

# Oubay Hassan

---

School of Engineering  
University of Swansea  
Swansea SA2 8PP, UK

Phone:(+44)(0)1792295251  
Fax: :(+44)(0)1792295676  
e-mail: o.Hassan@swansea.ac.uk

## ***Current position***

---

Professor, Civil Engineering Program Director

## ***Education***

---

BSc, MSc, PhD

## ***Research interests***

---

Mesh Generation  
Parallel Computing  
Computational electromagnetics  
Computational aerodynamics

## ***Career***

---

1983-1985: Assistant Lecturer, Department of Civil Engineering, University of Damascus, Syria.  
1989 – 1994: Principal Research Engineer, CDR Ltd, Innovation Centre, Swansea, UK.  
1991: Visiting Scientist, Aerothermal Loads Branch, NASA Langley Research Center, Virginia, USA.  
1994 - Present: Professor, Department of Civil Engineering, University of Wales Swansea, UK

## ***Honors and awards***

---

MBE

## ***Refereed papers and chapters in books***

---

### ***Total number of publications: 201***

Academic journals: 53  
Invited chapters in books: 24  
Published lecture notes: 4  
Invited conference articles: 30  
Refereed conference articles: 90

## ***Selected publications (max. 5)***

---

M. El hachemi, O. Hassan, K. Morgan, and N. P. Weatherill, '3D time domain computational electromagnetics using a H1 finite element method and hybrid unstructured meshes'. Computational Fluid Dynamics Journal, 13:55–66, 2004.

U. Tremel, F. Deister, O. Hassan and N.P. Weatherill, 'Automatic Unstructured Surface Mesh Generation For Complex Configurations', International Journal for Numerical Methods in Fluids, 45:341-364, 2004.

P.D. Ledger, J. Peraire, K. Morgan, O. Hassan and N.P. Weatherill, 'Adaptive hp-adaptive finite element computations of the scattering width output of Maxwell's equations', International Journal for Numerical Methods in Fluids, 43:953-978, 2003.

K.A. Sorensen, O. Hassan, K. Morgan, and N. P. Weatherill 'A multigrid accelerated time-accurate inviscid compressible fluid flow solution algorithm employing mesh movement and local remeshing', International Journal for Numerical methods in Fluids, 45:517-536, 2003.

N. P. Weatherill, O. Hassan, K. Morgan, J. W. Jones, B. G. Larwood, and K. A. Sørensen 'Aerospace simulations on parallel computers using unstructured grids', International Journal for Numerical Methods in Fluids, 40:171–187, 2002.

***Other relevant information***

---