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EDUCATION

- 2014 – 2018 Ph.D. University of Warwick, U. K.
Major: Fluid Mechanics, Rotating flow, Particle image velocimetry
Advisors: Dr. Y.M. Chung & Prof. P.J. Thomas.
- 2009 - 2013 M.Phil. University of Moratuwa, Sri Lanka.
Major: Fluid mechanics (Fluid machinery) .
Advisors: Porf. M.A.R.V. Fernando & Dr. A.G.T. Sugathapala.
- 1999 - 2003 B.Sc.(Hons) Engineering.
University of Peradeniya, Sri Lanka
Major: Production Engineering.

ACADEMIC EMPLOYMENT

- August 2013 - present Senior Lecturer (Grade 11), Department of Mechanical Engineering, The Open University of Sri Lanka
Lecturing areas: Thermodynamics and Fluid Mechanics
- September 2017 – April 2018 Research Assistant, School of Engineering, University of Warwick. U. K
- August 2014 - September 2017 Member of Teaching support staff, School of Engineering, University of Warwick, U. K.
- January 2006 - August 2013 Lecturer (Probationary), The Open University of Sri Lanka, Department of Mechanical Engineering.
Lecturing areas: Thermodynamics and Fluid Mechanics, Engineering Mathematics
- January 2005 – December 2008 Research Assistant, The Open University of Sri Lanka, Department of Mathematics and Philosophy in Engineering.

SCHOLARSHIPS

- 2014 Departmental scholarship for PhD studies for international students - School of Engineering, University of Warwick.
- 2016 Award from Funds for Women graduates in the UK (ffWG).

PUBLICATIONS

MANUSCRIPTS Under review

Atthanayake, I. U., Denissenko, P., Chung, Y.M., & Thomas, P. J., Formation - breakdown cycle of turbulent jets in a rotating fluid. *Journal of Fluid Mechanics*.

RECENT CONFERENCES

Atthanayake I.U., Esfahani, S., Denissenko P., Thomas P.J., Guo, W., Experimental molecular communications in obstacle rich fluids, ACM International Conference on Nanoscale Computing and Communication (NanoCom), Iceland, 11th - 14th September 2018.

Atthanayake, I.U., Denissenko, P., Chung, Y.M., Thomas P.J., Jet in rotating fluid, 12th European Fluid Mechanics Conference, Vienna, Austria, 9th - 13th September 2018.

Denissenko, P., Atthanayake, I.U., Thomas P.J., W. Guo, Turbulent dispersion and molecular communication, 12th European Fluid Mechanics Conference, Vienna, Austria, 9th - 13th September 2018.

Atthanayake, I.U., Denissenko, P., Chung, Y.M., Thomas P.J. Precession of Plumes in the Presence of Background Rotation, EUROMECH-ERCOFTAC Colloquium 589 Turbulent Cascades II, Lyon, France, 5-7 December 2017.

Atthanayake I.U., Denissenko P., Chung Y.M., Thomas P.J, Pulsation of an axisymmetric jet in the presence of background rotation, EUROMECH symposium 590: Turbulent/Non-turbulent interfaces, Imperial College London, London, U.K, 3rd- 5th July 2017.

Atthanayake I.U, Vlaskamp J.H.A., Denissenko P., Chung Y.M., Thorrias P.J, On instability of vortices generated by a free jet flow, in the presence of background rotation, Inaugural UK Fluids Conference, Imperial College London, London, U.K, 7th- 9th September 2016 .

Atthanayake I.U, Vlaskamp J.H.A., Denissenko P., Chung Y.M., Thomas P.J. Dynamic variability of axisymmetric, non-buoyant jet in a rotating reference frame' Flow Measurement Institute Conference, Coventry University, Coventry, U.K. 19th-20th July 2016.

Atthanayaka I.U., Chung Y.M., Thomas P.J., PIV Measurements on Dynamic Variability of an Axisymmetric jet in a rotating reference frame', Annual engineering postgraduate Symposium, University of Warwick, Coventry, U.K. 28th April 2016.

Atthanayake I.U, Vlaskamp J.H.A., Denissenko P., Chung Y.M., Thomas P.J. Dynamic variability of axisymmetric, non-buoyant jet in a rotating reference frame, British Applied Mathematical colloquium, University of Oxford, Oxford, U.K, 5th — 8th April.

2016.

PEER-REVIEWED ARTICLES

Atthanayake I.U, Thusitha sugathapala, Rathne Fernando, Mathematical Model for the Effect of Blade Friction on the Performance of Pelton Turbine, *International Journal of Fluid Machinery and Systems*, 4(4), 2011, ISSN : 1882-9554.

Atthanayake I.U., Analytical Study on Flow through a Pelton Turbine Bucket Using Boundary Layer Theory, International Journal of Engineering & Technology, 9(9), 2009, 241-245, ISSN: 2077-1185.

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REFEREES

Provide upon request.