

**F – SERVOTEHNICĂ, HIDRAULICĂ DIGITALĂ, MECATRONICĂ, ELECTRONICĂ,
INFORMATICĂ, SENZORICĂ**

**F – SERVO TECHNIQUES, DIGITAL HYDRAULICS, MECHATRONICS, ELECTRONICS,
INFORMATICS, SENSORICS**

- **Considerations about digital PID control of electro-hydraulics equipment**

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- **A new model of pneumatic transducer used in the drying stage of the ceramic products obtaining**

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- **Data acquisition system for static and dynamic testing of pneumatic axes**

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- **Electrohydraulic proportional servo valves – Electrohydraulic servo distributors**

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- **Clicks counting methods for a scope knob**

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- **Automation of a pumping station for low power applications**

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- **Electronic screening**

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- **Mechatronic drive system for cleaning machine of photovoltaic panels**

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- **Wireless Remote Control of Electro-Pneumatic Positioning System**

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- **Laboratory Experiments Made on Corrugated Metallic Capsules, for Selecting Optimal Sensitive Elements in Pressure Transducers Used in Modern Mechatronics Systems**
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- **Research on Cam Channels for Zoom Riflescopes**
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- **Multiplexed Delay Compensation and Circular Buffer Method for moving Average Filtering of Signal Acquired from Tactile Sensors in a Mechatronics System for Walking Analysis**
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- **Using Load Sensing Control Systems to Increase Energy Efficiency of Hydrostatic Transmissions**
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- **Computerized System for a Steering Box Testing Stand with Automatic Data Record and Report Issuing**
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- **Mechatronic Systems Embedded into the Electrohydraulic Control Equipment for Industrial Applications**
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- **Maintaining Position of Servo Cylinders by Means of Digital Hydraulics**
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- **Modeling an Automatic Processing Station Using Fluidsim Software**
Ionel Laurentiu Alboteanu
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- **Technical Solutions for Digital Hydraulic Cylinders and Test Methods**
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- **Simulation of the Flow Processes in the Waste Water Treatment Plant**
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- **Distributed Hardware and Software Architecture for Monitoring and Control of Hydraulic Drives**
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- **Mobile Equipment for Testing the Power Steering of Cars**

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- **Electronic Control Module for Test Stand on the Production Line of Hydraulic Cylinders and Rotary Hydraulic Motors**

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- **Aspects regarding the Use of Digital Hydraulics in P.E.T. Waste Baling Presses**

Iulian-Claudiu Duțu, Sorin-Ștefan Biriș, Edmond Maican

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- **Electronic Module for Data Acquisition and Transmitting for Portable Power Steering Test Equipment**

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- **Analysis of Intelligent Control and Interface in Pressurized Liquid Injection Systems for Competitive Technical Solutions**

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- **Water Flow Transition on a Hydropower Virtually Developed Sector of Bârzava River in the Town of Resita**

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- **Fluid Flow Particularities within Hydraulic Working Circuit**

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