

HERVEX 2019

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

November 13 - 15, 2019, Baile Govora, ROMANIA

HERVEX 2019

00 00 00

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

November 13 - 15, 2019, Baile Govora, ROMANIA

HERVEX 2019

00 00 00

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

November 13 - 15, 2019, Baile Govora, ROMANIA

HERVEX 2019

00 00 00

Index Conference details Call for Papers Costs/Payments Organizers Committees

Registration Previous editions Links Contact

Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting in printed form the results obtained by the R&D units after the completion of projects under NERU, Innovation Programme and from existing European funds.
- Spreading knowledge about the achievements and the state of development in the field of research.
- Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of its contribution to the international scientific heritage and for an international recognition of Romanian research.
- Encouraging Romanian participation in EU programme and integration of the Romanian Research Area in the European Research Area.
- Fostering innovation and increasing awareness of the economic importance regarding the importance of implementing the results of scientific research and technological development.

International Conference on Hydraulics and Pneumatics HERVEX – 25th edition

November 13-15, 2019
Baile Govora, Valcea County, Romania

International Conference on Hydraulics and Pneumatics – HERVEX – the most significant international scientific reunion 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 novelties presented in the framework of this 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 pneumatics and hydraulics within SMEs;
- Promoting hydrostatics, 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 concerns of Research Institutes and Research Centers within Technical Universities 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.

Venue

HERVEX 2019
Hotel Palace D.
in Baile Govora, Valcea County, Romania

Address: Palatul Hotel – J. Paveloni St., 242020, Baile Govora, Romania
Coordinates: Lat: 47°04'47"N, Lon: 24°19'47"E

Hotel Palace D.
View larger map

International Conference on Hydraulics and Pneumatics – HERVEX

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

Valcea 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. The learning event incorporates a series of in-depth fluid power presentations 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, harbor, 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 workshop 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 2019 – is carried on the following structure:

- scientific conferences
- thematic workshops
- panels

Index Conference details Call for Papers Costs/Payments Organizers Committees

Registration Previous editions Links Contact

Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting in printed form the results obtained by the R&D units after the completion of projects under NERU, Innovation Programme and from existing European funds.
- Spreading knowledge about the achievements and the state of development in the field of research.
- Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of its contribution to the international scientific heritage and for an international recognition of Romanian research.
- Encouraging Romanian participation in EU programme and integration of the Romanian Research Area in the European Research Area.
- Fostering innovation and increasing awareness of the economic importance regarding the importance of implementing the results of scientific research and technological development.

International Conference on Hydraulics and Pneumatics HERVEX 2019 is carried on the following structure:

- scientific conferences
- panels
- thematic workshops

First announcement

DOWNLOAD HERVEX 2019 PRELIMINARY PROGRAMME (pdf)

DOWNLOAD HERVEX 2019 CONFERENCE PROGRAMME (DOC)

DOWNLOAD HERVEX 2019 CONFERENCE FULL PROGRAMME (pdf)

HERVEX 2019 PRELIMINARY PROGRAMME

WEDNESDAY, NOVEMBER 13

9th – 10th REGISTRATION OF PARTICIPANTS

11th – 12th OFFICIAL OPENING
- PRESS CONFERENCE
- REGISTRATION OF BUSINESS
- PRESENTATION OF PARTICIPANTS

13th – 14th PANEL 1
NOVELTIES AND TRENDS IN FLUID POWER DEVELOPMENT
- CIRCULE ECONOMY
- INDUSTRY 4.0

14th – 15th LUNCH

15th – 16th CONFERENCE 1
FLUID POWER COMPONENTS AND SYSTEMS IN INDUSTRIAL HYDRAULICS

16th – 17th WORKSHOP (Thematic Event on Technological and manufacturing structure of mechanical hydraulic equipment and automation by request)
6000TH Project (PC-A) 41.3.3-50(02)

17th – 18th WORKSHOP 2
INTEGRATED OPTIMIZATION THROUGH TECHNOLOGY TRANSFER
1 INVENTORIES CLUB
1 GOOD PRACTICES AND HUBS OF TECHNOLOGY TRANSFER

18th – 19th DINNER

THURSDAY, NOVEMBER 14

9th – 11th CONFERENCE 2
FLUID POWER COMPONENTS AND SYSTEMS IN MOBILE HYDRAULICS

11th – 14th COFFEE BREAK

14th – 15th PANEL 2
DIGITAL HYDRAULICS. DIGITALIZATION OF HYDRAULIC SYSTEMS

14th – 15th LUNCH

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

15th – 16th PANEL 3
ADDITIVE MANUFACTURING PROCESSES

16th – 17th WORKSHOP 2
NOVELTIES AND TRENDS IN THE DEVELOPMENT OF COMPANIES
(Presentations of companies in Fluid Power sector)

17th – 19th WORKSHOP 3
EDUCATION AND TRAINING IN FLUID POWER
1 Methods to present applicable in the field of TRAINING courses
1 CONTEXT for young specialists
1 Presentation of interesting ideas in the field

17th – 19th PANEL (Thematic Event on Testing of repaired hydraulic equipment)
6000TH Project (PC-A) 41.3.3-50(02)

19th – 20th GALA DINNER

FRIDAY, NOVEMBER 15

9th – 10th CONFERENCE 4
ENVIRONMENT AND RENEWABLE ENERGY APPLICATIONS

11th – 12th PANEL 4
EUROPEAN FLUIDS – OPPORTUNITIES FOR INNOVATION AND TECHNOLOGY TRANSFER

12th – 13th WORKSHOP (Meeting on the table)

Index Conference details Call for Papers Costs/Payments Organizers Committees

Registration Previous editions Links Contact

Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting in printed form the results obtained by the R&D units after the completion of projects under NERU, Innovation Programme and from existing European funds.
- Spreading knowledge about the achievements and the state of development in the field of research.
- Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of its contribution to the international scientific heritage and for an international recognition of Romanian research.
- Encouraging Romanian participation in EU programme and integration of the Romanian Research Area in the European Research Area.
- Fostering innovation and increasing awareness of the economic importance regarding the importance of implementing the results of scientific research and technological development.

Call for Papers

The objective of the conference is to provide an opportunity to exchange high quality recent information and trends on 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 students from fluid power activity, in order to present news from research and interesting industrial applications of the fluid power systems.

We cordially invite all mobile visitors who activate in the field of Fluid Power and we encourage in contributing with a paper to the conference, first to forward an abstract and then a full-length paper to the e-mail addresses: hervev@hervev.ro, trudev@hervev.ro.

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

The main topics* of the conference are:

3. Fluid Power Systems in Industrial and Mobile Hydraulics <ul style="list-style-type: none"> Valves High Speed Rotary Drives High Pressure Hydraulics Actuators Filter Technology Non-Newtonian Fluids in Hydraulic Equipment Development of hydraulic parts: pumps, valves 	5. Hydraulic Components and New Ideas in Fluid Power <ul style="list-style-type: none"> High Pressure Hydraulics High Pressure Hydraulics Hydraulic System Design Vacuum Technology Miscellaneous Pneumatics Low-Expansion Pneumatics Pneumatic systems and their applications Pneumatic components and their innovation
4. Additive Manufacturing (AM) <ul style="list-style-type: none"> 3D A (Manufacturing) 3D F (Fused Deposition Modeling) 3D E (Electron Beam Melting) 3D D (Direct Printing) 3D S (Selective Laser Melting) 	6. Emerging Trends in Fluid Power Development <ul style="list-style-type: none"> INDUSTRIAL ECONOMY INDUSTRIAL 4.0
7. Fundamentals, Advanced Materials and Tribology <ul style="list-style-type: none"> Fluids in Environmentally Friendly Fluids on Efficiency 100 Maintenance and Mobile Problems Physics in Hydraulics Lubrication and Lubricants Green Tribology Contact mechanics of rough surfaces (including adhesion) Friction between rigid rough surfaces and elastomers Method of reduction of discontinuity in contact mechanics and friction Wear and surface technology Non-Newtonian, Nanomaterials and Nanofluidics Non and Micro Tribology 	8. Environment and Fluid Power <ul style="list-style-type: none"> Depollution of waste water Friction and drainage Minimization of high pollution areas Fluid Power in production of renewable energy High pollution monitoring and waste recycling Waste Energy Conversion Wind Energy Plants Energy Storage

*The conference topics are suggestions for the papers.

Conference Proceedings is indexed by:

EBCSCO PUBLISHING
TIB
Google

Under Honorary Aegis of

Organizers

Media Partners

Partners

With Support of

Important Due Dates

September 16, 2019 – Closure for paper ABSTRACT submission

September 28, 2019 – Notification of abstract acceptance/rejection

November 4, 2019 – Final deadline for full-length PAPER submission

November 8, 2019 – Notification of paper acceptance/rejection

Other information

> Conference language: Abstracts, full-length papers and oral / poster presentations should all use English.

> NEW! Virtual Presentations

Under Honorary Aegis of

Organizers

Media Partners

Partners

With Support of

HERVEX 2019


International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics
HERVEX 2019

November 13 - 15, 2019, Baile Govora, ROMANIA

00 00 00


International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics
HERVEX 2019

November 13 - 15, 2019, Baile Govora, ROMANIA

00 00 00


International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics
HERVEX 2019

November 13 - 15, 2019, Baile Govora, ROMANIA

00 00 00

[Index](#) [Conference details](#) [Call for Papers](#) [Costs/Payments](#) [Organizers](#) [Committees](#)
[Registration](#) [Previous editions](#) [Links](#) [Contact](#)

Registration

Reasons for Organizing this Scientific Event

This event is a good opportunity for presenting in general areas the results obtained by the R&D units after the completion of projects under HERVEX Innovation Programme and their receiving European funds.

Acquiring knowledge about the activities and the range of development in the field of the event.

Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of the contribution to the international scientific heritage and for an international recognition of Romanian research.

Following Romanian participation in 101 programmes and integration of the Romanian Research Unit in the European Research Area.


Presenting scientific and technical activities of the research units regarding the progress of implementing the results of scientific research and technological development.

Venue



HERVEX 2019
takes place at Hotel Palace****
in Baile Govora, Valcea County, Romania

Address:
Palace Hotel - J. Traianului 2,
240200, Baile Govora, Romania

Coordinates:
Lat: 47°42'N
Lon: 24°52'E



Conference Proceedings is indexed by:

[Index](#) [Conference details](#) [Call for Papers](#) [Costs/Payments](#) [Organizers](#) [Committees](#)
[Registration](#) [Previous editions](#) [Links](#) [Contact](#)

Reasons for Organizing this Scientific Event

This event is a good opportunity for presenting in general areas the results obtained by the R&D units after the completion of projects under HERVEX Innovation Programme and their receiving European funds.

Acquiring knowledge about the activities and the range of development in the field of the event.

Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of the contribution to the international scientific heritage and for an international recognition of Romanian research.

Following Romanian participation in 101 programmes and integration of the Romanian Research Unit in the European Research Area.


Presenting scientific and technical activities of the research units regarding the progress of implementing the results of scientific research and technological development.

Venue



HERVEX 2019
takes place at Hotel Palace****
in Baile Govora, Valcea County, Romania

Address:
Palace Hotel - J. Traianului 2,
240200, Baile Govora, Romania

Coordinates:
Lat: 47°42'N
Lon: 24°52'E



Conference Proceedings is indexed by:

[- Conference Proceeding of HERVEX 2005](#)
[- Conference Proceeding of HERVEX 2006](#)
[- Conference Proceeding of HERVEX 2007](#)
[WEGTE HERVEX 2007](#)
[- Conference Proceeding of HERVEX 2008](#)
[WEGTE HERVEX 2008](#)
[- Conference Proceeding of HERVEX 2009](#)
[WEGTE HERVEX 2009](#)
[- Conference Proceeding of HERVEX 2010](#)
[- Conference Proceeding of HERVEX 2011](#)
[WEGTE HERVEX 2011](#)
[- Conference Proceeding of HERVEX 2012](#)
[WEGTE HERVEX 2012](#)
[- Conference Proceedings of HERVEX 2014](#)
[WEGTE HERVEX 2014 \(screenshots\)](#)
[- Conference Proceedings of HERVEX 2016 \(Table of Contents - Individual papers\)](#)
[- Conference Proceedings of HERVEX 2016 \(Full Proceedings\)](#)
[- WEGTE HERVEX 2016 \(screenshots\)](#)
[- Conference Proceedings of HERVEX 2017 \(Table of Contents - Individual papers\)](#)
[- Conference Proceedings of HERVEX 2017 \(Full Proceedings\)](#)
[WEGTE HERVEX 2017 \(screenshots\)](#)
[- Conference Proceedings of HERVEX 2018 \(Table of Contents - Individual papers\)](#)
[- Conference Proceedings of HERVEX 2018 \(Full Proceedings\)](#)
[WEGTE HERVEX 2018 \(screenshots\)](#)

[Index](#) [Conference details](#) [Call for Papers](#) [Costs/Payments](#) [Organizers](#) [Committees](#)
[Registration](#) [Previous editions](#) [Links](#) [Contact](#)

Contact

Reasons for Organizing this Scientific Event

This event is a good opportunity for presenting in general areas the results obtained by the R&D units after the completion of projects under HERVEX Innovation Programme and their receiving European funds.

Acquiring knowledge about the activities and the range of development in the field of the event.

Integration of the Romanian scientific community in the activities of international scientific community, as well as increasing the visibility of the contribution to the international scientific heritage and for an international recognition of Romanian research.

Following Romanian participation in 101 programmes and integration of the Romanian Research Unit in the European Research Area.


Presenting scientific and technical activities of the research units regarding the progress of implementing the results of scientific research and technological development.

Venue

HERVEX 2019
takes place at Hotel Palace****
in Baile Govora, Valcea County, Romania

Address:
Palace Hotel - J. Traianului 2,
240200, Baile Govora, Romania

Coordinates:
Lat: 47°42'N
Lon: 24°52'E



Conference Proceedings is indexed by:




Hydraulics and Pneumatics Research Institute, Bucharest, Romania
 Address: 14, Curbil de Argint Street, 040350, Bucharest, ROMANIA
 Phone: +4021/236.33.91; Fax: +4021/237.30.41;
 E-mail: info@hidra.ro; fluidas@hidra.ro; www.hpa.ro

Chamber of Commerce and Industry Valcea, Romania - CCIV
 Address: 2, Sigurii Road, 240111, Baile Govora, ROMANIA
 Phone: 0238/ 233448, 736203, 0238/ 403688; Fax: 0238/ 233826;
 E-mail: civ@cciv.ro; www.cciv.ro

CONTACT CONFERENCE OFFICE: hervex@fluidas.ro

Under Honorary Aegis of



With Support of



Organizers





Partners






Media Partners



Partener European





Under Honorary Aegis of




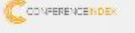

With Support of




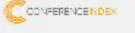

Organizers

Partners

Media Partners


Partener European



Under Honorary Aegis of



With Support of



Organizers




Partners





Media Partners


Partener European

