

## CURRICULUM VITAE

**NAME:** Dr. Agis Spentzos

E-MAIL: agls@yahoo.com

DATE OF BIRTH: 12-01-1969

PLACE OF BIRTH: Athens, Greece

CITIZENSHIP: Hellenic

### **EDUCATION:**

Sept. 2002 - Dec. 2005

Ph.D., University of Glasgow, Department of Aerospace Engineering, Glasgow, UK.

Thesis Title: Computational Fluid Dynamics Modelling of Three Dimensional Dynamic Stall.

Funding Body: EPSRC.

Sept. 1996 - Sept. 1999

Ph.D., UMIST, Dept. Mech. Eng.,

Division of Thermodynamics and Fluid Mechanics, Manchester, UK.

Thesis Title: Linear Stability of the Navier-Stokes Equations for Low Reynolds Number Flows.

(Unfinished project due to problems involving funding and supervision).

Sept. 1993 - July. 1996

BEng in Aerospace Eng., UMIST Manchester, UK

Sept. 1987 - July 1992

Department of Physics, Aristotle's University of Thessaloniki, Thessaloniki, Greece

### **PROFESSIONAL EXPERIENCE:**

Sept. 2002 - Dec. 2005

Part-time tutor in the University of Glasgow on the subjects of Thermodynamics, Mathematics and Programming.

May 2000 - August 2002

Nuclear Safety Analyst, BNFL Magnox Generation, Berkeley-Bristol  
Work area: Safety analysis studies using CFD & heat transfer tools for flow predictions in the core of gas (CO<sub>2</sub>) cooled Magnox nuclear reactors.

Dec. 1997 - Mar. 2000

Lab demonstrator in UMIST on the subject of Thermodynamics.

## **PUBLICATIONS:**

### **Journal Papers:**

Spentzos A. *et al.*, 'CFD Investigation of 2D and 3D Dynamic Stall', AIAA Journal, 34(5), 1023-1033, May 2005.

Spentzos A. *et al.*, 'Study of Three-Dimensional Dynamic Stall of Various Planform Shapes', Submitted to Aerospace Science and Technology Journal, January 2005, 60 manuscript pages.

Spentzos A. and G. Barakos, 'Modelling 3D Dynamic Stall using CFD and Neural Networks', invited paper, submitted for publication, IMechE Journal of Aerospace Engineering, Part G, 40 manuscript pages.

### **Papers in Conference Proceedings:**

Spentzos A. and Barakos G., 'Modelling 3D Dynamic Stall Using Experimental and CFD Data', AIAA paper 2006-45484, to be presented at the 44th Aerospace Sciences Meeting and Exhibit, Reno Nevada, USA, January 2006.

Spentzos A., Barakos G., Badcock K., Richards B., 'Numerical Investigation of 3D Dynamic Stall in Rotation Using CFD and Neural Networks', presented at the 31st European Rotorcraft Forum, Florence, Italy, Sept. 13-15 2005.

Spentzos A., Barakos G., Badcock K., Richards B., 'Numerical Simulation of 3D Dynamic Stall using Neural Networks and CFD', presented at the "Integrating CFD and Experiments in Aerodynamics" international symposium, Cranfield University, Defence Academy Shrivenham, Sept. 2005.

Spentzos A., Barakos G., Badcock K., Richards B., CFD Study of 3D Dynamic Stall, AIAA Paper AIAA-2005-1107, 43rd AIAA Aerospace Sciences Meeting and Exhibit, Reno Nevada, Jan. 10-13, 2005.

Spentzos A., Barakos G., Badcock K., Richards B., 'CFD Study of Three-Dimensional Dynamic Stall of Various Planform Shapes', presented at the 30th European Rotorcraft Forum, Marseilles, France, Sept. 14-16 2004.

Spentzos A. and Barakos G., 'CFD Study of 2D Dynamic Stall of Various Planform Shapes', presented at the Burn Helicopter Study Weekend, Angus, April 2004

Spentzos A., Barakos G., Badcock K., Richards B., Wernert P., Schreck S. and Raffel M., CFD Investigation of 2D and 3D Dynamic Stall, presented at the AHS 4th Decennial Specialist's Conference on Aeromechanics, San Francisco, California, Jan. 21-23, 2004, Also, Report N. 801/2004, French-German Research Institute of Saint Louis, ISL

Spentzos A., Barakos G., Badcock K. and Schreck S., 'Numerical Simulation of 3D Dynamic Stall', presented at the "Integrating CFD and Experiments in Aerodynamics" international symposium, Glasgow, 8-9 September 2003.

Spentzos A., Barakos G., Badcock K. and Richards B., 'CFD Study of Three-Dimensional Dynamic Stall', presented at the 12th Scottish Fluid Mechanics Conference, Dundee University, Dundee, Oct. 2003 \\

Spentzos A. and Barakos G., 'CFD Study of Three-Dimensional Dynamic Stall', presented at the Burn Helicopter Study Weekend, Angus, April 2003

Spentzos, A. & Drikakis, D. 'Study of Flow Stability Using Direct Numerical Simulation of the Disturbance Equations' The Institute of mathematics & its Applications Conference Series, University of Salford, Sept. 1998