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Qualifications

1980	PhD	University of Birmingham, England	Computational Algebra
1969	MSc	University of Bristol, England	Mathematical Logic
1968	BSc	University of Reading, England	Mathematics

Other positions

Cooperating Professor
Department of Mathematics
University of Maine

Honorary Professorial Fellow
Department of Geomatics
University of Melbourne, Australia

Selected relevant publications

Books

Worboys, M.F. and Duckham, M., *Geographic Information Systems: A Computing Perspective (2nd Edition)*, CRC Press, Boca Raton, Florida, ISBN: 0415283752, 2004.

Hornsby, K.H. and Worboys, M.F., *Event-oriented approaches in geographic information science*, (A special issue of *Spatial Cognition and Computation* 4(1)), Lawrence Erlbaum, Mahwah, NJ, ISBN: 0-8058-9531-0, 2004.

Duckham, M, Goodchild, M., Worboys, M.F. (editors), *Foundations of Geographic Information Science*, Taylor and Francis, London, 2003.

Refereed research papers

Worboys, M.F. and Duckham, M. Monitoring qualitative spatial change for geosensor networks. *International Journal of Geographic Information Science*, 20(10), 1087-1108, 2006.

Galton, A. and Worboys, M.F. Processes and events in dynamic geospatial networks. In M.A. Rodriguez, I.F. Cruz, M.J. Egenhofer, and S. Levashkin, editors, *Proceedings of First International Conference on Geospatial Semantics*, volume 3799 of *Lecture Notes in Computer Science*, pages 45–59. Springer, 2005.

Duckham, M., Nittel, S. and Worboys, M. Monitoring Dynamic Spatial Fields Using Responsive Geosensor Networks. In Shahabi, C. and Boucelma, O. (eds) *ACM GIS 2005*, ACM Press, pp. 51-60, 2005.

Worboys, M.F. Event-oriented approaches to geographic phenomena. *International Journal of Geographic Information Science*, 19(1):1-28, 2005.

Worboys, M.F. and Hornsby, K., From objects to events: GEM, the geospatial event model, *Third International Conference on GIScience 2004*, M. Egenhofer, C. Freksa, H. Miller (eds.), Lecture Notes in Computer Science 3234, Berlin: SpringerVerlag, pp. 327-344, 2004.

Duckham, M., Kulik, L. and Worboys, M., Imprecise navigation, *GeoInformatica* 7:2, 79-94, 2003.

Griffiths, T., Fernandes, A. Paton,, N., Jeong, S.-H., Djafri, N., Mason, K.T., Huang, B., and Worboys, M., TRIPOD: A Spatio-Historical Object Database System, in Ladner, R., Shaw, K. and Abdelguerfi, L. (eds.) *Mining Spatio-Temporal Information Systems*, Amsterdam: Kluwer Academic Publishers, pp. 127-146, ISBN 1-4020-7170-1, 2002.

Raubal, M. and Worboys, M.F., A formal model of the process of wayfinding in built environments, in *Proceedings of the International Conference on Spatial Information Theory*, Stade, Germany, Freksa, C. and Mark, D.M. (eds.), Springer Verlag, Lecture Notes in Computer Science 1661, pp. 381-401, 1999.

Story, P. A. and Worboys, M. F., A design support environment for spatio-temporal database applications, in *Proceedings of the Conference on Spatial Information Theory*, Vienna, Frank, A.U., Kuhn, W., Mark, D.M. (eds.), Springer Verlag, ISBN 3540603921, pp. 413-430, 1995.

Worboys, M. F., A Unified Model of Spatial and Temporal Information, *Computer Journal*, 37(1), pp. 26-34, 1994.

Recent research awards and contracts

M. Worboys, S. Nittel, National Science Foundation, Research Grant IIS-0534429, Monitoring dynamic spatial fields using responsive geosensor networks, 2006-2009.

M. Worboys, Ordnance Survey of Great Britain, for research with Oracle Inc. to develop a spatio-temporal data model, 2005-7.

K. Beard, R. Lad, R. Smith, J. Vetelino, M. Worboys, National Science Foundation, Research Grant DGE-0504494, IGERT, Sensor Science, Engineering, and Informatics, 2005-2010.

K. Beard, A. Stefanidis, N. Pettigrew, M. Worboys, National Science Foundation, Research Grant IIS-0429644, Information Integration through Events, 2004-2007.

Membership of Professional Societies

Distinguished Scientist of the Association for Computing Machinery

Member of the London Mathematical Society

Editorial Boards

Oxford University Press Spatial Information Science Series.

International Journal of Geographical Information Systems, Taylor and Francis.

Transactions on GIS, Longmans.

GeoInformatica, Kluwer.

Computers in Environmental and Urban Systems, Pergamon Press.