



Iain Haslam

MSci (Nottingham)

General Manager & Senior Software Engineer

Profile

Iain Haslam has over a decade's experience developing commercial numerical models for engineering analysis. Since joining LimitState Ltd in 2008, he has been applying this experience to the development of geotechnical and masonry arch analysis tools, including an emphasis on rigorous automated validation and verification.

At Golder Associates he led a small software development team responsible for the design and development of several models for environmental simulation and risk management. He also contributed to tools for oil-field characterization, and managed projects using numerical models for clients across the UK.

He has also contributed to a simulation of a nuclear reactor containment vessel for a consultancy and developed real-time control and instrumentation systems at several UK power stations.

Employment

- General Manager / Senior Software Engineer, LimitState Ltd, 2008-present.
- Research Associate, University of Durham, 2005-2008.
- Environmental Systems Modeller, Golder Associates, 2001-2005.
- Software Engineer, Capula Ltd, 1999-2001.

Education

- MSci Physics, University of Nottingham, 1999.

Selected Published Software

- LimitState:GEO geotechnical analysis software
- LimitState:RING masonry arch analysis software
- ConSim groundwater contaminant transport software
- LandSim modelling of contaminant transport from landfill
- GasSim landfill gas generation and transport analysis software
- Wrate-LCA life cycle assessment for waste management

Selected Publications

- **Haslam, I.W.**, Crouch, R.S. and Seaid, M., Coupled Finite Element-Lattice Boltzmann Analysis, *Computer Methods in Applied Mechanics and Engineering* (197), pp. 4505-4511, 2008.
- Gilbert M., Smith, C.C., **Haslam, I.W.** and Pritchard, T.J., Application of discontinuity layout optimization to geotechnical limit analysis problems. *In Proc. 7th European Conference in Numerical Methods in Geotechnical Engineering*, Trondheim, 2010.



analysis & design software for engineers

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