



**Hydraulics and Pneumatics Research Institute - INOE 2000-IHP, Romania
Valcea Chamber of Commerce and Industry – CCIVL, Romania**

in partnership with

Wroclaw University of Science and Technology - WUST, Poland

KOMAG Institute of Mining Technology - KOMAG, Poland

Technical University of Moldova in Chisinau - UTM, Republic of Moldova

**National Institute of Research & Development for Machines and Installations Designed to
Agriculture and Food Industry – INMA Bucharest, Romania**

Politehnica Bucharest National University of Science and Technology - UNSTPB, Romania

Politehnica University of Timisoara - UPT, Romania

Technical University of Cluj-Napoca - UTCN, Romania

“Dunarea de Jos” University of Galati - UDJG, Romania

Organize The International Conference on Hydraulics and Pneumatics **HERVEX 2024**

First Call for Papers

Date	November 13-15, 2024
Venue	Baile Govora, Valcea County, ROMANIA
Profile	International Conference on Hydraulics, Pneumatics, Sealing Elements, Precision Mechanics, Tools, Specific Electronic Equipment & Mechatronics
Participants	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, lumber, other types of heavy equipment, food processing and packaging industries, as well as maintenance, repair and plant operations. Also, 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.
Topics (main, not-limiting)	- MODERN HYDRAULIC DRIVES: Additive Manufacturing; Artificial Intelligence in Manufacturing Processes – Intelligent Hydraulics; Modeling and Numerical Simulation of Processing Technology; Digital Hydraulics; Fluid Power Systems in Mechatronics, Robotics. - SYSTEMS AND EQUIPMENT FOR MOBILE HYDRAULICS: Parts and

	<p>Components for Mobile Hydraulic Machinery; Fluid Power in Agriculture, Construction Machinery and Mining, Automotive, etc.</p> <ul style="list-style-type: none"> - SYSTEMS AND EQUIPMENT FOR INDUSTRIAL HYDRAULICS: Industrial Hydraulic Machinery, Equipment and Tools; Testing and Experimentation Facilities; Thermal Systems. - MAINTENANCE IN FLUID POWER: Reliability, Robustness and Safety Diagnosis of Fluid Power Systems; Noise and Vibrations. - LUBRICATION AND TRIBOLOGY: Sealing and Friction; Fluid Management; Green Tribology; Wear and Surface Technology. - ENVIRONMENT AND RENEWABLE ENERGY: Environmental Health and Monitoring; Economic and Environmental Objectives; Carbon Capture and Storage; Hydraulics and Pneumatics in Green Energy Solutions and Technologies. - Academic Conference – EDUCATION AND TRAINING IN FLUID POWER; The role of professional associations in guiding higher education.
<p>Important dates for the papers</p>	<ul style="list-style-type: none"> › September 13, 2024 - <i>Deadline</i> for paper abstract submission › September 20, 2024 - Notification of abstract acceptance/rejection › October 15, 2024 - <i>Deadline</i> for full-length PAPER submission › October 21, 2024 - End of review process. Notification of paper acceptance/rejection › October 28, 2024 - <i>Deadline</i> for camera-ready PAPER submission
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