point in front of the hotel. 7:50 a.m. Departure by bus to Power Plant Kaprun.
Friday, September 15, 2023	4:00 p.m. Departure by bus back to the Hotel. 6:30 p.m. end of the Cigre B4 Technical Tour.
Included in the price: Train Transfer from Vienna to Salzburg (2h), Bus to Kaprun, Technical Visit of Kaprun-Pump-Storage Power Plant, Lunch and Breaks	



Source: <https://www.bloomberg.com/features/2018-kaprun-hydroelectric-station-battery/#xj4y7vzkg>

Photo: Wien Tourismus



Wien Tourismus / Christian Stemper

SOCIAL EVENTS

Foto-Credit: OVE/Fürthner



Foto-Credit: OVE/Fürthner



Foto-Credit: OVE/Fürthner





Welcome Reception

Date: Sunday, September 10, 2023

Start: 18:00 (6:00 pm)

Dress Code: Business Casual

Finger food and drinks are served within the first 2h free of charge.





SC B4 Dinner

Only for SC B4 Members and invited guests

Date: Monday, September 11, 2023

Start: 19:00 (7:00 pm)

Dress Code: Business Casual

Location: Mayer am Pfarrplatz



Home
 Pleasant wintertime at Mayer. The winter season is officially opened: From Old...
 pfarrplatz.at

From Hotel Savoyen use U4 Stadtpark to Heiligenstadt and take Bus 38A to the Grinzinger Str.



Photo: Wien Tourismus



Wien Tourismus / Christian Stemper



Soiree

Only for registered and invited guests

Date: Tuesday, September 12, 2023

Start: 19:00 (7:00 pm)

Dress Code: Business Casual

Location: Vienna City Hall -
Wappensaal

Entrance via Lichtenfelsgasse

Kindly supported by



Photo: C. Gasser



Photo: C. Gasser

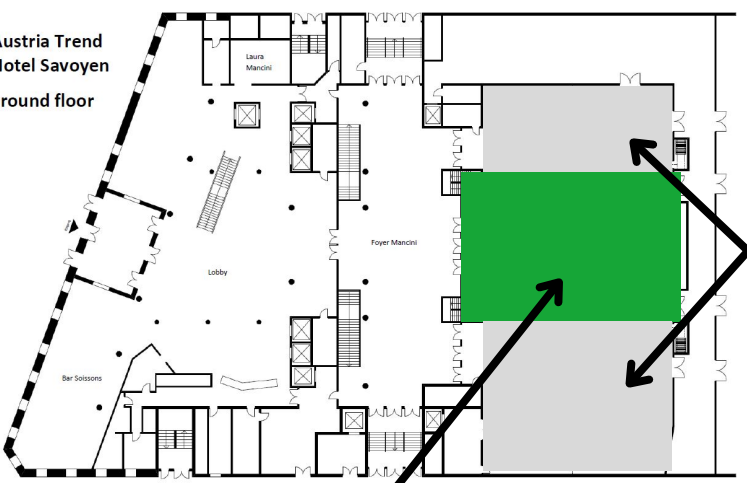
From Hotel Savoyen use Tram 71 to Parlament and walk to the Vienna City Hall





CONFERENCE ROOMS

Austria Trend Hotel Savoyen ground floor



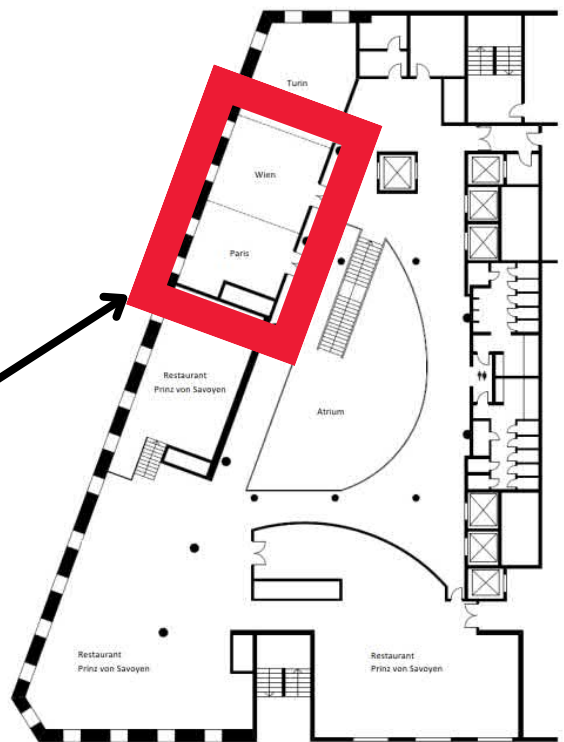
Olympia Mancini 1+3



Olympia Mancini 2



Austria Trend Hotel Savoyen – 1st floor



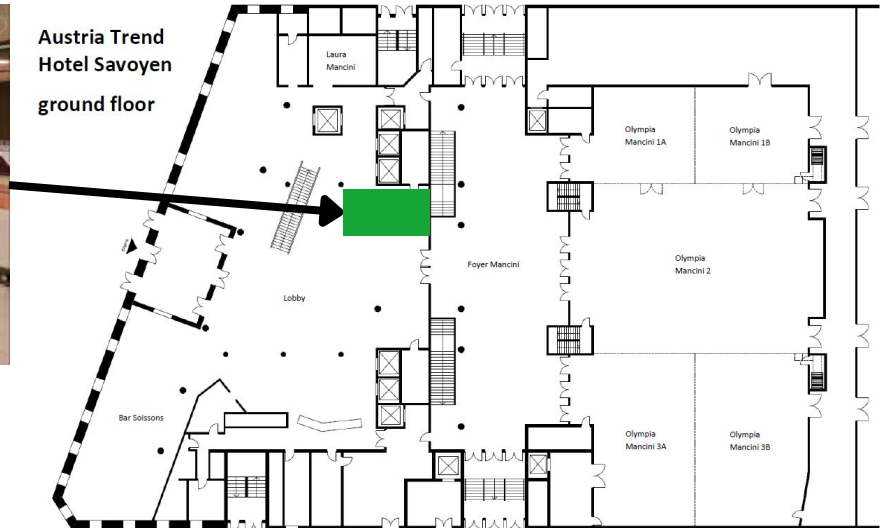
Paris&Wien



REGISTRATION DESK



Lobby



Registration desk is in the lobby in front of the Main conference Hall of the Hotel Savoyen Vienna.

Opening hours:

- Sunday, September 10, 2023: 2 PM – 5 PM**
- Monday, September 11, 2023: 8 AM – 12 PM**
- Tuesday, September 12, 2023: 8 AM – 12 PM**



ORGANIZATIONAL TOPICS

23 Meetings for Workinggroups

26 READY4DC Workshop

27 Meetings at Hotel Savoyen

28 Meetings at OVE

30 Vienna Public Transport

31 Companion Tour

32 Contact Information



MEETINGS

Working Group Meetings

Only for Working Group Members and invited guests

Saturday, September 9, 2023

WG	TITLE	CONVENER	TIME SLOT	LOCATION
B4.89	Condition Health Monitoring and predictive maintenance of HVDC Converter Stations	Nadine Chapalain	09:00 am - 05:00 pm	OVE Turmzimmer
B4/C4.93	Development of Grid Forming Converters for Secure and Reliable Operation of Future Electricity Systems	Dechao Kong	09:00 am - 05:00 pm	OVE Galerie
B4.94	Application of VSC-HVDC in a System Black Start Restoration	Arash FazelDarbandi	09:00 am - 05:00 pm	OVE Sitzungszimmer
B4.AG04-TF4	Reliability Performance of Multi-Terminal DC Grid Systems	Sergio E. Santo	05:00 pm - 08:00 pm	OVE Turmzimmer



Sunday, September 10, 2023

WG	TITLE	CONVENER	TIME SLOT	LOCATION
B4.81	Interaction between nearby VSC-HVDC converters, FACTS devices, HV power electronic devices and conventional AC equipment	Kamran Sharifabadi	09:00 am - 01:00 pm	Savoyen Olympia Macini 3B
B4.87	Voltage Source Converters (VSC) HVDC responses to disturbances and faults in AC systems which have low synchronous generation	Carl Barker	09:00 am - 05:00 pm	OVE Galerie
B4.90	Operation and maintenance of HVDC and FACTS Facilities	Les Brand	09:00 am - 05:00 pm	Savoyen Olympia Macini 1B
B4.94	Application of VSC-HVDC in a System Black Start Restoration	Arash FazelDarbandi	09:00 am - 05:00 pm	OVE Sitzungszimmer
B4-AG01	Strategic advisory group	Joanne Hu	08:00 am - 10:00 am	Savoyen Olympia Macini 1A
B4-AG04	HVDC/FACTS System performance	Lyle Crowe	09:00 am - 01:00 pm	OVE Turmzimmer
B4.WiE	B4 Women in Energy	Rebecca Ostash	10:30 am - 11:30 am	Savoyen Olympia Macini 1A
Green Book	Green Book on HVDC	Stig Nilsson	02:00 pm - 05:00 pm	Savoyen Olympia Macini 1A



Sunday, September 10, 2023

WG	TITLE	CONVENER	TIME SLOT	LOCATION
B4.AG04 - TF4	Reliability Performance of Multi-Terminal DC Grid Systems	Sergio E. Santo	01:00 pm - 05:00 pm	OVE Turmzimmer
B4.79	Hybrid LCC/VSC HVDC Systems	Hong Rao	09:00 am - 05:00 pm	Savoyen Olympia Macini 3A
B4/A3.8 6	Fault Current Limiting Technologies for DC Grids	Zhiyuan He	01:00 pm - 05:00 pm	Savoyen Olympia Macini 3B
JTF B4B1B3 C4D1.95	Harmonization of voltage designations and definitions across different HVDC component technologies	Bruno Bisewski	09:00 am - 11:00 am	Savoyen Paris&Wien





READY4DC Workshop

Only for Working Group Members and invited guests

Wednesday, September 13, 2023

WG	TITLE	CONTACT	TIME SLOT	LOCATION
READY4DC & InterOPERA	READY4DC will create a community of experts to work out recommendations on how to plan and build an interoperable and expandable direct current grid in Europe. READY4DC paves the way for InterOPERA and the first HVDC multi-terminal, multi-vendor, multi-purpose real-life projects in Europe.	Nina Mavrogeorgou	08:00 am - 12:30 am	Savoyen Paris & Wien



Meetings at Hotel Savoyen

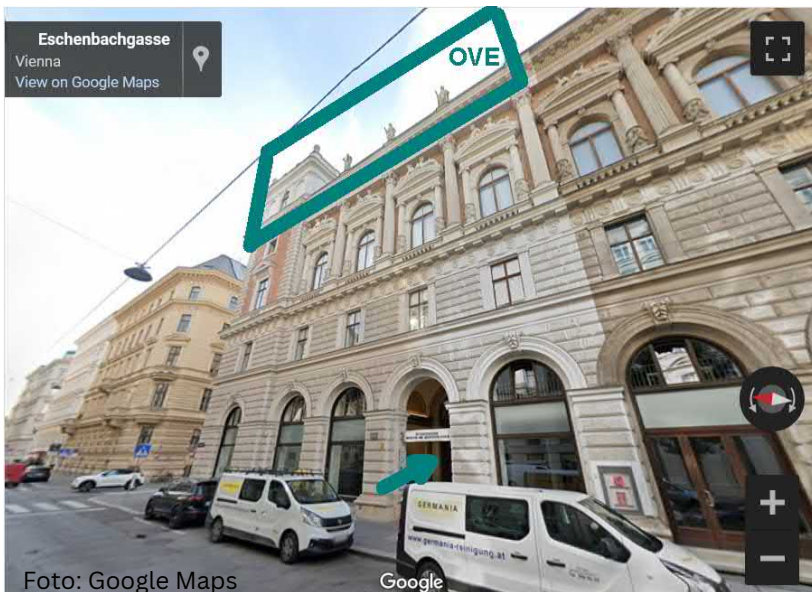
Meeting rooms with classroom seating and video projector

SUNDAY, SEPTEMBER 10, 2023	Time	Olympia Macini 1A	Olympia Macini 1B	Olympia Macini 3A	Olympia Macini 3B	Paris & Wien
WG	08:00 am - 01:00 pm	B4-AG01 & B4.WiE	B4.90	B4.79	B4.81	JTF B4B1B3C4D 1.95
WG	01:00 pm - 05:00 pm	Green Book	B4.90	B4.79	B4/A3.86	
WEDNESDAY, SEPTEMBER 13, 2023						
Meeting	08:00 am - 12:30 am					READY4DC & InterOPERA



Meetings at OVE

All rooms fully equipped with video conference equipment



Contact during WG-meetings

Christian Gasser
 OVE Österreichischer Verband für Elektrotechnik
 Eschenbachgasse 9 | 1010 Wien
 T +43 1 587 63 73-535
 M +43 664 968 04 85
 c.gasser@ove.at | www.ove.at

From Savoyen use Tram 71 from Rennweg to Burgring and walk to Eschenbachgasse 9

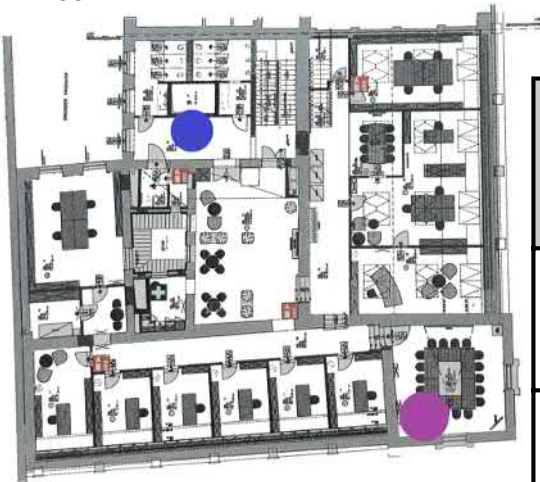




Meetings at OVE

All rooms fully equipped with video conference equipment

4th Floor:



-  FEUERLÖSCHER / EXTINGUISHER
 -  ERSTE HILFE KASTEN / FIRST AID KIT
 -  Besprechungsraum - Turmzimmer / Meeting Room - Turmzimmer
 -  Besprechungsraum - Galerie / Meeting Room - Galerie
- 3rd Floor: Sitzungszimmer**

SATURDAY, SEPTEMBER 9, 2023				
	Time	Turmzimmer	Galerie	Sitzungs-zimmer
WG	09:00 am - 01:00 pm	B4.89	B4/C4.9 3	B4.94
WG	01:00 pm - 05:00 pm	B4.89	B4/C4.9 3	B4.94
WG	05:00 pm - 08:00 pm	B4-AG04 TF4		
SUNDAY, SEPTEMBER 10, 2023				
WG	09:00 am - 01:00 pm	B4-AG04	B4.87	B4.94
WG	01:00 pm - 05:00 pm	B4-AG04 TF4	B4.87	B4.94



VIENNA PUBLIC TRANSPORT

All attendees have access to easy and reliable transportation options during their stay. To that end, the organization teams provide a link to the public transport system in the area. This system offers a variety of options for getting around, including buses, trains, and light rail. With frequent service and convenient routes, it's the perfect way to explore Vienna and get to the conference on time.

To access the public transport system website, simply click on the following link or scan the QR-Code. It is recommend to purchase tickets in advance.





COMPANION TOUR

Extra special for Vienna SC B4 Meeting companions:

On Monday morning, September 11, 2023, a guided Vienna city tour will be organized. The number of individuals is limited to 25 persons and the fee is 25€. First come, first served and registration is therefore absolutely necessary. Please send your details as soon as possible to c.gassere@ove.at / alexander.gaun@coilinnovation.at.

Foto: Belvedere, Wien

Belvedere Palace



Schönbrunn Palace



Foto: <https://www.city-walks.info/Vienna/Attractions.html>

Foto: <https://www.hofburg.com/>

Spanish Riding School



Foto: Rene van Bakel

Vienna Hofburg Palace





CONTACT INFORMATION

Chair of the conference

Joanne Hu

RBJ Engineering

j.hu@rbjengineering.com

Programm Director

Alexander Gaun

Coil Innovation

M: +43 664 82 52 628

alexander.gaun@coilinnovation.at

Contact Organisation

Christian Gasser

Marketing Management, Austrian Electrotechnical Association (OVE)

M: +43 664 968 04 85

c.gasser@ove.at

Technical Committee

Joanne Hu

Rebecca Ostash

Member of the technical committee

rostash@tgs.biz

Photo: Wien Tourismus



Wien Tourismus / Christian Stemper

SPONSORS

GOLDSPONSOR





COILINNOVATION

Excellence through Ingenuity

www.coilinnovation.at

Air-core Dry-type Reactors for DC and FACTS

Coil Innovation is customer focused and our most valuable asset lies in our highly trained and skilled employees. They are fundamental to the success of our company through developing **innovative designs** engineered to meet our clients' most **demanding applications**, manufacturing and delivering **high quality** products, and providing **excellent service**.

Coil Innovation is dedicated to maintaining a **safe** work place, adhering to an **ethical code of conduct**, and **protecting** our **environment** by **minimizing waste** and **minimizing** our **carbon footprint**.



COILINNOVATION
POWER INDUCTORS

Photo: Wien Tourismus



Wien Tourismus / Christian Stemper



LORÜNSER
KNILL GRUPPE





TRENCH
Sense the Power

LET'S DRIVE THE CHANGE TOGETHER FOR A GREENER WORLD

discover our green portfolio

weareregenera.com

REGENERA™ IS OUR INNOVATIVE HOLISTIC CONCEPT

that drives our commitment to preserve our environment and to create more sustainable societies, by providing the most advanced and competitive **GREEN PORTFOLIO** of transmission products.

INSTRUMENT TRANSFORMERS

- Blue Instrument Transformers™ (Clean Air)
- Ester Instrument Transformers
- Optical Current Transformers
- Sensgear™ Instrument Transformers

COILS

- Ester filled Arc Suppression Coils
- Dry type High Voltage Shunt Reactors
- ARCC™ Bushfire mitigation system
- SensCoil™



Discover our corporate website and our complete portfolio trench-group.com



REGENERA™

Mosaic Grid Solutions

Mosaic Grid Solutions is an internationally operating and highly specialized consulting and engineering service provider based in Karlsruhe, Germany. We support all stakeholders involved in the energy transition as a trustworthy and independent partner. Our expertise lies in the grid integration of large-scale power electronic projects such as high-voltage direct current transmission (HVDC), flexible ac transmission systems (FACTS), large-scale battery storage and electrolyzers. We identify requirements for converter-dominated power grids and perform design and system integration studies for next-generation assets.



Our Services

- Feasibility & System Impact Studies for HVDC, FACTS, BESS and Power2X Projects
- Support for Specifications, Engineering and Acceptance Tests
- Development of Simulation Models and Controls for EMT-Studies
- Conversion of Power System Data from PowerFactory™ to PSCAD™
- Development & Maintenance of Simulation Frameworks for Large-Scale EMT-Studies
- Hosting, Performance & Analysis of Grid-Integration and Interaction Studies
- Transient Stresses, Lightning Studies & Insulation Coordination
- Electromagnetic Interference Studies of Power Cables & Parallel Infrastructure
- Customized Workshops & Trainings dealing with Power Electronics-Dominated Grids

Mosaic Grid Solutions GmbH

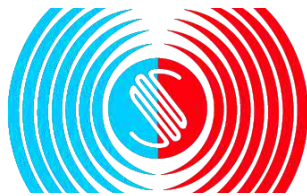
Haid-und-Neu-Str. 7
76131 Karlsruhe, Germany
info@mosaic-gridsolutions.com
www.mosaic-gridsolutions.com

**MOSAIC
GRID
SOLUTIONS**





SILVERSPONSOR



SCHNIEWINDT
THE POWER OF ELECTRIFYING IDEAS

SIEMENS
ENERGY



The DNA of tech.™



HVDC, a key enabler for a carbon-neutral energy system

We are developing and deploying technologies and solutions that are advancing the world's energy system to be more sustainable, flexible and secure.

hitachienergy.com/hvdc

HVDC technology will ensure efficient and reliable transmission of renewable energy, securing sustainable, reliable and affordable power today and in to the future.



ABOUT PLP

Founded in 1947, PLP is a global designer, manufacturer, and supplier of high-quality products and services for the electric power industry. With 25 global locations and customers in more than 140 countries, PLP is recognized around the world as a market leader in developing innovative and dependable solutions for transmission, distribution, and substation systems. This combination of local presence and global reach enables PLP to provide superior customer service, timely product delivery, and unmatched technical support to all our customers and industry partners.

CONTACTS

SIMON MAIER

DIRECTOR SALES & MARKETING

+43 676 34 30 788 (MOBILE)

+43 5572 372 674 22 (DIRECT)

+43 5572 372 674 0 (MAIN)

SMAIER@PLP-SUBCON.COM

DANIEL FETZ

TECHNICAL DIRECTOR

+43 676 649 1440 (MOBILE)





+43 5572 372 674 34 (DIRECT)

+43 5572 372 674 0 (MAIN)

DFETZ@PLP-SUBCON.COM

SUBCON

SubCon is PLP's line of substation connectors, including designs for all voltage levels up to 1100 kV AC and DC. The SubCon product range includes standard connectors, busbar couplers, bimetallic and copper clamps, and insulator string sets for specialized connectors. In addition, a complete set of complementary accessories, including stranded and tubular conductors, insulators, and grounding materials is available. And with more than 4,000 existing products and 1,000 tailor-made products designed each year, SubCon offers customizable solutions for any application.

Connector Bolted Type	Connector Bolted/ Compressed Type	Busbar Coupler	Busbar Support
			

Expansion Connector	Copper/Bimetallic Connector	Suspension String	Special HVDC Connector
