

Curriculum Vitae

Name: Vasilis A. Riziotis
Place of birth: Athens
Date of birth: 21 October 1971
Organisation: National Technical University of Athens, School of Mechanical Engineering, Fluids Section
Position: Faculty member - Lecturer
Work address: National Technical University of Athens, 9 Heron Polytechniou str., 15780, Zografou, Athens, Greece
Home address: Plataion 32A, 15235, Vrilissia, Athens, Greece
Marital status: Married, with two children

1. Degrees

1994: Diploma in Mechanical Engineering

2003: Ph.D. in Mechanical Engineering

2. Career

1995 - 2003 Research Associate and Ph.D. candidate of Mechanical Engineering School of the National Technical University of Athens (NTUA).

2003 - 2007 Post Doc Researcher in Mechanical Engineering School of NTUA.

2007 - 2010 Research Engineer (permanent staff), in Mechanical Engineering School (Laboratory of Aerodynamics) of NTUA

2011 Lecturer of the Mechanical Engineering school of NTUA

3. Professional and Research Activity

Participation in 23 research projects at NTUA funded by the EU or European industries on rotor aerodynamics and aeroelasticity with applications to wind turbines and rotor equipped aircrafts and helicopters.

4. Publications

4.1. Thesis

1. Riziotis, V.A. (1994) "Investigation of the possibility of modeling stall using vortex methods," Diploma Thesis.
2. Riziotis, V.A. (2003) "Aerodynamic and Aeroelastic analysis of stall on wind turbine rotors," PhD Thesis

4.2. Publications in International Journals

1. Riziotis, V.A., Chaviaropoulos, P.K., Voutsinas, S.G. (1996) "Development of a state-of-art aeroelastic simulator for horizontal axis wind turbines," J. Wind Engineering, Vol 20 (6), pp 423-440.
2. Riziotis, V.A., Voutsinas, S.G. (2000) "Fatigue loads on wind turbines of different control strategies operating in complex terrain," J. of Wind Engineering and Industrial Aerodynamics, 85 (2000), pp 211-240.

3. Riziotis, V.A., Voutsinas, S.G., Politis, E.S., Chaviaropoulos, P.K. (2004) "Aeroelastic stability of wind turbines: the problem the methods and the issue," J Wind Energy, 2004, 7, pp 373-392.
4. Riziotis, V.A., Voutsinas, S.G. (2008) "Dynamic stall modeling on airfoils based on strong viscous-inviscid interaction coupling," J. Numerical Methods in Fluids, 2008, 56, pp 185-208.
5. Riziotis, V.A., Voutsinas, S.G., Politis, E.S., Chaviaropoulos, P.K., (2008) "Assessment of passive instability suppression means on pitch regulated wind turbines," J Wind Energy, 2008, 11, pp 171-192.
6. Riziotis, V.A., Voutsinas, S.G., Politis, E.S., Chaviaropoulos, P.K., (2008) "Stability analysis of pitch regulated, variable-speed wind turbines in closed loop operation using a linear eigenvalue approach," J Wind Energy, 2008, 11, pp 517-535.
7. Madsen, H.A., Riziotis, V., Zahle, F., Hansen, M.O.L, Snel, H., Grasso, F., Larsen, T.J., Politis, E., Rasmussen, F., (2012) "BEM modelling of inflow with shear in comparison with advanced model results," J Wind Energy, vol. 15 , issue 1, pp. 63-81

4.3. Chapters in Books and Lecture series

- 1) S.G. Voutsinas, V.A. Riziotis
 - "Structural modeling and dynamics"
 - "Aeroelastic modeling of wind turbines"
 - "Stability analysis and control"
 - "Certification of wind turbines"

"Wind Turbine Aerodynamics: a state-of-the-art," von Karman Institute for Fluid Dynamics, Belgium, Lecture Series 2007-05, edited by J.F. Brouckaert, ISBN 13 978-2-930389-75-3

- 2) V.A. Riziotis, Madsen, H.A., "Aeroelasticity and structural dynamics of wind turbines"

"Wind Energy Systems: Optimising design and construction for safe and reliable operation", edited by J.D. Soerensen and J. N. Soerensen, Woodhead Energy Series No. 10, ISBN 13 978-1-84569-580-4.