

HERVEX 2018

International Conference on Hydraulics, Pneumatics, Sealing Elements, Fine Mechanics, Tools, Specific Electronic Equipment & Mechatronics

NOVEMBER 7 - 9, 2018, Bala Govora, ROMANIA

HERVEX 24th edition

00 days 00 hrs 00 min

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Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting to potential users the results obtained by the HERVEX team after the completion of projects under NRDPA, Innovation Programme and Euro financing European funds.
- Spreading knowledge about the achievements and the stage of development in the field of this event.
- Integration of the Romanian scientific community in the activities of international events for innovation, as well as increasing the visibility of the contribution to the international context to Europe and for an international recognition of Romanian research.
- Encouraging Romanian participation in EU programmes and integration of the Romanian Research Area into the European Research Area.
- Promoting hydraulic and mechatronic projects in the context of innovation research and increasing the importance of the innovation programme regarding the importance of implementing the results of scientific research and technological development.

International Conference on Hydraulics and Pneumatics HERVEX – 24th edition

November 7-9, 2018
Bala Govora, Valcea County, Romania

International Conference on Hydraulics and Pneumatics – HERVEX – the most significant international scientific occasion in the Field of Fluid Power in Romania

The International Conference offers a common platform for presentation and discussion of innovation trends in FLUID POWER, to manufacturers, dealers, users and scientists.

Scientific lectures and roundtables presented in the framework of the event, regarding equipment and integrated systems, will represent a basis for a new impulse towards development and innovation in Fluid Power, activity field which provides high productivity means for better energy efficiency of industrial and mobile equipment.

Objectives of this Scientific Event

- Establishing and developing research in pneumatic and hydraulics within SMEs;
- Promoting hydraulics, mechatronics, tribology, green energy and technology transfer as leading areas, while addressing various research projects in the light of these concepts;
- Identifying projects in the field of the conference together with E.U. companies;

Presenting the activities of Research Institutes and Research Centers within Technical University in front of various production units in Romania in order to identify topics that can be addressed jointly;

Making contacts between Romanian professionals in hydraulics and pneumatics and experts from foreign companies and universities, in order to develop joint international projects;

Getting knowledge about the technical innovations of international companies in the field.

HERVEX has become a forum for manufacturers, users and scientists to present and discuss future developments, applications and product innovations and also to share expertise and experience.

Value Chamber of Commerce and Industry and Hydraulics & Pneumatics Research Institute in Bucharest have been organizing this event since 1993.

HERVEX has established a reputation for being the industry meeting place where engineers invest in their future. This meeting event incorporates a series of in-depth fluid power generalizations with a trade fair environment. Exhibitors showcase their products and services to engineering decision-makers, as well as present a panel-session to those who are looking for solutions to today's engineering challenges. The event gives a broad overview of the state of the art in fluid power both in terms of technology and practical applications.

Attendees are engineers, designers, managers involved in the design, installation, maintenance or repair of machinery & equipment powered by fluid power systems, both hydraulic & pneumatic, from a wide range of markets such as construction, agriculture, manufacturing, mining, forestry, other types of heavy equipment, food processing and packaging industries, as well as maintenance, repair and plant operators.

Also, the researchers and scientists from the Romanian and abroad universities bring an important contribution in developing of the symposium through papers presented as well as by participating in the section of education and training in FLUID-POWER.

International Conference on Hydraulics and Pneumatics – HERVEX 2018 – is carried on the following structure:

- scientific conferences
- thematic workshops
- panels

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- thematic workshops

Free attendance: 1000

DOWNLOAD HERVEX 2018 PRELIMINARY PROGRAMME

WEDNESDAY, NOVEMBER 7

9th – 11th REGISTRATION OF PARTICIPANTS

11th – 12th OFFICIAL OPENING
PREG CONFERENCE
PRESENTATION OF ORGANISERS
PRESENTATION OF PARTICIPANTS

12th – 14th PANEL 1
ELEMENTS OF STRATEGY AND INNOVATIVE POLICIES IN THE FIELD, IN THE FRAMEWORK OF THE EUROPEAN PROGRAMME HORIZON 2020
ELEMENTS OF THE ROMANIAN HISTORY OF HYDRAULICS AND PNEUMATICS
MODERN TRENDS IN FLUID POWER DEVELOPMENT

14th – 15th LUNCH

15th – 17th CONFERENCE 1
FLUID POWER COMPONENTS AND SYSTEMS IN INDUSTRIAL HYDRAULICS

17th – 18th WORKSHOP 1
INVENTORS' CAPITALIZATION THROUGH TECHNOLOGY TRANSFER
INVENTORS' CLUB
GOOD PRACTICES AND HUBS OF TECHNOLOGY TRANSFER

18th – 20th DINNER

THURSDAY, NOVEMBER 8

8th – 11th CONFERENCE 2
FLUID POWER COMPONENTS AND SYSTEMS IN MOBILE HYDRAULICS

11th – 11th COFFEE BREAK

11th – 14th PANEL 2
DIGITAL HYDRAULICS. DIGITALIZATION OF HYDRAULIC SYSTEMS

14th – 15th LUNCH

15th – 16th INBEE CONFERENCE 3
FUNDAMENTALS, ADVANCED MATERIALS, PNEUMATICS, TRIBOLOGY AND FLUIDS

16th – 16th INBEE WORKSHOP 2
NOVELTIES AND TRENDS IN THE DEVELOPMENT OF COMPANIES (Presentations of companies in the Field Power sector)

16th – 17th VISIT TO THE LABORATORIES OF POWER ENGINEERING TECHNICAL HIGH SCHOOL, in Baneasa Village

17th – 18th WORKSHOP 3
EDUCATION AND TRAINING IN FLUID POWER
METHODS TO PROMOTE APPLICATIONS IN THE FIELD OF TRAINING courses
CONTEST for young specialists
Presentation of interesting ideas in the field

18th – 21st GALA DINNER

FRIDAY, NOVEMBER 9

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Call for Papers

The objective of this conference is to provide an opportunity to exchange high quality recent information and trends in the future development in the field of Fluid Power among participants from design and research in the field of hydraulics and pneumatics. The conference aims to bring engineers from industry together with researchers and scientists from fluid power industry, in order to present issues from research and interesting industrial applications of the fluid power systems.

We cordially invite all suitable visitors who are active in the field of Fluid Power and are interested in contributing with a paper to this conference, and to forward an abstract and there is a full length paper to the e-mail address: herve@hidraulic.ro; haidan@hidraulic.ro.

It is preferable to indicate the topic you consider that the proposed paper falls into.

The main topics of the conference are:

2. Fluid Power Systems in Industrial and Mobile Hydraulics <ul style="list-style-type: none">Hydraulic systems for manufacturing hydraulic systems.Variable speed drives.Energy saving, energy recovery and storage.Hybrid drive solutions.Reduction of emissions, noise and vibration.Applications of bioenergy and control systems.Energy conversion and computer aided manufacturing.	3. Hydraulics Components <ul style="list-style-type: none">Valves.High Speed Heavy Drives.High Pressure Hydraulics.Actuators.Filter Technology.Hydraulic Machines in Hybrid to Equipment.Development of hydraulic power groups, valves.
3. Pneumatics <ul style="list-style-type: none">Pneumatic Drives.Flow Drive Concepts.Efficient System Design.Vacuum Technology.Hydraulic-Pneumatic.Low Pressure Pneumatics.Pneumatic systems and their applications.Pneumatic components and their evolution.	4. Electronics, Mechatronics and new ideas in Fluid Power <ul style="list-style-type: none">Electronics in Fluid Power systems.Mechatronics.Application of artificial and fuzzy to fluid power systems.Sensors, actuators and microelectronics.Digital Hydraulics.Series hydraulic and gas power units.Simulation and Validation.Digitalization of Hydraulic Systems.Modeling & Simulation of Equipment and Systems.
5. Fundamentals, Advanced Materials and Tribology <ul style="list-style-type: none">Development of materials.Frictionless seal design.Minimization of high pressure areas.Fluid Power applications of nanotechnology.High performance manufacturing and waste recycling.Micro Energy Conversion.Micro Energy Flows.Energy Storage.	6. Environment and Fluid Power Technology <ul style="list-style-type: none">Development of materials.Frictionless seal design.Minimization of high pressure areas.Fluid Power applications of nanotechnology.High performance manufacturing and waste recycling.Micro Energy Conversion.Micro Energy Flows.Energy Storage.

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*The conference topics are suggested for the papers.

Important Due Dates

- October 2, 2018
DEADLINE FOR ABSTRACTS: October 20, 2018
- October 10, 2018
DEADLINE FOR FULL LENGTH PAPER SUBMISSION
- October 20, 2018
Start of paper review process
- October 30, 2018
Deadline of paper acceptance/revision
- October 28, 2018
Deadline of paper acceptance/revision

Other Information

- Conference language: Abstracts, full length papers and oral / poster presentations should all be English.
- NEW! Virtual Presentation: Digitalized authors who can not attend the conference because of dates, in also presenting at other issues are welcome to submit pre recorded Videos (Language: English; Duration: 10-15 min)
- Oral presentation duration should be 15 minutes at the most, followed by discussions.
- Oral presentation duration (recommended) – abstract Oral presentation template

Peer Review Process – status of submission –

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International Conference on Hydraulics, Pneumatics, Sealing Elements, Fine Mechanics, Tools, Specific Electronic Equipment & Mechatronics

November 7 - 9, 2018, Baile Govora, ROMANIA

HERVEX 2018

00 00 00

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Costs/Payments

Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting in printed form the results obtained in the field of research in the field of Hydraulics, Pneumatics, Sealing Elements, Fine Mechanics, Tools, Specific Electronic Equipment and Mechatronics.
- Bringing knowledge about the achievements and the state of development in the field of Hydraulics, Pneumatics, Sealing Elements, Fine Mechanics, Tools, Specific Electronic Equipment and Mechatronics to the scientific community, as well as increasing the visibility of contributions in the field of Hydraulics, Pneumatics, Sealing Elements, Fine Mechanics, Tools, Specific Electronic Equipment and Mechatronics.
- Increasing Romania's participation in EU programs and integration of the Romanian Research Team in the European Research Area.
- Fostering international networking systems of the scientific institutions regarding the importance of implementing the results of scientific research and technological development.

Taxa de participare - 60 € (persoana) / Registration fee - € 60 (participant)

Taxa de publicare - 42 € (singla camera) / Publication fee - € 42 (single room)

Taxa la Hotel Palace** / Costs of Palace Hotel****:**

Taxa pentru cazare // Accommodation costs
-> **Camera single - 42 €/zi // Single room - € 42/day**
-> **Camera dubla - 53 €/zi // Double room - € 53/day**

Taxa pentru restaurant // Costs with meals

-> **Pranz - 19 €/persoana // Lunch - € 19/person.**
-> **Cina - 19 €/persoana // Dinner - € 19/person.**
-> **Cina hotel - 25 €/persoana // Dinner hotel - € 25/person.**

Note // Note

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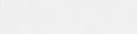
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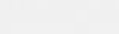
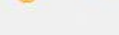
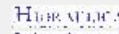
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Venue

HERVEX 2018
Main place at Hotel Palace****
in Baile Govora, Valcea County, Romania

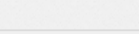
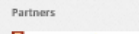
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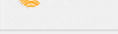
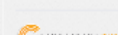
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Registration

Here you can register by **downloading and filling in the participation contract.**

Please fill in the participation form and send it by e-mail To: conf@cvd.ro and Cc: herve@tudb.ro (a by the numbers: +40 250733449 and +40 212373045) **until October 28, 2018.**

Registration Form
File(s) must start with an "F" file extension

Name and surname*

Address*

City*

Country*

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- Gaining knowledge about the achievements and the state of development in the field of research.
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- Increasing European participation in EU programs and integration of the Executive Research Area in the European Research Area.
- Encouraging innovation and increasing awareness of the economic development regarding the importance of implementing the results of scientific research and technological development.

Venue


HERVEX 2018
Hotel place of Hotel Palace****
Baile Goveni, Tulcea County, Romania

Address:
Palace Hotel - J. Paraului 21,
242200, Baile Goveni, Romania
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www.thb.ro

Chamber of Commerce and Industry Tulcea, Romania - CCIVL

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Phone: 0259/733449, 734200, 0350/403685; Fax: 0259/733830;
E-mail: conf@cvd.ro;
www.cciivl.ro

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Mr. Georgehe Ristea
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