

# Curriculum Vitae

John Butler

## Personal Details

**Name :** John Butler  
**Date of Birth :** 27<sup>th</sup> August, 1977  
**Nationality :** Irish

## Academic Record

### Undergraduate:

**October 1995 – July 1999:** Obtained a B.A. (Hons.) in Mathematics at Trinity College Dublin, Dublin 2, Ireland.

### Postgraduate:

**October 1999 - September 2000:** Obtained an M.Sc. in High Performance Computing at the Department of Mathematics, Trinity College Dublin, Dublin 2, Ireland.

**October 2000 – September 2001, October 2002 – October 2004:** Ph.D. at the Department of Mathematics, Trinity College Dublin, Dublin 2, Ireland.

Title of thesis : “A Reynolds uniform method for various Prandtl’s boundary layer problems.”

**December 2003 – January 2004:** Visiting research student, Singapore University.

## Teaching Activities

**January 2005 - June 2005 :** Trinity College Dublin,  
Part-time Lecturer of Numerical Analysis, details can be found at  
<http://www.maths.tcd.ie/~butler/161.html>.

**October 2002 - October 2003, October 2004- August 2005 :** DIT Kevin St,  
Part-time Lecturer of an MSc. course in Numerical Analysis, details can be found at  
<http://www.maths.tcd.ie/~butler/dit.html>.

**October 2004- August 2005 :** Trinity College Dublin,  
Part-time Lecturer of the Trinity Access Program

**October 2004- August 2005 :** Dublin Tutorial center,  
Part-time Tutor of GCSE and A-level Maths.

**October 2002 - October 2004 :** DIT Angier St  
Lecturer to undergraduate Marketing students in Internet applications.

**October 2002 - June 2004 :** Trinity College Dublin  
Voluntary tutor of leaving certificate students.

**October 1999 - June 2001, October 2003 - June 2004 :** Trinity College Dublin  
Teaching Assistant for a second year course in Numerical Analysis.

**October 1999 - June 2001, October 2002 - June 2004 :** Trinity College Dublin  
Mathematics tutor for all years of Engineering.

## Conferences and Seminars

Chairperson and co-founder of the maths Post-grad seminar series.

Details can be found on <http://www.maths.tcd.ie/~butler/seminars.html>.

**“A Reynolds–uniform method for Prandtl’s boundary layer problem for flow past a plate with mass transfer.”**

- Biennial Conferences on Numerical Analysis, University of Dundee, 2003

- Workshop on Numerical Methods for Singularly Perturbed Differential Equations, University of Limerick, 2003.

**“A Reynolds–uniform method for Prandtl’s boundary layer problem for flow past a wedge.”**

- ECCOMAS CFD 2001, Swansea.

- First SIAM Conference on Computational Science and Engineering, 2000, Washington DC.

**“A Reynolds and Prandtl uniform numerical method for Prandtl’s boundary layer problem for flow past a wedge with heat transfer”**

- ISSEC 2004, Limerick.

## Publications

J. S. Butler, J.J.H. Miller, G.I. Shishkin, **“A Reynolds–uniform method for Prandtl’s boundary layer problem for flow past a wedge”**, International Journal for Numerical methods in Fluids; 43:903-913.

J.S. Butler, J.J.H. Miller, G.I. Shishkin. **“A Reynolds-uniform numerical method for Prandtl’s boundary layer problem for flow past a plate with mass transfer”**, Recent Advances in Computational Science & Engineering, Eds. H.P. Lee, K. Kumar, Imperial College Press, 2002, 733-737. - submitted to Journal of Computational Methods in Sciences and Engineering.

## Conference Proceedings

J. S. Butler, J.J.H. Miller, G.I. Shishkin, **“A Reynolds uniform numerical method for Prandtl’s boundary layer problem for flow past a three dimensional yawed wedge”**, WCCM VI with APCOM 2004.

“J. S. Butler, J.J.H. Miller, G.I. Shishkin, **“A Reynolds and Prandtl uniform numerical method for Prandtl’s boundary layer problem for flow past a wedge with heat transfer”**, BAIL 2004.

## References

<b>Prof. J J H Miller,</b> Trinity College Dublin, Dublin 2, Ireland	<b>Dr. S Ryan,</b> Trinity College Dublin, Dublin 2, Ireland	<b>Mary Faulkner,</b> Graduate Business School DIT, Kevin St Dublin 2
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