



**XXV International Symposium  
Research — Education — Technology  
30<sup>th</sup> June 2022**

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**6. International Conference LTHU  
with a special session:  
Hydrogen Technology in Energy Supply Systems  
1<sup>st</sup> July 2022**

**First Announcement  
Invitation and Call for Papers**

**Conference-Venue:  
Haus der Wissenschaft  
Sandstraße 4/5, 28195 Bremen**

**Topics**

**Thursday 30<sup>th</sup> June 2022**

- Research, Teaching and Didactics  
Organization in Mechanical Engineering
- Production Engineering
- Computer Based Mechanical  
Engineering
- Aerospace Technology
- Fluid Flow, Energy and Environmental  
Engineering
- Applied Mechanics, Material Sciences  
and Testing Methods

**Friday 1<sup>st</sup> July 2022**

- Water Electrolysis — Fundamentals  
and Technical Solutions
- Production, Logistics, and Storage
- Industrial and Communal Use and  
Storage Projects
- Transportation:  
Aviation, Road, and Shipping
- Fuel Cells
- Low Temperature Heat Recovery
- Waste Heat Recovery and Heat  
Integration in Hydrogen Installations

**Deadlines (extended)**

- 31<sup>th</sup> March 2022** - registration and submission of title and short abstract (formless)
- 16<sup>th</sup> May 2022** - notification about the abstracts
- 25<sup>th</sup> May 2022** - complete author-prepared electronic paper version  
in word and pdf format for publishing in the conference  
proceedings - minimum 2 pages according to the template
- Authors of selected papers will be encouraged  
to **submit** their papers for **publication** in „Archives  
of Thermodynamics”, „Acta Mechanica et Automatica”, or  
„Archive of Mechanical Engineering”
- 10<sup>th</sup> June 2022** - final registration and bank transfer of the conference fee

## Preliminary registration and submission of papers

Preliminary registration will be accepted based on the completed registration form, which should be submitted with an accompanying abstract via Internet to the Organizing Secretary at

**[conference-ret-lthu@hs-bremen.de](mailto:conference-ret-lthu@hs-bremen.de)**

Title and short abstract (formless) should contain sufficient information about the subject to be presented at the Symposium/Conference.

See more information for submission, registration form and template for the electronic final paper version at

**[www.hs-bremen.de/conference-ret-lthu](http://www.hs-bremen.de/conference-ret-lthu)**

## Accommodation

Participants of the conference will be accommodated in hotels in Bremen at a price of approximately 60 – 120 € per person and day.

## Fee

An amount of **150 €** per participant will cover organization costs, proceedings and participation in the social event.

## Social Events

During the Symposium, an industrial visit of OHB System AG (space technology), a social event and a sightseeing tour will be organized.

## Presentation form

The presentations will be provided as oral presentations and in poster form.

## Language

The language of the conference will be English and German. All abstracts and papers should be written in English.

## Background and Objectives

The 25<sup>th</sup> International Symposium “Research – Education – Technology” is hosted by the University of Applied Sciences Bremen, Faculty of Science & Technology on the 30<sup>th</sup> June 2022.

Herewith we invite our academic friends and industrial partners to take part in this unique event. We are looking forward to presenting excellent projects or research work performed in the frame of current research and development activities.

The principle objectives of the conference are as follows:

- Presentation of the latest achievements in mechanical engineering as to enable joint applications for European grants
- Industrial implementation of research results
- Establishing of new personal contacts and strengthening of existing relations between scientists

The 6<sup>th</sup> International Conference Energy Conference “LTHU” will be a special session on the 1<sup>st</sup> July 2022. This conference was initiated by Prof. Dr.-Ing. Sławomir Smoleń (J.R. Mayer Institute for Energy Engineering) and launched 2007 in co-operation with many academic and industrial partners. The conference is a forum for presentation of new results and developments in the area of energy engineering. This year the special session deals with the topical development and different aspects of hydrogen technology.

## Scientific Committee:

Prof. Dr.-Ing. Sławomir Smoleń, Hochschule Bremen – Chairman  
Prof. Dr.-Ing. habil. Albert Baars, Hochschule Bremen – Co-Chairman  
Prof. Dr. Lars Jürgensen, Hochschule Bremen – Co-Chairman  
Prof. Dr.-Ing. Matthias Ahlhaus, Hochschule Stralsund  
Prof. Dr.-Ing. habil. Janusz T. Cieśliński, Gdansk University of Technology  
Prof. Dr.-Ing. habil. Jacek Kropiwnicki, Gdansk University of Technology  
Prof. Dr.-Ing. habil. Krzysztof Lipiński  
Prof. Dr.-Ing. habil. Dariusz Mikielewicz, Gdansk University of Technology  
Prof. Dr.-Ing. Heiko Meironke, Hochschule Stralsund  
Prof. Dr.-Ing. Janusz A. Szymczyk, The Jacob of Paradies University Gorzów

## Organizing Committee:

Sławomir Smoleń  
Albrecht Eicke  
Andreas Krüger

## Honorary Committee:

Prof. Karl Potthast  
Prof. Siegfried Pahl  
Prof. Andrzej Balawender  
Dr. Wojciech Kietczyński  
Dr. Józef Niegoda

## Contact Information

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