

- **Noise detection in a mechanical system**

Alexandru Dvornic, Sorin Cananau, Thami Zeghloul

*In: Hidraulica no. 1-2/ 2011, pp. 14-17*

- **Optimization of the robots spatial trajectory by using inverse kinematics results, neural network and LABVIEW simulation**

Adrian Olaru, Serban Olaru

*In: Hidraulica no. 1-2/ 2011, pp. 62-69*

- **Analytical model and numerical simulation of the alternating flow driven three-phase hydraulic systems**

Ioan-Lucian Marcu

*In: Hidraulica no. 3-4/ 2011, pp. 48-53*

- **Numerical analysis of a control structure for variable pumps**

Daniel Banyai

*In: Hidraulica no. 3-4/ 2011, pp. 56-61*

- **Approaches in hydraulic - rotary hydraulic motor driven with alternating flows and harmonic pressures**

Ioan-Lucian Marcu

*In: Hidraulica no. 3-4/ 2011, pp. 63-68*

- **Sensitivity of axial piston pump on contamination**

Jozef Krchnár, Karol Prikkel, Karol Stračár

*In: Hidraulica no. 1-2/ 2012, pp. 7-13*

- **The cavitation in zone body-spool valve for hydraulic distributor**

Calin Raszga, Victor Balasoiu

*In: Hidraulica no. 1-2/ 2012, pp. 16-21*

- **Mathematical model for a servovalve – linear motor**

Victor Balasoiu, Mircea Popoviciu, Ilare Bordeasu

*In: Hidraulica no. 1-2/ 2012, pp. 24-36*

- **Mathematical model analysis on hydraulic energy dissipation devices**

Fănel Scheaua, Adrian Sorin Axinti, Gavril Axinti

*In: Hidraulica no. 1-2/ 2012, pp. 38-42*

- **The static and dynamic analysis of a hydraulic 3/2 valve with linear displacement. Pressure-flow curves**

Claudia Kozma

*In: Hidraulica no. 1-2/ 2012, pp. 44-53*

- **Oscillatory analysis of piston pumps**

Ioana Sfârlea, Daniel Banyai, Lucian Marcu, Liviu Vaida, Dan Opruța

*In: Hidraulica no. 3-4/ 2012, pp. 45-53*

- **Hydraulic switching control – Objectives, concepts, challenges and potential applications**

Rudolf Scheidl, Helmut Kogler, Bernd Winkler

*In: Hidraulica no. 1/ 2013, pp. 7-18*

- **Cavitation erosion resistance for a set of stainless steels having 10 % nickel and variable chromium concentrations**

Ilare Bordeasu, Mircea Octavian Popoviciu

*In: Hidraulica no. 1/ 2013, pp. 79-85*

- **What to do with a hybrid drive system?**

Krzysztof Kędzia

*In: Hidraulica no. 2/ 2013, pp. 7-15*

- **Assisted optimization of the hydraulic cylinder by using the roots locus characteristics and LABVIEW instrumentation**

Adrian Olaru, Serban Olaru

*In: Hidraulica no. 2/ 2013, pp. 25-38*

- **Divisions or summative hydraulic flows standard**

Victor Balasoiu, Ilarie Bordeasu

*In: Hidraulica no. 2/ 2013, pp. 39-43*

- **Stainless steel cold-work hardening through cavitation**

Ilare Bordeasu, Ion Mitelea, Mircea Octavian Popoviciu, Marcela Sava

*In: Hidraulica no. 2/ 2013, pp. 54-59*

- **The 3D blade surface generation for Kaplan turbines using analytical methods and CAD techniques**

Teodor Milos, Mircea Octavian Popoviciu, Ilare Bordeasu, Rodica Badarau, Adrian Bej, Dorin Bordeasu

*In: Hidraulica no. 2/ 2013, pp. 65-74*

- **Rans simulation of combined flow and heat transfer through open-cell aluminum foam heat sink**

Petre Oprețoiu

*In: Hidraulica no. 3/ 2013, pp. 15-25*

- **Numerical simulation of flow in anastomotic complex after gastric resection with gastrojejunal anastomosis**

O. Vaida, Liviu Vaida, A. Andercou

*In: Hidraulica no. 3/ 2013, pp. 43-52*

- **Sonic effects of unconventional heat installations**

Carmen Bal, Nicolaie Bal, Lucian Marcu, Carmen Ioana Iuhos

*In: Hidraulica no. 3/ 2013, pp. 74-79*

- **Analytical model of the connection pipes of the alternating flow driven hydraulic systems**

Ioan-Lucian Marcu, Daniel-Vasile Banyai

*In: Hidraulica no. 3/2013, pp. 80-85*

- **Sonic effects of unconventional heat installations**

Carmen Bal, Nicolaie Bal, Mihail Hărdău, Carmen Ioana Iuhos

*In: Hidraulica no. 4/2013, pp. 12-17*

- **Numerical study on the fluid motion induced by a rotating disk inside a vessel**

Adrian Ciocanea

*In: Hidraulica no. 4/2013, pp. 65-69*

- **CFD model of flow in the outlet channel of floating chamber**

Karol Stračár, Jozef Krchnár, Karol Prikkel

*In: Hidraulica no. 1/2014, pp. 7-13*

- **The flow modeling on the cylinder valve**

Iulian Florescu, Daniela Florescu

*In: Hidraulica no. 1/2014, pp. 46-49*

- **Contribution to hydraulic turbines draft tube design**

Mircea Barglazan, Ilare Bordeasu

*In: Hidraulica no. 2/2014, pp. 32-38*

- **Some considerations about the study of particles motion on the conical sieves**

Dorel Stoica

*In: Hidraulica no. 2/2014, pp. 48-52*

- **Cavitation erosion resistance of AMPCO 45 bronze with heat treatments**

Ilare Bordeasu, Mircea Octavian Popoviciu, Ion Mitelea, Lavinia Madalina Micu, Octavian Victor Oanca, C-tin Bordeasu, Laura Cornelia Salcianu, Cristian Ghera

*In: Hidraulica no. 2/2014, pp. 53-61*

- **Study of the fluidized bed hydrodynamics from the energetic boilers using different type of solid particles**

Daniela Hoară, Gheorghe Lăzăroiu

*In: Hidraulica no. 3/2014, pp. 36-45*

- **Influence of nitriding thermochemical treatments upon cavitation erosion resistance of duplex X2CrNiMoN22-5-3 stainless steels**

Lavinia Madalina Micu, Dorin Bordeasu, Ilare Bordeasu, Mihaela Popescu, Octavian Victor Oanca, Sebastian Titus Duma

*In: Hidraulica no. 4/2014, pp. 27-33*

- **High Order Dynamic Model and Control Strategy of Automotive Powertrain System with Electro hydraulic Driven Dry-clutch**

Mario Pisaturo, Adolfo Senatore

*In: Hidraulica no. 1/2015, pp. 7-18*

- **[Axial Balance in Centrifugal Pumps – Back Labyrinth Versus Dorsal Vanes](#)**

Sanda Budea

*In: Hidraulica no. 1/2015, pp. 19-24*

- **[Considerations Regarding the Behavior to Cavitation Erosion of Two Carbon Alloy Stainless Steels Used in the Manufacturing of Hydraulic Equipment Drawers of Command, Adjustment and Distribution](#)**

Cristian Ghera, Ilare Bordeasu, Laura Salcianu, Sebastian Titus Duma, Ștefan-Eusebiu Katona, Adrian Pugna, Lavinia Madalina Micu, Luoana Florentina Pascu

*In: Hidraulica no. 1/2015, pp. 25-31*

- **[Kinematic and dynamic irregularities of roller pumps  
Part I. Modeling of kinematic and dynamic irregularities](#)**

Gencho Popov, Yuliyang Angelov

*In: Hidraulica no. 1/2015, pp. 52-59*

- **[Hydrostatic Transmissions Used to Drive Electric Generators in Wind Power Plants](#)**

Corneliu Cristescu, Catalin Dumitrescu, Ioana Ilie, Liliana Dumitrescu

*In: Hidraulica no. 1/2015, pp. 60-72*

- **[Aspects Regarding Fluid Viscous Anchoring Systems Used for Vibration Mitigation at Bridge Structures](#)**

Fănel Dorel Șcheaua

*In: Hidraulica no. 2/2015, pp. 14-17*

- **[Kinematic and Dynamic Irregularities of Roller Pumps  
Part II. Numerical Research, Results and Analysis](#)**

Gencho Popov, Yuliyang Angelov

*In: Hidraulica no. 2/2015, pp. 27-34*

- **[Hydrostatic Transmissions Used to Drive a Collapsible Solar Thermal Collector](#)**

Corneliu Cristescu, Radu Radoi, Catalin Dumitrescu

*In: Hidraulica no. 2/2015, pp. 57-63*

- **[Configurations of the Flow Induced by a Fan Impeller without Casing](#)**

Andrei Dragomirescu

*In: Hidraulica no. 3/2015, pp. 7-17*

- **[Heat Transfer Performance Analysis in Porous Heat Exchanger](#)**

Petre Oprețoiu

*In: Hidraulica no. 3/2015, pp. 32-41*

- **[Influence of Cutting Parameters on Surface Roughness of Red Brass \(C23000\) in Turning Using Exponential Model](#)**

M. Hanief, M. F. Wani

*In: Hidraulica no. 3/2015, pp. 55-58*

- **Flow through Command Hydraulic Resistance**

Ioana Sfarlea, Lucian Marcu, Daniel Banyai

*In: Hidraulica no. 3/2015, pp. 59-64*

- **The Calculation of the Pelton and Francis Turbine Hill Chart Using the HydroHillChart Software**

Dorian Nedelcu, Adelina Ghican (Bostan)

*In: Hidraulica no. 4/2015, pp. 7-16*

- **Effects of Turbo Charging of Spark Ignition Engines**

Aman Gupta, Sunny Narayan

*In: Hidraulica no. 4/2015, pp. 62-65*

- **Validation of a Multiple Linear Regression Model**

Marin Rusănescu, Anca Alexandra Purcărea

*In: Hidraulica no. 4/2015, pp. 66-70*

- **Numerical Investigation of Unsteady Flows Using OpenFOAM**

Alin Anton

*In: Hidraulica no. 1/2016, pp. 7-12*

- **Considerations on Flow Regeneration Circuits and Hydraulic Motors Speed Variation at Constant Flow**

Teodor Costinel Popescu, Alina Iolanda Popescu, Alexandru Marinescu

*In: Hidraulica no. 1/2016, pp. 21-29*

- **Considerations on Energy Losses in Hydraulic Drive Systems**

Corneliu Cristescu, Catalin Dumitrescu, Genoveva Vrânceanu, Liliana Dumitrescu

*In: Hidraulica no. 1/2016, pp. 36-46*

- **Alternating Flow Hydraulic Generator for Water Jet Cutting Systems**

Ioan-Lucian Marcu, Cornel Ciupan

*In: Hidraulica no. 1/2016, pp. 61-66*

- **A Review of Heat Engines**

Aman Gupta, Sunny Narayan

*In: Hidraulica no. 1/2016, pp. 67-72*

- **Simulation of Turbulent Axisymmetric Waterjet Using Computational Fluid Dynamics (CFD)**

Nicolae Medan

*In: Hidraulica no. 2/2016, pp. 6-12*

- **Energy Use in Hydraulic Drive Systems Equipped with Fixed Displacement Pumps**

Petrin Drumea, Catalin Dumitrescu, Alexandru Hristea, Ana-Maria Popescu

*In: Hidraulica no. 2/2016, pp. 48-57*

- **Electrical Analogy of Liquid Piston Stirling Engines**

Aman Gupta, Sunny Narayan

*In: Hidraulica no. 2/2016, pp. 58-63*

- **CFD Analysis of a Wind Turbine Assembly Model**

Fănel Dorel Șcheaua

*In: Hidraulica no. 2/2016, pp. 64-69*

- **Prediction of Turbulent Flow Using Upwind Discretization Scheme and k-ε Turbulence Model for Porous Heat Exchanger**

Petre Oprițoiu

*In: Hidraulica no. 2/2016, pp. 88-97*

- **Use of Finite Taylor Developments Method to Determine the Flow Coefficient of Small Orifices**

Andrei Voinea, Lucian Mândrea, Valeriu Panaitescu

*In: Hidraulica no. 3/2016, pp. 6-13*

- **A Review of Combustion Process**

Vikaram Singh, Sujoy Nair

*In: Hidraulica no. 3/2016, pp. 42-47*

- **A Geometrical Model of Piston-Liner System**

Sunny Narayan, Aman Gupta

*In: Hidraulica no. 3/2016, pp. 54-59*

- **Theoretical Approaches Regarding the VENTURI Effect**

Fănel Dorel Șcheaua

*In: Hidraulica no. 3/2016, pp. 69-72*

- **Experimental and Numerical Investigation of the Flow Past a Thin Circular Airfoil with Mid-Chord Slot**

Andrei Dragomirescu, Carmen-Anca Safta, Marius Stoia-Djeska

*In: Hidraulica no. 4/2016, pp. 06-11*

- **Modeling of Flow through Cooling Plant with Sea Water**

Mariana Panaitescu, Fanel-Viorel Panaitescu, Gabriel Tudose

*In: Hidraulica no. 1/2017, pp. 16-20*

- **Discreet Flow Distribution in Central Pivot**

Podalyro Amaral de Souza, Eber Lopes de Moraes

*In: Hidraulica no. 1/2017, pp. 21-25*

- **Design Details and Fluid Flow Analysis for the Centrifugal Pump with Special Rotor Pattern**

Fănel Dorel Șcheaua

*In: Hidraulica no. 1/2017, pp. 33-38*

- **Comparative Study of the AWJ Cutting Geometry using the 3D Point Measuring Method versus 3D Scanning of the Surfaces**

Adrian Paul Basarman, Nicolae Medan

*In: Hidraulica no. 2/2017, pp. 34-39*

- **Optimizing the Equation of Impact Forces Produced by Water Jets Used in Sewer Cleaning**

Nicolae Medan, Adrian Paul Basarman

*In: Hidraulica no. 2/2017, pp. 56-61*

- **Simulation of the Flow Processes in the Waste Water Treatment Plant**

Mariana Panaitescu, Fanel-Viorel Panaitescu

*In: Hidraulica no. 3/2017, pp. 50-61*

- **Considerations on the Calculation of Ventilation Systems for Special Ships**

Octavian – Narcis Volintiru, Anastase Pruiu, Ionut Cristian Scurtu

*In: Hidraulica no. 4/2017, pp. 18-24*

- **Researches regarding the Behavior of CuAl10.5Ni5Fe4.8Mn1.5 at Erosion Generated by Vibratory Cavitation**

Iosif Lazar, Ilare Bordeasu, Mircea O. Popoviciu, Lavinia Madalina Micu

*In: Hidraulica no. 4/2017, pp. 25-33*

- **Specific Methods for Acquiring Controlled Atmosphere for Clean Rooms Used in Industrial and Medical Domains**

Fănel Dorel Șcheaua

*In: Hidraulica no. 4/2017, pp. 51-56*

- **Statistical Analysis of the Pollution of a Hydraulic Oil Based on the Evolution of the Filter Clogging on the Pressure Pipe**

Mounir Gahgah, Azzedine Bouzaouit

*In: Hidraulica no. 1/2018, pp. 49-54*

- **Studying Transients in Water Supply Systems**

Zoltán Csongrádi, Nikolett Fecser, Bálint Lajtai

*In: Hidraulica no. 3/2018, pp. 26-32*

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

Fănel Șcheaua

*In: Hidraulica no. 3/2018, pp. 62-67*

- **Phenomenon of Transiency in Water Supply Systems**

Nikolett Fecser

*In: Hidraulica no. 4/2018, pp. 34-38*

- **Optimizing Air Flow Instilled in an Aeration Pool**

Mariana Panaitescu, Fănel-Viorel Panaitescu

*In: Hidraulica no. 4/2018, pp. 72-75*