

CHAOMEI CHEN

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EDUCATION	Ph.D. in Computer Science	1995	University of Liverpool	UK
	M.Sc. in Computation	1991	Oxford University	UK
	B.Sc. in Mathematics	1983	Nankai University	China

ACADEMIC APPOINTMENTS

ASSOCIATE PROFESSOR (2001 - PRESENT)

College of Information Science and Technology, Drexel University, Philadelphia, USA

VISITING PROFESSOR (2003 - PRESENT)

Department of Information Systems and Computing, Brunel University, Uxbridge, UK

READER (2000-2001)

Department of Information Systems and Computing, Brunel University, Uxbridge, UK

FOUNDING DIRECTOR (2000 - 2001)

VIVID Research Centre, Brunel University, Uxbridge, UK

LECTURER (1997 - 2000)

Department of Information Systems and Computing, Brunel University, Uxbridge, UK

LECTURER (1995 - 1997)

Department of Computer Studies, Glasgow Caledonian University, Glasgow, UK

TEN REPRESENTATIVE PUBLICATIONS

1. Chen, C. 2005. "Top 10 unsolved information visualization problems." *IEEE Computer Graphics and Applications* 25:12-16.
2. Chen, C. 2004. "Searching for intellectual turning points: Progressive Knowledge Domain Visualization." *Proc. Natl. Acad. Sci. USA* 101:5303-5310.
3. Chen, C. 2004. *Information Visualization: Beyond the Horizon*. London: Springer.
4. Chen, C. and Morris, S. 2003. "Visualizing evolving networks: Minimum spanning trees versus Pathfinder networks." Pp. 67-74 in *IEEE Symposium on Information Visualization*. Seattle, Washington: IEEE Computer Society Press.
5. Chen, C. and J. Kuljis. 2003. "The rising landscape: A visual exploration of superstring revolutions in physics." *Journal of the American Society for Information Science and Technology* 54:435-446.
6. Chen, C. 2003. *Mapping Scientific Frontiers: The Quest for Knowledge Visualization*. London: Springer.
7. Chen, C., T. Cribbin, R. Macredie, and S. Morar. 2002. "Visualizing and tracking the growth of competing paradigms: Two case studies." *Journal of the American Society for Information Science and Technology* 53:678-689.
8. Chen, C. and R. J. Paul. 2001. "Visualizing a knowledge domain's intellectual structure." *Computer* 34:65-71.
9. Chen, C. 1999. "Visualising semantic spaces and author co-citation networks in digital libraries." *Information Processing and Management* 35:401-420.

10. Chen, C. and R. Rada. 1996. "Interacting with hypertext: A meta-analysis of experimental studies." *Human-Computer Interaction* 11:125-156.

SYNERGISTIC ACTIVITIES

- Editor-in-Chief and Founder: *Information Visualization*, Palgrave-Macmillan.
- Symposium Chair and Founder: Knowledge Domain Visualization (KDViz) (2002-2005)
- Workshop Co-Chair: IEEE Visualization, Seattle, WA. (2003)
- Grant Proposal Review Panelist: NSF CISE IDM, Engineering and Physical Sciences Research Council (UK), Library and Information Commission (UK).

RESEARCH GRANTS

- 2005-2006: *Predictive syndromic surveillance system*. Sponsor: DoD. \$380,000. Co-PI.
- 2004-2004: *Knowledge discovery with information visualization*. Sponsor: IBM SUR. Co-PI.
- 2003-2004: *Visualizing intellectual structures*. Sponsor: UNSW (Australia) AZ\$19,500. Co-PI.
- 2002-2003: *Tracing the transfer of knowledge*. Sponsor: ISI/ASIST (USA) \$3,000. PI.
- 2001-2004: *Human factors in the design of adaptive hypermedia systems*. Sponsor: EPSRC (UK) £62,953. Co-PI.
- 1999-2001: *Distributed virtual training environments*. Sponsor: European Commission. €13,032. PI.
- 1999-2001: *Effects of spatial-semantic interfaces in visual information retrieval*. Sponsor: Library and Information Commission (UK) £51,295. PI.
- 1997-1999: *A development and evaluation testbed for structuring and visualizing large hypermedia*. Sponsor: Engineering and Physical Sciences Research Council (EPSRC) (UK) £65,295. PI.
- 1997-1998: *Developing a collaborative virtual environment based on spatial analysis and virtual reality modeling*. Sponsor: BRIEF Research Initiative & Enterprise Fund (UK) £9,500. PI.

COLLABORATORS

McMillan, S., Breen, D., Regli, W., White, H., Lin, X., Hash, H. (Drexel University). Börner, K. (Indiana University). Boyack, K. (Sandia National Laboratory). Hicks, D. (Georgia Tech, USA). Morris, S. (Oklahoma State University). Lerner, F. (NCPTSD). Small, H. (ISI). Rada, R. (UMBC).

ADVISORS

Ph.D. Advisor: Roy Rada (University of Maryland, USA).
M.Sc. Advisor: Joseph Goguen (UCSD, USA).