

Time Schedule

- 15.03.2020 - *Deadline to submit the Pre-Registration Form with the Paper.*
- 15.03.2020 - *The Notification of Acceptance and the Second Announcement.*
- 27.04.2020 - *Deadline to submit the Papers.*
- 30.06.2020 - *The Notification of Acceptance and the Program.*
- 15.08.2020 - *Deadline for registration.*

For more information and to submit the Pre-Registration Form for participation in the Conference please visit:
Web: hervicon.sumdu.edu.ua

Informational Support

*Journal of Pumps and Equipment,
Journal of Compressor and Power Engineering
Journal of Engineering Sciences*

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September 8-11, 2020, SumSU, Sumy, Ukraine

Sumy State University
Hydraulic Machines and Systems Group
JSC Nasosenergomash Sumy
TRIZ Ltd.

Kielce University of Technology
Institute Pprime of University of Poitiers
Wroclaw University of Technology
Silesian University of Technology
Sumy National Agrarian University

The Conference is dedicated to the memory of its founder and permanent Chairman of the Organizing Committee, the well-known scientist and teacher, Dr., Prof., Dr.h.c. Volodymyr Martsynkovskyy

First Announcement and Call for Papers

XVI International Scientific and Engineering Conference	+ IV International Forum
Hermetic Sealing, Vibration Reliability and Ecological Safety of Pump and Compressor Machinery	Computer Modeling, Designing, Manufacture and Operation of Pump Equipment

Dear Colleagues!

Regular XVI International Scientific and Engineering Conference **Hermetic Sealing, Vibration Reliability and Ecological Safety of Pump and Compressor Machinery – HERVICON+PUMPS-2020** will be held in the Congress Center of Sumy State University (Sumy, Ukraine) in September 2020. The Conference is dedicated to the memory of its founder and permanent Chairman of the Organizing Committee, the well-known scientist and teacher, Dr., Prof., Dr.h.c. Volodymyr Martynovskyy. Together with the Conference, there will be held IV International Forum **Computer Modeling, Design, Manufacture and Operation of Pump Equipment - PUMPS-2020** organized on the initiative and with the financial support of Hydraulic Machines and Systems Group and the leading Ukrainian manufacturer of pump equipment JSC Sumy Plant Nasosenergomash, as well as pumpbuilding companies of Sumy City.

Specialized XX Seminar **Problems of Safe Operation of Compressor and Pump Equipment in Chemical Industry - ECCON-20** will traditionally take place within the framework of the Conference. The firm TRIZ together with a number of leading companies in chemical industry is the initiator of such seminars in the Sumy City.

We hope the same way as previous conferences **HERVICON+PUMPS-2020** would cause personal interest of the wide circle of the specialists in such forums and would successfully continue the current traditions. We kindly invite everybody to take an active part in its work.

We also kindly appeal to enterprises, firms and organizations with a suggestion to come forward as sponsors. Their representatives would take an opportunity to participate in the work of the Conference under special conditions.

Organizing Committee

Topics

- Problems of reducing life-cycle cost of pump and compressor equipment.
- Static seals, axially movable and rotating shaft seals, improvement of reliability and efficiency of sealing units of pumps and compressors.
- Problems of fluid dynamics, optimization, dynamics and strength of turbomachines and their units.
- Reducing noise and vibration, vibration diagnostics and predicting of remaining life, balancing, identification of parameters, pump and compressor rotordynamics.
- Problems of tribology and metrology for seals and bearings, new materials and technologies.
- Ecologically safe operation of pump and compressor machinery, resource and energy-saving technologies.
- Computational engineering and computational mechanics.

Official Languages

The Official Languages of the Conference are English and Ukrainian.

Publication of papers

The selected and peer-reviewed conference papers will be published in English in an electronic **Journal of Physics: Conference Series (JPCS)** and as a separate monograph in a book series **Lecture Notes in Mechanical Engineering (LNME)** (10-15 papers on bearing, seals and rotordynamics studies) included in **Scopus** and **Web of Science** databases, and belong to the periodicals of the third and fourth quartiles (**Q3, Q4**) respectively.

When publishing a paper, participation in the Conference with a presentation is mandatory. Participation in the Conference without publication and presentation is possible. Requirements for papers can be found on the websites of relevant periodicals:

<https://publishingsupport.iopscience.iop.org/author-guidelines-for-conference-proceedings/> and <https://www.springer.com/us/authors-editors/conference-proceedings/conference-proceedings-guidelines>

Participation Fee

The admission fee for the participants of Conference representing firms and the industrial enterprises makes the sum being equivalent to **150€**; for the participants representing research institutes and universities – **120€**. The admission fee includes the following expenses:

- organizational expenses on holding the Conference;
- edition of the Conference Proceedings;
- paper publication expenses in electronic periodicals;
- information materials and Conference accessories;
- coffee breaks in while the sessions;
- organization of the business meetings and the cultural program.

Conditions of the admission fee payments and bank requisites of the Organizing Committee will be given in **the Second Announcement** after receiving Pre-Registration Form for participation in the Conference work.

Accommodation

The accommodation of Conference participants is planned in single and double rooms of Olympic Hotel of the Sumy State University, and at the request of participants - in hotels of the Sumy City.

Exhibition

The exhibitors will be provided with exhibition areas in the Sumy State University Congress Center and necessary equipment as well. The presentation can be organized for the firms being interested in.

Advertising

All the companies will have an opportunity for advertising their information in the Conference materials and on the Conference banners.