

## DEADLINES / CALL FOR PAPERS

### DEADLINES

Deadline for the abstract:  
04.04.2016

Decision of the Reviewing Committee on the acceptance of the paper:  
02.05.2016

Deadline for the final paper:  
30.06.2016

### 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. Please include the title of the paper, author's names, affiliation, addresses, telephone and e-mail for correspondence. 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 in the proceedings.

#### Final paper:

The final paper has to be written in English language.

### CONFERENCE LANGUAGES

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

## ORGANISATION

#### Host:

TU Wien  
IET - Institute for Energy Systems and Thermodynamics

Conference and Program Chair  
Univ.Prof. Dipl.-Ing. Dr.-Ing.  
Christian BAUER

IET - Institut for Energy Systems and Thermodynamics

Dipl.-Ing.Dr. Stefan BURTSCHER  
Institute for Testing and Research (LTD)

### STEERING AND TECHNICAL PAPER COMMITTEE

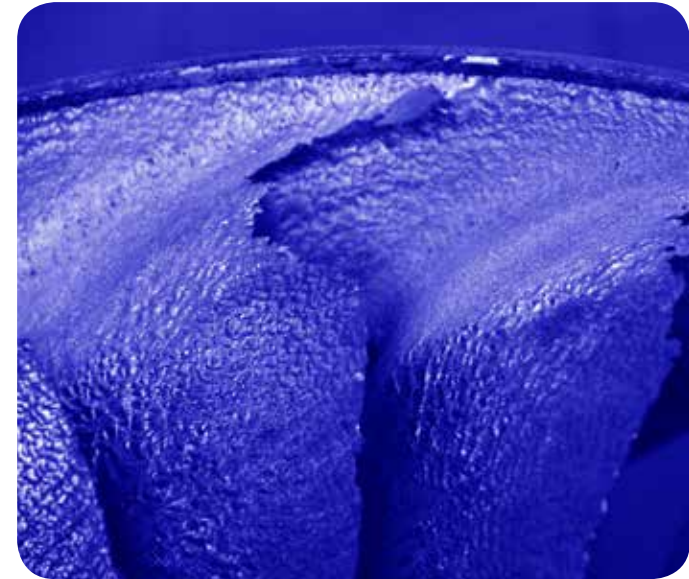
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TECHNISCHE  
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## 19<sup>th</sup> International Conference on Hydropower Plants „Flexible Operation of Hydropower Plants in the Energy System“

09-11 November 2016 | Vienna, Austria



First Announcement and  
Call for Papers

<http://www.viennahydro.com>



## OBJECTIVES

The role of hydropower in the present energy system is subjected to constant change. Required ancillary services to stabilize the electric grid affect an ever more flexible operation of existing Hydropower plants. However, new systems have to be subjected to enhanced design guidelines too. So it is no longer enough to guarantee the best performance only at the optimum point, also the off-design operation is becoming increasingly important. Especially at low part load condition higher loads arise for the machines, which affect the lifetime of the component.

Background of this change is the appearance of new players in the energy mix within Europe. Increasing installation of renewable energy sources and the shut-down of nuclear power plants in Germany caused the need of more flexible operation of the existing power plants. Primary and secondary control gets more and more important. A prequalification of the power plant and its machines is needed to enable support of the electric grid with these ancillary services.

Today's circumstances put on one side additional pressure on hydropower plants but on the other side they offer new chances and possibilities for this energy source. Research and development in the direction of more flexible operation and influence on hydraulic machines are necessary to be competitive in the future market. The objective of the coming conference is to present, discuss and exchange experience related to these new efforts and challenges in hydropower development.

## TOPICS

- FLEXIBLE HYDROPOWER PLANTS
- HYDRAULIC SYSTEMS AND TRANSIENT BEHAVIOUR
- INTELLIGENT CONTROL SYSTEMS
- PUMPED STORAGE
- MAINTENANCE & MODERNIZATION
- NUMERICAL CALCULATIONS
- DESIGN RULES & GUIDELINES
- SMALL HYDRO
- LEGAL ASPECTS
- SUSTAINABILITY ASPECTS

For more details referring to the topics please visit our webpage: <http://www.viennahydro.com>

## 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).

The scientific program will consist of invited keynote lectures, plenary lectures and poster sessions. Special arrangements for accompanying persons are possible.

### EXHIBITION

An accompanying exhibition will be integrated part of the conference and is located close to the conference hall.

### MORE INFORMATION

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

Please let us know your interest in this conference and return the reply form. We will keep you informed by email. If you cannot attend the conference please pass this leaflet along to a colleague.

### CONTACT

For any question please contact:

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