

DEADLINES / CALL FOR PAPERS

DEADLINES

Deadline for abstracts:
29.02.2024

Acceptance Decision:
31.05.2024

Final paper deadline:
31.08.2024

CALL FOR PAPERS

Submission of abstracts:

The acceptance of contributions to the conference is based on extended abstracts. The abstracts should be up to two A4 pages long. They should clearly state the objectives, results and main conclusions. All abstracts will be reviewed, and if accepted, the author's should submit the full paper for publication. Only those who make the presentation at the conference may have their papers published.

Final paper:

The final paper has to be written in English language.

CONFERENCE LANGUAGES

The conference languages are English and German. Simultaneous translation will be provided.

ORGANISATION

Host:

TU Wien | IET - Institute of
Energy Systems and Thermodynamics

Conference Chairs:

Prof. Dr. Christian BAUER
Dr. Eduard DOUJAK

STEERING COMMITTEE

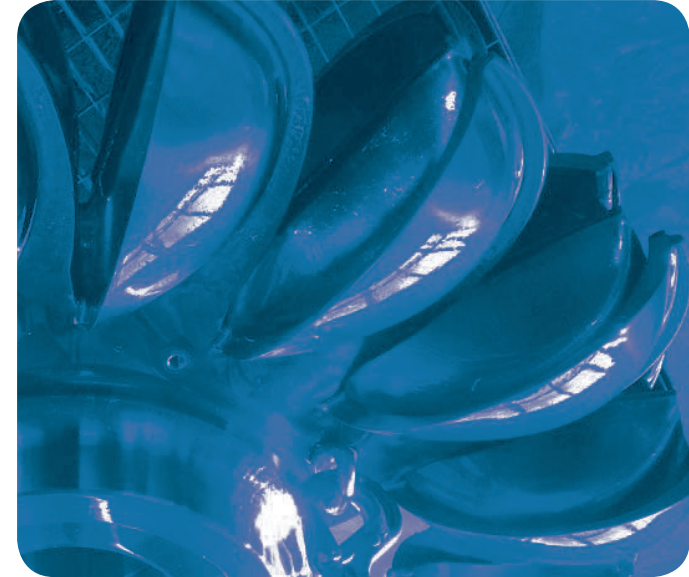
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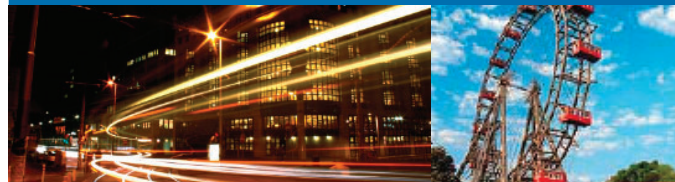
TECHNISCHE
UNIVERSITÄT
WIEN

22nd International Conference on Hydropower Plants

13-15 November 2024 | Vienna, Austria



Call for Papers
<https://www.viennahydro.com>



OBJECTIVES

Hydropower is and was an important supplier of electricity from clean and renewable resources. Due to long standing experience, hydropower is a highly developed and reliable technology.

The significance of hydropower will increase in the future enabling the transition to a climate-friendly electricity production. The energy supply harvested from wind and solar resources does not balance the demand in electrical grids. Hydropower has the unique ability and potential to supply, store, and regulate energy levels in electrical power grids. Grid operators are increasingly utilising the flexibility of storage power plants to stabilise the electrical grid. To meet the demands and new challenges, the existing hydropower technology must be developed further for the future generations.

Which research and innovations are required for the future of hydropower?

It is precisely this exciting question that we want to pursue in the upcoming event with a variety of focus topics. Established industry experts will have their say as well as young colleagues shaping the future of hydropower. Only the comprehensive exchange of ideas guarantees the best answers to this great challenge.



TOPICS

- **INNOVATION, TRENDS and FUTURE TECHNOLOGIES**
- **FLEXIBILISATION and SMART GRIDS**
- **REQUIREMENTS FROM ELECTRICAL GRID TO POWER GENERATION AND STORAGE**
- **PUMPS AND PUMP TURBINES**
- **DIGITALISATION ON MACHINE- and SYSTEMLEVEL - TECHNOLOGICAL ASPECTS**
- **PLANNING and OPERATION of VARSPEED PUMPED STORAGE PLANTS**
- **OPERATION, MAINTENANCE, REHABILITATION and MODERNISATION**
- **DESIGN RULES, STANDARDISATION and LEGAL ASPECTS**
- **PHYSICAL MODELLING and NUMERICAL SIMULATIONS**
- **EXPERIMENTAL INVESTIGATIONS on MODELS AND PROTOTYPES**
- **CAVITATION UNDER EXTREME LOAD CONDITIONS**
- **HYDRAULIC SYSTEMS and TRANSIENT BEHAVIOUR**
- **MARKET CHANGE, BUSINESS MODELS and ECONOMICS OF HYDRO POWER**
- **SUSTAINABILITY and ENVIRONMENTAL IMPACT**
- **SMALL HYDRO**



VENUE AND PROGRAM

CONFERENCE VENUE

The conference venue will be near the city of Vienna at the Conference Center of Laxenburg (Schlossplatz 1, A-2361 Laxenburg).

EXHIBITION

Exhibit your product at the best place

MORE INFORMATION

Further information on the conference (news, actual program, evening receptions, conference fees, online-registration, exhibition, hotel reservation) will be provided on the conference website.

CONTACT

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RU Fluid-Flow Machinery

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