

# Roland W Lewis

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## ***Current position***

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Professor, University of Wales, 1984- present.

## ***Education***

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BSc, PhD, DSc (Wales )

## ***Research interests***

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Simulation of flow and solidification in castings,  
Heat and Mass transfer in porous bodies,  
Consolidation and flow in porous materials,  
Compaction of particulate materials.

## ***Career***

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Professor 1984, Head of Mechanical Engineering Department 1996-2002.

## ***Honors and awards***

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Fellow of the Royal Academy of Engineering 1997.  
Computational Mechanics Award 2002.  
Fellow of IACM 2002.  
Honorary Professor;  
Dalian University of Technology, China 1999.  
Nanyang University of technology, Singapore 2003.  
University of Pretoria, South Africa 2004.

## ***Professional activities***

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Editor;  
International Journal of Numerical Methods in Engineering.  
Communications in Numerical Methods in Engineering.  
International Journal for Numerical Methods in Heat and Fluid Flow.  
Editorial Board;  
Twelve International Journals.

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

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210 Journal papers, 180 Conference papers, 6 textbooks, Editor of 8 textbooks, Editor of 14 Conference Proceedings.

## ***Summary of journal publications***

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<b>Journal</b>	<b>Impact factor</b>	<b>Number of papers</b>
International Journal for Numerical Methods in Engineering	1.691	29
Computer Methods in Applied Mechanics and Engineering	1.252	14
International Journal for Numerical Methods in Geomechanics	0.570	14
Other indexed journals		153
Other papers in refereed journals		

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

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R.W. Lewis & B.A. Schrefler., "The Finite Element Method in the Static and Dynamic Deformation and Consolidation of Porous Media " John Wiley & Sons, Chichester 1998.

R.W. Lewis, P. Nithiarasu & K.N. Seetharamu., " The Finite Element Method in Heat and Fluid Flow ", John Wiley & Sons, Chichester, 2004.

R.W. Lewis, K. Morgan, H.R. Thomas & K.N. Seetharamu., " The Finite Element Method in Heat Transfer Analysis " John Wiley & Sons, Chichester, 1996.

R.W. Lewis & B.A. Schrefler " The Finite Element Method in the Deformation and Consolidation of Porous Media " John Wiley & Sons, 1987.

### ***Other relevant information***

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Organiser or Co- Organiser, of fourteen international conferences.

Member of the Scientific Committee's of numerous conferences.