

Resume

Michael Batty
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Dr. Michael Batty is Bartlett Professor of Planning at University College London where he directs the Centre for Advanced Spatial Analysis (CASA).

From 1990 to 1995, he was Director of the NSF National Center for Geographic Information and Analysis (NCGIA) in the State University of New York at Buffalo. From 1979 until 1990, he was Professor of City and Regional Planning in the University of Wales at Cardiff where he acted as the Dean of the School of Environmental Design (1983-1986) and Head of the Department (1985-1989). His early career was as an Assistant Lecturer at the University of Manchester (1966-1969) and as a Research Assistant, Lecturer, then Reader at the University of Reading (1969-1979). He has held several visiting appointments in computing, engineering, planning, and geography at the Universities of Illinois, Melbourne, Hong Kong, Bristol, and Michigan.

His research work involves the development of computer models of cities and regions, and he has published many books and articles in this area, the most recent being **Cities and Complexity** (MIT Press, Cambridge, MA, 2005) and an edited volume **GIS, Spatial Analysis and Modeling** (ESRI Press, Redlands, CA, 2005). He is editor of the journal **Environment and Planning B: Planning and Design**. The work of his group can be seen on the web site <http://www.casa.ucl.ac.uk/> and at <http://www.casabook.com/>. He has received various honours for his work. In 1999, he was awarded the Sir George Back Award by the Royal Geographical Society for 'contributions to national policy and practice in planning and city design', the Association of Geographic Information Award for Technological Progress (1998) and for Innovation (2002). He was made a Fellow of the British Academy in 2001. He was awarded a CBE in the Queen's Birthday Honours in June 2004 for 'services to geography'.

Recent and Forthcoming Publications

Batty, M. (2008) Hierarchy, Scale, and Complexity in Urban Design, in T. Haas (Editor) **New Urbanism and Beyond: Contemporary and Future Trends in Urban Design**, Rizzoli, New York, forthcoming.

Batty, M. (2007) Model Cities, **Town Planning Review**, forthcoming.

Xie, Y., Batty, M. and Zhao, K. (2007) Simulating Emergent Urban Form Using Agent-Based Modeling: Desakota in the Suzhou-Wuxian Region in China, **Annals of the Association of American Geographers**, forthcoming.

Batty, M., Barros, J., and Junior, S. A. (2006) Cities: Continuity, Transformation and Emergence, In E. Garnsey and J. McGlade (Editors) **Complexity and Co-Evolution: Continuity and Change in Socio-Economic Systems**, Edward Elgar, Cheltenham UK, pp. 61-76.

Batty, M. (2006) Information Technology, in Ian Douglas, Richard Huggett, and Chris Perkins (Editors) **Companion Encyclopedia of Geography: From Local to Global**, Routledge, London, pp. 245-264.

Batty, M. (2006) Rank Clocks, **Nature**, 444, 592-596.

Carvalho, R. and Batty, M. (2006) The Geography of Scientific Productivity: Scaling in US Computer Science, **Journal of Statistical Mechanics**, 10, P10012, 1-11.