

21st International Conference on Hydraulics and Pneumatics

Ostrava, 1.-3. 6. 2011

Czech Republic



Venue: VŠB - Technical University of Ostrava

Aula – room NA 2, 17. listopadu 15, 708 33 Ostrava – Poruba, Czech Republic

Organizers:

1. **Czech Mechanical Engineering Society**, section:

Czech Association for Hydraulics and Pneumatics

2. **VŠB - Technical university of Ostrava, Faculty of Mechanical Engineering,**

The Department of Control Systems and Instrumentation,

Partner:



List of papers from INOE 2000-IHP

1. **POPESCU Teodor Costinel, ION GUTA Dragos, LEPADATU Ioan, DRUMEA Petrin**
[Experimental Research on Servomechanisms That Adjust Capacity of Radial Piston Pumps.](#)
2. **CRISTESCU Corneliu, DRUMEA Petrin, ION GUTA Dragos Daniel, DUMITRESCU Catalin & CHIRITA Constantin**
[Hydraulic System for Recovery Kinetic Energy at the Braking of the Medium and Heavy Motor Vehicles](#)

List of participants from INOE 2000-IHP

No.	Name	Affiliation	Country
5	CRISTESCU, Corneliu	Hydraulics and Pneumatics Research Institute INOE 2000-IHP Bucharest	Romania
6	CHIRITA, Constantin	Hydraulics and Pneumatics Research Institute / INOE 2000 – IHP Bucharest	Romania

The objectives of the INOE 200-IHP delegation

- Participation in Conference;
- Dissemination of research results of **INOE 2000-IHP** by presenting the **2 articles**;
- Development of direct relationships for joint projects proposals, bilateral, or preparation of European consortia for projects proposals. in

Topics of Conference

- **Hydraulic systems in production equipments (Paper 2)**
- **Hydraulic systems for mobile applications (Paper 1)**
- Development in hydraulic elements: pumps, valves
- Pneumatic systems and their applications
- Pneumatic components and their innovation
- Fluid power in automotive applications
- Electronics and fluid power systems, mechatronics, application of artificial intelligence in FPS
- Modelling, simulation and computational problems and tools by the development and design of the fluid power components and systems (simulation of the FPS, CFD, FEM etc.)
- University and professional education in fluid power systems branch

Chairman of Conference: Prof. Ing. Petr Noskievič, CSc. Vice-rector of VŠB - Technical University of Ostrava



Invited Paper: Prof. Ing. Jiří Tůma, CSc. VŠB - Technical University of Ostrava





Prof. Dr. Ing. Josef NEVRLÝ - BRNO University of Technology/Faculty of Mechanical Engineering



Prof. Dr. Ing. Karol PRIKKEĽ and his Ph.D. St- Slovenska Technicka Univerzita V, BRATISLAVE



Dr. Ing. Radim OLSOVSKY - President of Czech Association for Hydraulics and Pneumatics



Prof. Dr. Ing. Rudolf SCHEIDL - Johannes Kepler University LINZ-AUSTRIA



Dr. Ing. Corneliu CRISTESCU-INOE 2000-IHP - The presentation of the first paper



Dr. Ing. Corneliu CRISTESCU-INOE 2000-IHP - The presentation of the second paper



Aspects from the **Conference Room** and from the **Exhibition Hall**



Friendly discussions with **Prof. Rudolf SCHEIDL** during of Welcome-drinking