

Lista de lucrări ale candidatului conf.univ.dr.ing. Adrian Ciprian STUPARU

a) Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI sau BDI

Nr. crt	Autori	Titlu	Revista/Volum	ISBN/ISSN	Anul	Vol (Nr.)	Pag.	Factor de impact ISI
1	Stuparu Adrian Ciprian, Susan-Resiga Romeo, Tanasa Constantin	<i>CFD Assessment of the Hydrodynamic Performance of Two Impellers for a Baffled Stirred Reactor</i>	Applied Sciences, Special Issue Application of Computational Fluid Dynamics in Mechanical Engineering, ISI	2076-3417	2021	11(11)	13	2.679
2	Stuparu Adrian Ciprian, Susan-Resiga Romeo, Bosioc Alin	<i>Improving the Homogenization of the Liquid-Solid Mixture Using a Tandem of Impellers in a Baffled Industrial Reactor</i>	Applied Sciences, Special Issue Application of Computational Fluid Dynamics in Mechanical Engineering, ISI	2076-3417	2021	11(12)	11	2.679
3	Stuparu Adrian Ciprian, Susan-Resiga Romeo, Bosioc Alin	<i>CFD Simulation of Solid Suspension for a Liquid-Solid Industrial Stirred Reactor</i>	Applied Sciences, Special Issue Application of Computational Fluid Dynamics in Mechanical Engineering, ISI	2076-3417	2021	11 12)	15	2.679
4	Susan-Resiga Romeo, Muntean Sebastian, Bosioc Alin, Stuparu Adrian Ciprian	<i>Stabilisation of the swirl exiting a Francis runner far from the best efficiency point</i>	IOP Conference Series: Earth and Environmental Science, Proceeding of 30th IAHR Symposium on Hydraulic Machinery and Systems, ISI	1755-1307	2021	774(1)	9	0
5	Stuparu Adrian Ciprian, Alexandru Baya, Alin Bosioc, Liviu Anton, Daniel Mos	<i>Experimental investigation of a pumping station from CET power plant Timisoara</i>	IOP Conference Series: Earth and Environmental Science, Proceeding of 29th IAHR Symposium on Hydraulic Machinery and Systems, ISI	1755-1307	2019	240	10	0
6	Nemet Octavian, Stuparu Adrian Ciprian, Susan-Resiga Romeo	<i>Design and optimization of an axial expansion turbine for energy recovery</i>	Proceedings of the 9th International Conference on Energy and Environment 2019, ISI	978-1-7281-1532-0	2019	-	5	0

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7	Tănasă Constantin, Stuparu Adrian Ciprian , Bosioc Alin, Susan-Resiga Romeo	<i>Numerical Analysis of Pulsating Water Jet Method for Mitigating the Vortex Rope</i>	Proceedings of the 9th International Conference on Energy and Environment 2019, ISI	978-1-7281-1532-0	2019	-	6	0
8	Tănasă Constantin, Stuparu Adrian Ciprian , Stroiță Cătălin, Popescu Constantin, Susan-Resiga Romeo	<i>3D Numerical Analysis of Pulsating Water Jet in the Draft Tube Cone of Hydraulic Machinery</i>	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2019 (ICCMSE-2019), ISI	978-0-7534-1933-9	2019	2186	4	0
9	Romeo Susan-Resiga, Sebastian Muntean, Stuparu Adrian Ciprian	<i>Francis turbine with tandem runners: a proof of concept</i>	IOP Conference Series: Earth and Environmental Science, Proceeding of 29th IAHR Symposium on Hydraulic Machinery and Systems, ISI	1755-1307	2019	240	8	0
10	Romeo Susan-Resiga, Popescu Constantin, Szakal Raul, Sebastian Muntean, Stuparu Adrian Ciprian	<i>A benchmark test case for swirling flows: design of the swirl apparatus, experimental data, and numerical challenges</i>	IOP Conference Series: Earth and Environmental Science, Proceeding of 29th IAHR Symposium on Hydraulic Machinery and Systems, ISI	1755-1307	2019	240	10	0
11	Stuparu Adrian Ciprian , Alexandru Baya, Alin Bosioc, Liviu Anton, Daniel Mos	<i>Modelling the operation curves of two similar high power centrifugal pumps</i>	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2017 (ICNAAM-2017), ISI	0094-243X	2018	1978	4	0
12	Alin I. Bosioc, Stuparu Adrian Ciprian , Romeo Susan-Resiga	<i>Numerical Analysis of Temperature and Torque in A Magneto-Rheological Clutch</i>	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2016 (ICNAAM-2016), ISI	0094-243X	2017	1863 (1)	4	0

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13	Romeo Susan-Resiga, Sebastian Muntean, Stuparu Adrian Ciprian , Alin Bosioc, Constantin Tanasa, Cosmin Ighișan	<i>A variational model for swirling flow states with stagnant region</i>	European Journal of Mechanics B-Fluids, ISI	0997-7546	2016	55	104-115	1.418
14	Stuparu Adrian Ciprian , Susan-Resiga Romeo	<i>The Complex Dynamics of the Precessing Vortex Rope in a Straight Diffuser</i>	IOP Conference Series: Earth and Environmental Science, Proceeding of 28th IAHR Symposium on Hydraulic Machinery and Systems, ISI	1755-1307	2016	49	10	0
15	Constantin Tanasa, Romeo Susan-Resiga, Sebastian Muntean, Stuparu Adrian Ciprian , Alin Bosioc, Tiberiu Ciocan	<i>Numerical Assessment of a Novel Concept for Mitigating the Unsteady Pressure Pulsations Associated to Decelerating Swirling Flow with Precessing Helical Vortex</i>	International Conference of Computational Methods in Science and Engineering, AIP Conference Proceedings, 1702, 080003, ISI	0094-243X	2015	1702	4	0
16	Stuparu Adrian Ciprian , Sorin Holotescu	<i>Numerical simulation of the 3D unsteady turbulent flow in a combustion chamber</i>	Central European Journal of Engineering, BDI, Scopus/Springer Link	print: 1896-1541	2011	1(2)	189-194	-
17	Stuparu Adrian Ciprian , Sorin Holotescu	<i>Geometry influence on the position and the intensity of the maximum kinetic energy in a combustion chamber</i>	Defect and Diffusion Forum, Diffusion in Solids and Liquids VI, ISI	1012-0386	2011	312-315	725-730	0

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18	Stuparu Adrian Ciprian, Susan-Resiga Romeo, Anton Liviu, Muntean Sebastian	<i>Numerical investigation of the cavitational behaviour into a storage pump operating at off design operating points</i>	IOP Conference Series: Earth and Environmental Science, ISI	1755- 1307	2010	12(1)	10	0

b) Articole științifice publicate în reviste de specialitate sau volume de conferințe neindexate

Nr. crt.	Autori	Titlul lucrării	Publicația (Nr., anul, pag.)	An	Nr. pag.
1	Stuparu Adrian Ciprian, Susan-Resiga Romeo	<i>The origin of the plunging pressure fluctuations for a swirling flow with precessing vortex rope in a straight diffuser</i>	6th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, September 9-11, 2015, Ljubljana, Slovenia	2015	8
2	Susan-Resiga Romeo, Muntean Sebastian, Stuparu Adrian Ciprian, Neipp Andreas, Ruprecht Albert, Riedelbauch Stefan	<i>On the hub-to-shroud ratio of an axial expansion turbine for energy recovery</i>	6th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, September 9-11, 2015, Ljubljana, Slovenia	2015	7
3	Ginga Gheorghita, Stuparu Adrian Ciprian, Bosioc Alin, Anton Liviu, Muntean Sebastian	<i>3D numerical simulation of the flow into the suction elbow and impeller of a storage pump</i>	4th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrad, Serbia, 26-28 oct. 2011, ISBN 978-86-7083-740-9	2011	9
4	Moisa Irina, Stuparu Adrian Ciprian, Susan-Resiga Romeo, Muntean Sebastian	<i>Inverse design of a pump inducer and performance evaluation with 3D flow simulation</i>	4th IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrad, Serbia, 26-28 octombrie 2011, pp. 171-178, ISBN 978-86-7083-740-9	2011	7
5	Stuparu Adrian Ciprian, Susan-Resiga Romeo, Anton Liviu, Muntean Sebastian	<i>A new approach in numerical assessment of the cavitation behaviour of centrifugal pump</i>	International Journal of Fluid Machinery and Systems, Vol. 4, nr. 1, 2011, DOI 10.5293/IJFMS.2011.4.1.122, ISSN (Online) 1882-9554, pag. 122-131	2011	10
6	Stuparu Adrian Ciprian, Muntean Sebastian, Susan-Resiga Romeo, Anton Liviu	<i>Numerical investigation of the cavitation behaviour of a storage pump operating at best efficiency point</i>	3rd IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, 2009, Brno, Cehia, ISBN 978-80-214-3947-4	2009	10
7	Stuparu Adrian Ciprian, Muntean Sebastian, Anton Liviu	<i>Validation of the 2D numerical investigation methodology of the turbulent flow into an inducer with the 3D computation</i>	Conference on Modelling Fluid Flow, The 14th International Conference on Fluid Flow Technologies, 2009, Budapesta, Ungaria, ISBN 978-963-420-984-3	2009	7

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8	Sebastian MUNTEAN, Romeo SUSAN-RESIGA, Alin Ilie BOSIOC, Stuparu Adrian Ciprian , Alexandru BAYA, Liviu Eugen ANTON	<i>Mitigation Of Pressure Fluctuation In A Conical Diffuser With Precessing Vortex Rope Using Axial Jet Control Method</i>	Proceedings of the „24th IAHR Symposium on Hydraulic Machinery and Systems”, 27-31 october 2008, Foz do Iguassu, Brazilia, CD, ISBN 978-85-60858-13-1	2008	11
9	Stuparu Adrian Ciprian , Muntean Sebastian, Anton Liviu, Baya Alexandru	<i>3D numerical investigation of flow through the centrifugal pump with double flux</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 53(67), Fascicola 3, Proceedings of the 4 th Workshop on Vortex Dominated Flows 2008, ISSN 1224-6077, pp. 75...80	2008	6
10	Liviu Eugen ANTON, Stuparu Adrian Ciprian , Alexandru BAYA	<i>Numerical and Experimental Investigation of the Flow into an Inducer</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 53(67), Special Issue, Proceedings of the International Conference on Hydraulic Machinery and Equipments HME 2008, ISSN 1224-6077, pp. 227...232	2008	6
11	Stuparu Adrian Ciprian , Sebastian MUNTEAN, Daniel BALINT, Alexandru BAYA, Liviu Eugen ANTON	<i>Numerical Investigation of a Storage Pump at Constant Speed</i>	Proceedings of the 3rd Romanian-German Workshop on Turbomachinery Hydrodynamics, Ed. Orizonturi Universitare, Timișoara, 15-17 mai 2007, pp. 73...84, ISBN 978-973-638-329-8	2007	12
12	Stuparu Adrian Ciprian , Sebastian MUNTEAN, Daniel BALINT, Alexandru BAYA, Liviu Eugen ANTON	<i>Numerical Analysis of Pump Hydrodynamics at Constant Speed</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 52(66), Fascicola 3, 2007, ISSN 1224-6077, pp. 43...48	2007	6
13	Romeo RESIGA, Sebastian MUNTEAN, Alin BOSIOC, Stuparu Adrian Ciprian , Teodor MILOȘ, Alexandru BAYA, Sandor BERNAD, Liviu Eugen ANTON	<i>Swirling Flow Apparatus and Test Rig for Flow Control in Hydraulic Turbines Discharge Cone</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 52 (66), Fascicola 6, 2007, ISSN 1224-6077, pp. 203...216	2007	14
14	Alexandru BAYA, Alin BOSIOC, Stuparu Adrian Ciprian , Sebastian MUNTEAN, Romeo RESIGA,	<i>Development of a New Test Rig for Analysis and Control of Swirling Flows</i>	Scientific Bulletin of the „Politehnica” University Of Bucharest, Series C: Electrical Engineering, volume 69, number 4, 2007, ISSN 1454-234x, pp. 673...680	2007	8

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	Teodor MILOS, Liviu Eugen ANTON				
15	Stuparu Adrian Ciprian, Sebastian MUNTEAN, Daniel BALINT, Alexandru BAYA, Liviu Eugen ANTON	<i>Numerical investigation of the influence of the suction-elbow on the inlet flow field of a storage pump</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 51(65), Fascicola 3, 2006, ISSN 1224-6077, pp. 31...36	2006	6
16	Teodor MILOȘ, Sebastian MUNTEAN, Stuparu Adrian Ciprian, Alexandru BAYA, Romeo SUSAN-RESIGA	<i>Automated Procedure for Design and 3D Numerical Analysis of Centrifugal Pump Impellers</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 51(65), Fascicola 3, 2006, ISSN 1224-6077, pp. 23...30	2006	8
17	Stuparu Adrian Ciprian, Sebastian MUNTEAN, Daniel BALINT, Liviu ANTON, Alexandru BAYA	<i>3D Numerical Investigation of the Flow in a Centrifugal Pump</i>	Proceedings of the „Romanian FLUENT Users Meeting”, Editura Printech, București, 30-31 martie 2006, ISBN general 973-718-443-2, ISBN specific 978-973-718-443-6, pp. 43...48	2006	6
18	Alexandru BAYA, Liviu ANTON, Stuparu Adrian Ciprian	<i>Aplicarea Metodei Termodinamice Pentru Determinarea Randamentului Turbinelor Hidraulice</i>	Lucrările celei de a patra conferințe a hidroenergienților din România, volumul II, București, 2006, pp. 355...364, ISBN general 973-718-486-6, ISBN specific volum 973-973-718-486-3	2006	10
19	Stuparu Adrian Ciprian, Alexandru BAYA, Liviu Eugen ANTON	<i>The Determination of the Flow Rate of a Kaplan Turbine Using the Thermodynamic Method</i>	Sustainability for Humanity & Environment in the Extended Connection Field Science-Economy-Policy, Timișoara, 24-25 februarie 2005, vol. 2, pp. 187...190, ISBN 973.625-204-3	2005	4
20	Stuparu Adrian Ciprian, Alexandru BAYA, Liviu Eugen ANTON	<i>Thermodynamic Method for Pumps Efficiency Monitoring and Flow Rate Estimation, and Application to a Multistage Pump</i>	Proceedings of the “Conference for Young Professionals: Innovations in the Field of Water Supply, Sanitation and Water Quality Management”, București, 15-17 iunie, 2005, pp. 175...180, ISBN 973-0-03972-0	2005	6
21	Teodor MILOȘ, Romeo SUSAN-RESIGA, Liviu Eugen ANTON, Alexandru BAYA, Sebastian MUNTEAN, Stuparu Adrian Ciprian	<i>The Implementation of CAD and CFD Techniques in the Design of a Centrifugal Ventilator with Restraints of Form and Size</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 49(63), 2004, ISSN 1224-6077, pp. 223...229	2004	6

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22	Alexandru BAYA, Teodor MILOȘ, Liviu Eugen ANTON, Stuparu Adrian Ciprian	<i>Modelling of the Automatic Adjustment of the Optimum Operating Point of a Pump Depending on the Requirements of the Water Supply</i>	Scientific Bulletin of the „Politehnica” University Of Timisoara, Transactions on Mechanics, Tom 49(63), 2004, ISSN 1224-6077, pp. 181...186	2004	6
23	Alexandru BAYA, Liviu ANTON, Teodor MILOȘ, Stuparu Adrian Ciprian	<i>Achiziții și prelucrări de date în timp real pentru experimente de hidrodinamică</i>	Lucrările celei de a treia conferințe a hidroenergeticienilor din România, volumul II, București, 28-29 mai 2004, pp. 351...361, ISBN general 973-718-009-7, ISBN specific volum 973-718-011-9	2004	11
24	Teodor MILOS, Alexandru BAYA, Liviu Eugen ANTON, Stuparu Adrian Ciprian	<i>Experimental investigation and optimisation of a pumping station operating point using the variable rotational speed approach</i>	Proceedings of the „Intrenational Conference on Case Studies in Hydraulic Systems (CSHS'03)”, Conference, 2003, Belgrad, Serbia, pp. 163...170, ISBN 86-7083-469-3	2003	8
25	Liviu Eugen ANTON, Alexandru BAYA, Romeo RESIGA, Sandor BERNAD, Sebastian MUNTEAN, Stuparu Adrian Ciprian	<i>Numerical and Experimental Investigations of the Flow in the Pipe Elbow</i>	Proceedings of the Workshop on „Numerical Methods in Fluid Mechanics and FLUENT Applications”, Ed. Orizonturi Universitare, Timișoara, 22-23 mai 2003, pp. 187...194, ISBN 973-638-022-X	2003	8