LISTA LUCRĂRILOR PROPRII LA CARE FACE REFERIRE
TEZA DE DOCTORAT

Ing. Constantin TĂNASĂ

1. Lucrări ştiinţifice publicate în Reviste indexate ISI

[1]. Bosioc A.I., <u>Tănasă C.,</u> Muntean S. and Susan-Resiga R., Pressure recovery improvement in a conical diffuser with swirling flow using water jet injection, Publishing House of the Romanian Academy, Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Informational Science, Volume 11, Number 3, pp. 245-252, ISSN (Online: www.acad.ro/proceedings.htm):1454-9069, 2010.

[2]. <u>Tănasă C.,</u> Bosioc A.I., Muntean S. and Susan-Resiga R., Flow-feedback control technique for vortex rope mitigation from conical diffuser of hydraulic turbines, Proceedings of the Romanian Academy, Series A: Mathematics, Physics, Technical Sciences, Informational Science, Volume 12, Number 2, pp. 125-132, ISSN (Online: www.acad.ro/proceedings.htm): 1454-9069, 2011.

[3]. Bosioc A.I., Susan-Resiga R., Muntean S. and <u>Tănasă C.,</u> Unsteady Pressure Analysis of Swirling Flow with Vortex Rope and Axial Water Injection Method in a Discharge Cone, Journal of Fluid Engineering (submitted), 2011.

2. Lucrări ştiinţifice publicate în reviste de specialitate (BDI)

[1]. <u>Tănasă C.,</u> Bosioc A.I., Susan-Resiga R. and Muntean S., Flow-Feedback for Pressure Fluctuation Mitigation and Pressure Recovery Improvement in a Conical Diffuser with Swirl, International Journal of Fluid Machinery and Systems, DOI: 10.5293/IJFMS.2011.4.1.047, Vol. 4, No. 1, ISSN (Online: www.ijfms.org): 1882-9554, 2011.

3. Lucrări publicate în volumele unor manifestări ştiinţifice (Proceedings) din străinătate (ţări UE sau comparabile)

[1]. Bosioc A.I., <u>Tănasă C.,</u> Muntean S., Susan-Resiga R., 2D LDV Measurements and Comparison with Axisymmetric Flow Analysis of Swirling Flow in a Simplified Draft Tube, in Proceedings of the 3rd IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Brno, Czech Republic, October 14-16, ISBN (Online: http://khzs.fme.vutbr.cz/iahrwg2009/proceedings.shtml): 978-80-214-3947-4, Vol. II, Paper P6, pp. 551 – 560, 2009.

[2]. Susan-Resiga R., Muntean S., <u>Tănasă C.,</u> Bosioc A.I., Three-Dimensional versus Two-Dimensional Axi-symmetric Analysis for Decelerated Swirling Flows, in Proceedings of the Conference on Modelling Fluid Flow (CMFF'09), September 9-12, Budapest, Hungary, Vol. II, pp. 862 – 869, 2009.

[3]. Bosioc A.I., <u>Tănasă C.,</u> Muntean S., Susan-Resiga R., 2D LDV Measurements of Swirling Flow in a Simplified Draft Tube, in Proceedings of the Conference on Modelling Fluid Flow (CMFF'09), September 9-12, Budapest, Hungary, Vol. II, pp. 833 – 838, 2009.

[4]. <u>Tănasă C.,</u> Susan-Resiga R., Bosioc A. I. and Muntean S., Mitigation of pressure fluctuations in the discharge cone of hydraulic turbines using flow-feedback in 25th IAHR Symposium on Hydraulic Machinery and Systems, Timisoara, Romania (IOP Conf. Series: Earth and Environmental Science 12 012067 doi:10.1088/1755-1315/12/1/012067, www.iop.org), 2010.

[5]. Bosioc A.I., <u>Tănasă C.,</u> Muntean S. and Susan-Resiga R., Unsteady pressure measurements and numerical investigation of the jet control method in a conical diffuser with swirling flow, in 25th IAHR Symposium on Hydraulic Machinery and Systems, Timisoara, Romania (IOP Conf. Series: Earth and Environmental Science 12 012017 doi:10.1088/1755-1315/12/1/012017, www.iop.org), 2010.

[6]. <u>Tănasă C.,</u> Bosioc A., Susan-Resiga R., Muntean S., LDV Experimental Measurements of Swirling Flow using Flow-Feedback Jet Injection Method, Proceedings of he 4th International Meeting on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrade, Serbia, pp. 305-312, ISBN: 978-86-7083-740-9, October 26-28, 2011.

[7]. Bosioc A., <u>Tănasă C.,</u> Susan-Resiga R., Muntean S., Experimental Analysis of Unsteady Velocity in Decelerated Swirling Flows, Proceedings of he 4th International Meeting on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrade, Serbia, pp. 98-105, ISBN: 978-86-7083-740-9, October 26-28, 2011.

[8]. Muntean S., Bosioc A., Stanciu, R., <u>Tănasă C.,</u> Susan-Resiga R., 3D Numerical Analysis of a Swirling Flow Generator, Proceedings of he 4th International Meeting on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrade, Serbia, pp. 106-115, ISBN: 978-86-7083-740-9, October 26-28, 2011.

4. Lucrări publicate în reviste de specialitate de categoria B

[1] <u>Tănasă C.,</u> Bernad S., Susan-Resiga R. and Ersek A., Hemodynamic Analysis of an Abdominal Aortic Aneurysm in Patient Specific Model, Scientific Bulletin of the Polithehnica University of Timisoara, cod CNCSIS 301, ISSN 1224-6077, Tom 54(68), Fascicola 1, pp. 17-22, (Online: http://eng.upt.ro/buletin), 2009.

[2] <u>Tănasă C.,</u> Bosioc A.I., Susan-Resiga R. and Muntean S., Design, numerical analysis and practical implementation of a Flow-Feedback system for conical diffuser with swirling flow, Scientific Bulletin of the Polithehnica University of Timisoara, cod CNCSIS 301, ISSN 1224-6077, Tom 55 (69), Facicola 3, Iss. 2, pp. 1-7, (http://eng.upt.ro/buletin), 2010.