

HERVEX 2016

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

November 9-11, 2016
Baile Govora, ROMANIA

HERVEX 2016
22nd edition

00 00 00

Index Conference details Call for Papers Costs/Payments Organizers Committees

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Reasons for Organizing this Scientific Event

- This event is a good opportunity for presenting or presenting your results obtained by the 22nd time after the completion of progress under 10532, Innovation Programme and from existing European funds.
- Bringing knowledge about the achievements and the state of development in the field of this area.
- Integration of the scientific scientific community in the activities of international scientific assembly, as well as increasing the visibility of the contribution of the international scientific heritage and for an increased recognition of European research.
- Encouraging Scientific participation in EU programme and integration of the European Scientific area in European Research area.
- Developing innovative and increasing awareness of the scientific achievement regarding the progress of implementing the results of scientific research and technological development.

International Conference on Hydraulics and Pneumatics HERVEX – 22nd edition

November 9-11, 2016
Baile Govora, Valcea county, Romania

International Conference on Hydraulics and Pneumatics – HERVEX – the most significant international scientific meeting 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 activities and activities presented in the framework of this event, regarding equipment and integrated systems, will represent a base 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 the Scientific Event

- Establishing and developing research in pneumatics and hydraulics within ERDC;
- Promoting hydronics, 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 EU 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;
- Having 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 2016
Hotel Palace****
In Baile Govora, Valcea county, Romania.

Address:
Hotel Palace**** J. Paveloni nr. 201202, Baile Govora, Romania
Coordinates:
Lat: 47°14'27.72"
Lon: 24°57'27.72"

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

We cordially invite all specialists who activate in the field of Fluid Power and are interested in contributing to the future development in the field of Fluid Power among participants from design and research in the field of hydraulics and pneumatics.

It is preferable to indicate the topic you consider that the proposed article fits within:

The main topics of the conference are as listed below, but they are not restrictive.

1. Fluid Power Systems in Industrial and Mobile Hydraulics*

- Variable-speed drives
- Energy saving, energy recovery and storage
- Hybrid drive solutions
- Reduction of emission, noise and vibrations
- Application of innovative control concepts
- Simple user interfaces and computer aided programming
- Maintenance

2. Hydraulic Components*

- Valves
- High-Speed Rotary Drives
- High-Pressure Hydraulics
- Actuators
- Filter Technology
- Noise Reduction of Hydraulic Equipment
- Development in hydraulic elements: pumps, valves

3. Pneumatics*

- Pneumatic Drives
- Flow Drive Concepts
- Efficient Cylinder Design
- Vacuum Technology
- Miniature Pneumatics
- Low-Emission Pneumatics
- Pneumatic systems and their applications
- Pneumatic components and their innovation

4. Electronics, Mechatronics and new Ideas in Fluid Power*

- Electronics in Fluid Power systems
- Mechatronics
- Application of artificial intelligence in fluid power systems
- Sensors, actuators and microsystems
- Digital Hydraulics
- Servo hydraulics and pneumatics
- Simulation and validation

5. Fundamentals, Advanced Materials and Tribology*

- Effect of Environmentally Friendly Fluids on Efficiency
- Oil Maintenance and Mixture Problems
- Plastics in Hydraulics
- Lubricants and Lubricants
- Green Tribology
- Contact mechanics of rough surfaces (including adhesion)
- Friction between rigid rough surfaces and elastomers
- Methods of Reduction of Dimensionality in contact mechanics and friction
- Wear and surface technology
- Nanotechnology, Nanomaterials and Nanoelectronics
- Nano and Micro Tribology

6. Environment and Renewable Energy*

- Renewable Energy Sources and Clean Technologies
- Solar, Wind, Geothermal, Biomass energy
- Wave Energy Converter
- Wind Energy Plants
- Handling of high-pollution areas and waste recycling
- Fluid Power in production of renewable energy
- Depollution of wastewater
- Drainage and drainage
- Energy Storage

7. Education and Training in Fluid Power*

- University and professional education in Fluid Power systems branch
- Industrial training in Fluid Power and Lubrication systems

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*The conference topics are suggestions for the papers.

Conference language(s) > Papers should be written in English.

Important dates for the papers

EXTENDED DEADLINE
September 30, 2016
October 31

- Deadline for full-length manuscript submission
- Start of paper review process

October 7, 2016
after evaluation

- Notification of paper acceptance

October 14, 2016
after notification

- Deadline for camera-ready paper submission

Peer Review Process – Rules of Reference – Evaluation Form

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Registration fee (compulsory for all Conference participants)

- Attendance to all Conference sessions
- Welcome drinks
- Coffee breaks
- CD Proceedings

60 euro

Full board accommodation – Palace Hotel****

The price includes (for the period 09.11 to 11.11): three nights' accommodation, three breakfasts, three lunches, two dinners, gala dinner, spa access, free parking and local tax.

Note: For other local of accommodation and meals, on request, the costs will be calculated separately.

Single room: 215 euro/person (VAT 20% included)
Double room: 175 euro/person (VAT 20% included)

Optional – Visit to the monasteries Horozu and Bletita. 15 euro/person

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Bank Transfer Information:

Account holder: Valcea Chamber of Commerce and Industry
Bank: Romanian Commercial Bank (BCR)
– Branch: Baile Banului Valcea, 20 General Hangeru Street

Bank accounts are:

- Currency: LEI
IBAN: RO 49 RNCB 0262 0289 1595 0006
- Currency: EURO
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International Conference on Hydraulics and Pneumatics – HERVEX 2016 – is carried on the following structure:

- 4 scientific conferences
- 4 thematic workshops
- 2 panels

DOWNLOAD THE PRELIMINARY PROGRAMME OF HERVEX-2016

HERVEX-2016 | PRELIMINARY PROGRAMME

WEDNESDAY, NOVEMBER 9

10th - 12th HSECCS CONFERENCE
* FREE CONFERENCE
* PRESENTATION OF THE CHALLENGES
* PRESENTATION OF THE PARTICIPANTS
Chairman: Dumitru P., Dumitru T., Nemes T.D., Dumitrescu C.

10th - 12th PANEL 3- STATEMENT OF STRATEGY AND INNOVATION POLICIES IN THE FIELD OF THE PRESIDENCY OF THE EUROPEAN PARLIAMENT HORCEANU 2012
Chairman: Horceanu R., Dumitru T., Dumitrescu C.

10th - 12th LUNCH

10th - 12th CONFERENCE 3- FLUID POWER COMPONENTS AND SYSTEMS IN INDUSTRIAL HYDRAULICS
Chairman: Dumitru C., Dumitrescu C.

10th - 12th WORKSHOP 3- INNOVATION – SOURCE OF PROGRESS
* PRESENTATION OF RESEARCH DIRECTIONS
* INNOVATION CLUB
Chairman: Dumitru C., Uscudeanu C., Ciup-Doin.

10th - 12th DINNER

THURSDAY, NOVEMBER 10

10th - 12th CONFERENCE 3- FLUID POWER COMPONENTS AND SYSTEMS IN INDUSTRIAL HYDRAULICS
Chairman: Dumitru C., Dumitrescu C.

10th - 12th CONFER BRNO

10th - 12th PANEL 3- METHODS FOR DECREASING ENERGY CONSUMPTION IN HYDROLOGICAL SYSTEMS
Chairman: Dumitru C., Nemes T.D., Dumitrescu C.

10th - 12th LUNCH

10th - 12th HSECCS CONFERENCE 3- FUNDAMENTALS, ADVANCED MATERIALS, PRESIDENTIAL AND TECHNOLOGY
Chairman: Dumitru C., Dumitrescu C., Nemes T.

10th - 12th HSECCS CONFERENCE 3- INNOVATION AND TRENDS IN DEVELOPMENT OF COMPLEXES – presentation of opportunities in Fluid Power sector
Chairman: Dumitru C., Dumitrescu C., Nemes T.

10th - 12th WORKSHOP 3- SOLUTIONS FOR UNDERWEIGHT AND TRENDS IN FLUID POWER
Chairman: Dumitru C., Dumitrescu C., Nemes T.

10th - 12th DINNER

FRIDAY, NOVEMBER 11

10th - 12th HSECCS CONFERENCE 3- INNOVATION AND REVERSIBLE ENERGY
Chairman: Dumitru C., Dumitrescu C., Nemes T.

10th - 12th HSECCS PANEL 3- INNOVATION – European Union (FP7-10-10-10-10-10) – European Union of 2008-2009-2009
Chairman: Dumitru C., Dumitrescu C., Nemes T.

10th - 12th CONFER BRNO

10th - 12th HSECCS PANEL 3- INNOVATION TRENDS IN FLUID POWER DEVELOPMENT
* Robotics
* Mechatronics
* Digital Hydraulics
* Sensors, Actuators and Mechatronics
Chairman: Dumitru C., Nemes T.

10th - 12th HSECCS WORKSHOP 3- EUROPEAN UNION OPPORTUNITIES FOR INNOVATION AND TECHNOLOGY TRANSFER
Chairman: Dumitru C., Dumitrescu C., Dumitrescu P.

10th - 12th HSECCS PANEL 3- CONCLUSION – European Union (FP7-10-10-10-10-10) – Panel 3- European Union of 2008-2009-2009

Venue


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 takes place at Hotel Palace**** in Baile Govora, Valcea county, Romania.

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Conference Patronage

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- *Under honorary aegis of:*
 - European Fluid Power Committee [CEPTOP]
 - with support of:
 - Romanian Ministry of National Education and Scientific Research– National Authority for Scientific Research and Innovation [ANCS]
 - National Professional Association of Hydraulics and Pneumatics in Romania [FLUIDAS]

Conference Organizers

- Hydraulics and Pneumatics Research Institute [INDE 2000-IMP], Bucharest, Romania
- ROMAG Institute of Mining Technology, Gliwice, Poland
- Chamber of Commerce and Industry Valcea [CCIVL], Romania


Conference Partners

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
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