

- **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 Prikel, 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 Axintă, Gavril Axintă

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 Opruță

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 Bordeașu, 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 Bordeașu, 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 Oprîțoiu

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 Gheră, Ilare Bordeasă, 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, Yuliyan 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, Yuliyan 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 Oprea

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. Hanif, 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 Oprîțoiu

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 Panaiteșcu

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 Panaiteșcu, Fanel-Viorel Panaiteșcu, Gabriel Tudose

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

- Discrete 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 Csorgrádi, 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

- Using Complex Liquid-Measuring Devices in Fire Hoses

Nikolett Fecser, Filomena Haromi, Rajmund Kuti

In: Hidraulica no. 1/2019, pp. 38-44

- New Actuator Type Using Magnetically Controlled Rheological Properties of Fluids

Dan Scurtu, Doru Călărașu

In: Hidraulica no. 1/2019, pp. 71-78

- Study of Mass Water Oscillations and Water Hammer Occurrence in Hydraulic Installations

Sanda Budea

In: Hidraulica no. 2/2019, pp. 29-35

- Fluid Flow within a Hydrostatic Lobe Pump

Fănel Dorel Șcheaua

In: Hidraulica no. 2/2019, pp. 36-42

- Sensitivity Analysis of Sharp-Crested Weirs as a Function of Shape Opening, for Small Discharges

Cristina Sorana Ionescu, Daniela Elena Gogoașe Nistoran, Ioana Opris, Ștefan-Mugur Simionescu

In: Hidraulica no. 2/2019, pp. 43-51

- From Classical Systems Thinking to Modern Dynamic Systems Theory: Beyond the Definitions and Conceptual Delimitations

Bogdan Cioruța, Mirela Coman

In: Hidraulica no. 3/2019, pp. 76-85

- Transients in Public Water Supply in Győr-Moson-Sopron County

Nikolett Fecser

In: Hidraulica no. 1/2020, pp. 16-20

- Study of Temperature–Corrosion–Torsion Affecting Factors on the Shape of a Toroidal LPG Tank Using the Finite Element Method

Mihai Țălu, Ștefan Țălu

In: Hidraulica no. 1/2020, pp. 21-32

- Gradually Varied Flow in a Trapezoidal Channel, towards a Hydraulics with Fractional Calculation and Finite Differences

Carlos A. Santamaría Díaz, Maritza L. Arganis Juárez, José L. Aragón Hernández, José L. Herrera Alanís, Jesús J. Cortés Rosas, Miguel E. González Cárdenas, Víctor D. Pinilla Morán, Margarita E. Preciado Jiménez

In: Hidraulica no. 1/2020, pp. 40-46

- Numerical Analysis of the Influence of Uniaxial Compression Loads on the Shape of a Toroidal LPG Tank

Ștefan Țălu, Mihai Țălu

In: Hidraulica no. 1/2020, pp. 47-58

- Stress and Deformation Analysis under Bending and Torsional Loads of a Toroidal LPG Tank Based on the Finite Element Analysis

Mihai Țălu, Ștefan Țălu

In: Hidraulica no. 1/2020, pp. 88-101

- Determining the Optimal Curves for Stator or Rotor Profiles of Multi-Action Hydraulic Pumps and Motors

Dan Prodan, Anca Bucureșteanu, Adrian Motomancea, Alina Ovanisof

In: Hidraulica no. 2/2020, pp. 07-14

- Modeling the Flow through the Wastewater Installation Bioreactor

Mariana Panaitescu, Fănel-Viorel Panaitescu, Nicolae-Marian Iacob

In: Hidraulica no. 3/2020, pp. 14-24

- Fluid Hammer Phenomenon Aspects on Circular Ducts

Fănel Dorel Șcheaua

In: Hidraulica no. 1/2021, pp. 24-31

- Design and Study of Hydraulic Systems

Mihai Diaconu, Tiberiu Axinte, Cătălin Frățilă, Paul Bocănete, Remus Cojocaru

In: Hidraulica no. 2/2021, pp. 49-56

- Analysis of Pneumatic Circuits with FluidSim

Remus Cojocaru, Paul Bocănete, Dumitru Deleanu, Cătălin Frățilă, Tiberiu Axinte, Mihai Diaconu

In: Hidraulica no. 2/2021, pp. 70-75

- Acoustic Monitoring of Diesel Engine

S. Narayan, Vipul Gupta

In: Hidraulica no. 2/2021, pp. 90-96

- A Review of Combustion-Based Noise in Engines

Vipul Gupta, S. Narayan

In: Hidraulica no. 2/2021, pp. 103-107

- A Review of Quantification of Noise in Engines

Sujoy Nair, Raman Singh

In: Hidraulica no. 3/2021, pp. 51-56

- Combustion Process Analysis in Engines Using Vibration Signals

Faisal O. Mahroogi, S. Narayan

In: Hidraulica no. 3/2021, pp. 67-79

- A Review of NVH Testing of Engines

Raman Singh, Sujoy Nair

In: Hidraulica no. 3/2021, pp. 80-85

- A Review of Structural Attenuation in Combustion Engines

S. Narayan, Raman Singh

In: Hidraulica no. 3/2021, pp. 94-99

- Resistance and Behavior to Cavitation Erosion of Semi-Finished Aluminum Alloy 5083

Ilare Bordeașu, Cristian Gheră, Dionisie Istrate, Laura Sălcianu, Brândușa Ghiban, Dumitru Viorel Băzăvan, Lavinia Mădălină Micu, Daniel-Cătălin Stroîță, Alexandra Suta, Ileana Tomoiagă, Alexandru Nicolae Luca Ostoia

In: Hidraulica no. 4/ 2021, pp. 17-24

- A Review of Psychological Assessment of Noise from Engines

Raman Singh, Sujoy Nair

In: Hidraulica no. 4/ 2021, pp. 86-91

- Modification of the Cavitation Resistance by Hardening Heat Treatment at 450 °C Followed by Artificial Aging at 180 °C of the Aluminum Alloy 5083 Compared to the State of Cast Semi-Finished Product

Alexandru Nicolae Luca, Ilare Bordeașu, Brândușa Ghiban, Cristian Gheră, Dionisie Istrate, Daniel-Cătălin Stroîță

In: Hidraulica no. 1/ 2022, pp. 39-45

- Practical and Simple Laboratory Experiment to Visualize the Correlation among the Hydraulic Flow Parameters in Pipes

Henrique Pizzo, Rafaela Lima, Michele Resende, Ana Flávia Cruz

In: Hidraulica no. 2/ 2022, pp. 23-28

- Researches on Water Aeration Flowing through Pipes

Marilena Monica Boltinescu (Roza), Nicolae Băran, Alexandru Iulian Grigore, Remus Voicu, Mihaela Constantin

In: Hidraulica no. 2/ 2022, pp. 38-44

- Numerical Simulation of Water Flow through an Ecological River Intake

Ştefan-Mugur Simionescu, Daniela-Elena Gogoaşă, Gabriela Cîrciumaru, Rareş-Andrei Chihaiia

In: Hidraulica no. 2/ 2022, pp. 45-54

- Increasing the Oxygen Transfer Rate to Stationary Water

Marilena Monica Boltinescu (Roza), Nicolae Băran, Albertino Giovani Roza, Mihaela Constantin

In: Hidraulica no. 2/ 2022, pp. 91-100

- A State-of-the-art Review of Compaction Control Tests Methods

Andrei Buraga, Carmen Nicoleta Debeleac

In: Hidraulica no. 4/ 2022, pp. 42-51

- Aspects regarding the Use of Hydraulic Motors

Alexandru Bobe, Tiberiu Axinte, Cătălin Nuțu, Cătălin Frățilă, Mihai Diaconu

In: Hidraulica no. 4/ 2022, pp. 52-61

- Opinions Regarding the Assessment of Pressure Drop in Tangential Feed Cyclones for Cleaning Industrial Dry Gases

Melania Corlecicu (Mitucă), Radu I. Iatan, Ion Durbacă, Georgiana Luminița Enăchescu, Anca Mădălină Dumitrescu, Gheorghe Cosmin Ciocoiu

In: Hidraulica no. 2/ 2023, pp. 15-24

- Evaluation of Stress States in Areas with Geometric Structure Discontinuities in the Configuration of Pressure Equipment. I. Direct Discontinuity

Radu I. Iatan, Gheorghe Cosmin Ciocoiu, Anca Mădălina Dumitrescu

In: Hidraulica no. 2/2023, pp. 48-55

- Density and Viscosity Effects of Hydraulic System Working Fluid

Fănel Șcheaua

In: Hidraulica no. 1/2024, pp. 34-39

- Methods to Reduce and Control Risks Arising from Head Loss in the Transportation of Water through Pipes and Fittings Used for Firefighting

Denis-Mihai Burada, Florin-George Gionea

In: Hidraulica no. 3/2024, pp. 95-104

- Optimizing the Flow through the Hydraulic Installation of a Port Crane

Mariana Panaiteșcu, Fănel-Viorel Panaiteșcu, Ionuț Voicu

In: Hidraulica no. 4/2024, pp. 17-28

- Numerical Aspects of Fluid Peristaltic Circulation Model

Fănel Dorel Șcheaua

In: Hidraulica no. 4/2024, pp. 76-83