



# CALL FOR PAPERS

## CIGRE B4 COLLOQUIUM 2023

### SCOPE

The energy system is in transition from fossil-based to a more sustainable, zero-carbon system. Current challenges are manifold, e.g., society needs to create a climate-neutral energy system by mid of the century, we all need to meet a substantial net greenhouse gas emissions reduction by end of this century. Many risks are involved and the aspect of an uncertain global economic development is further creating an unfavorable decision environment. To meet all the goals the direction of the energy transition must not change, but speed need to increase and we need more binding and SMART milestones.

Renewable Energy Sources (RES) such as Wind, Solar, Hydro are considered as inexpensive and readily available resources. Grid technologies must provide sufficient flexibilities to enable the Energy System Transition to a high penetration of RES. Grid technologies are also vital to enhance and accelerate the integration of variable renewables into the energy systems. HVDC, DC Grids (Offshore and Onshore) and FACTS are the key technologies for the connection, collection and integration of RES and integration into the existing electrical energy system.

### VENUE

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



### CONFERENCE OBJECTIVES

Active Working Groups are invited to hold working group meetings to allow fruitful face-to-face discussions.

The aim of the 2023 CIGRE B4 Colloquium is to provide a forum for latest research results and system operations experience related to how HVDC, DC Grids and FACTS, dealing with challenges imposed on electrical distribution and transmission grids by integrating the necessary amount of RES.





# DC and FACTS enabling continuous Growth of Renewables

Date **11<sup>th</sup> - 15<sup>th</sup>**  
**September 2023**

## PROGRAMME SEPTEMBER 2023

- ✓ 09 th: Working Group Meetings (WGMs)
- ✓ 10 th: WGMs and Welcome Cocktail
- ✓ 11 th: SC-B4 Meeting and SC-B4 Dinner
- ✓ 12 th: Colloquium and Gala Dinner
- ✓ 13 th: Colloquium
- ✓ 14 th: Tutorial
- ✓ 15 th: Technical Tour Kaprun  
Details will be available at the conference homepage



## SUBMISSION OF PAPERS

- ✓ All Papers and presentations must be in English
- ✓ Instructions for Papers and Presentation will be available at conference homepage
- ✓ Authors of accepted papers must be available to present at the conference.
- ✓ Technical Papers will be published on e-cigre

## EXTENDED DEADLINE Full Paper

## IMPORTANT DATES

29th November 2022	31st January 2023	26th May 2023	14th July 2023	18th July 2023	18th August 2023	12th September 2023
Receipt of Synopsis	Paper acceptance notification	Receipt of Full Paper	Final acceptance of Full Paper	Registration deadline for Authors	Submission of Presentation	Start of Conference

## PRINCIPAL TOPIC

- ✓ There are no preferential subjects. Every paper with a special focus on MVDC, HVDC, DC Grids, FACTS and renewables as well as related equipment will be reviewed. It is up to the technical committee to limit the number of allowed papers.

Conference Homepage

Contact for Sponsoring

