Bibliography

Abdelmoty, A.I., Smart, P.D., Jones, C.B., Fu, G. and Finch, D. (2005). "A Critical Evaluation of Ontology Languages for Geographic Information Retrieval on the Internet", *Journal of Visual Languages and Computing*, 16(4): 331–358.

Abolhassani, M., Fuhr, N. and Govert, N. (2003). "Information Extraction and Automatic Markup for XML Documents", *Intelligent Search on XML Data*. Eds. H. Blanken et al. Berlin: Springer, 159–174.

Agarwal, P., Bera, R. and Claramunt, C. (2006). "A Social and Spatial Network Approach to the Investigation of Research Communities over the World Wide Web", *4th International Conference on Geographic Information Science, Münster, Germany (LNCS, Vol 4197)*. Eds. H. Miller et al. Berlin: Springer, 1–17.

Ahuja, S., Carriero, N. and Gelernter, D. (1986). "Linda and Friends", *IEEE Computer*, 19(8): 26–34.

AirBase (2005). *The European Air Quality Measurements Database*, EEA-ETC/ACC. http://air-climate.eionet.europa.eu/databases/airbase/.

Aitken, S.C. (2002). "Public Participation, Technological Discourses and the Scale of GIS", *Community Participation and Geographic Information Systems*. Eds. W. J. Craig et al. New York: Taylor and Francis, 357–366.

Aleman-Meza, B., Halaschek-Wiener, C., Budak Arpinar I., Ramakrishnan, C. and Sheth, A. (2005). "Ranking Complex Relationships on the Semantic Web", *IEEE Internet Computing*, 9(3): 37–44.

Amann, M., Bertok, I., Cofala, J., Gyarfas, F., Heyes, C., Klimont, Z., Schöpp, W. and Winiwarter, W. (2005)."Baseline Scenarios for the Clean Air for Europe (CAFE) Programme", *CAFE Scenario Analysis Report No. 1*. Laxenburg: International Institute for Applied Systems Analysis. http://ec.europa.eu/environment/-air/cafe/activities/pdf/cafe_scenario_report_1.pdf.

Amitay, E., Har'El, N., Sivan, R. and Soffer, A. (2004). "Web-a-Where: Geotagging Web Content", *27th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*. Sheffield, UK: ACM Press, 273–280.

Andrews, K., Guetl, C., Moser, J., Sabol, V. and Lackner, W. (2001). "Search Result Visualisation with xFIND", *Second International Workshop on User Interfaces to Data Intensive Systems (UIDIS 2001)*. Zurich: IEEE Press, 50–58.

Annoni, A., Atkinson, M., Denzer, R., Hecht, L., Millot, M., Pichler, G., Sassen, A.-M., Couturier, M., Alegre, C., Sassier, H., Coene, Y. and Marchetti, P. G. (2005a). "Towards an Open Disaster Risk Management Service Architecture for INSPIRE and GMES", *European Commission*, (9). http://www.eu-orchestra.org/docs/20050223_White Paper_v9.pdf.

Annoni, A., Bernard, L., Douglas, J., Greenwood, J., Laiz, I., Lloyd, M., Sabeur, Z., Sassen, A.-M., Serrano, J. and Usländer, T. (2005b). "Orchestra: Developing a Unified Open Architecture for Risk Management Applications", *1st International Symposium on Geo-Information for Disaster Management, Delft, The Netherlands*. Ed. P. van Oosterom. Berlin: Springer, 1–18.

Anyanwu, K. and Sheth, A. (2003). "The ρ Operator: Discovering and Ranking Associations on the Semantic Web", *12th International World Wide Web Conference (WWW-2003)*, Budapest, Hungary, 690–699.

Arpinar, B., Sheth, A., Ramakrishnan, C., Usery, L., Azami, M. and Kwan, M.-P. (2006). "Geospatial Ontology Development and Semantic Analytics", *Transactions in GIS,* 10(4): 551–575.

Arroyo, S., Lara, R., Gomez, J.M., Berka, D., Ding, Y. and Fensel, D. (2004). "Semantic Aspects of Web Services", *Practical Handbook of Internet Computing.* Ed. M. P. Singh. Baton Rouge, LA: Chapman Hall and CRC Press, 31/1–31-17.

Assfalg, R., Goebels, U. and Welter, H. (1998). *Internet Datenbanken, Konzepte, Methoden, Werkzeuge.* Bonn: Addison-Wesley-Longmann.

Auto-Oil II Programme: Air Quality Report (2000). "Final Version 7.1. Report of the Working Group 1 on Environmental Objectives", *Directorate General of the Environment.* http://autooil.jrc.cec.eu.int/finalaq.htm.

Baccino, T., and Pynte, J. (1994). "Spatial Coding and Discourse Models during Text Reading", *Language and Cognitive Processes,* 9(2): 143–155.

Baeza-Yates, R.A. and Ribeiro-Neto, B.A. (1999). *Modern Information Retrieval.* Harlow: ACM Press/Addison-Wesley.

Baldzer, J., Boll, S., Klante, P., Krösche, J., Meyer, J., Rump, N. and Scherp, A. (2004). "Location-Aware Mobile Multimedia Applications on the Niccimon Platform", *2. Braunschweiger Symposium - Informationssysteme für mobile Anwendungen (IMA-2004),* Brunswick, Germany, 318–334.

Batty, M. (2004). "Distance in Space Syntax", *Working Paper, no. 80.* Centre for Advanced Spatial Analysis (UCL). London.

Bebout, B.M., Carpenter, S.P., Des Marais, D.J., Discipulo, M., Embaye, T., Garcia-Pichel, F., Hoehler, T.M., Hogan, M., Jahnke, L.L., Keller, R.M., Miller, S.R., Prufert-Bebout, L.E., Raleigh, C., Rothrock, M. and Turk, K. (2002). "Long Term Manipulations of Intact Microbial Mat Communities in a Greenhouse Collaboratory: Simulating Earth's Present and Past Field Environments", *Astrobiology,* 2: 383–402.

Beier, R. and Doppelfeld, A. (1999). "Spatial Interpolation and Representativeness of Air Quality Data – an Intuitive Approach", *International Conference – Air Quality in Europe: Challenges for the 2000s.* Venice, Italy.

Bekkerman, R. and McCallum, A. (2005). "Disambiguating Web Appearances of People in a Social Network", *14th International Conference on World Wide Web.* Chiba, Japan: ACM Press, 463–470.

Bell, B. (2006). Vienna Marking Mozart Milestone. *BBC News.* London. http://news.bbc.co.uk/2/hi/entertainment/4654880.stm.

Benjamins, R., Contreras, J., Corcho, O. and Gómez-Pérez, A. (2004). "Six Challenges for the Semantic Web", *AIS SIGSEMIS Bulletin,* 1(1): 24–25.

Bennet, B. (2001). "Application of Supervaluation Semantics to Vaguely Defined Spatial Concepts, Spatial Information Theory: Foundations of Geographic Information Science", *Conference on Spatial Information Theory, Morro Bay, CA (LNCS, Vol. 2205).* Ed. D.R. Montello. New York: Springer, 108–123.

Bennett, B. (1996). "The Application of Qualitative Spatial Reasoning to {GIS}", *1st International Conference on GeoComputation*. Ed. R.J. Abrahart. Leeds, UK, 44–47.

Béra, R. and Claramunt, C. (2003). "Relative Adjacencies in Spatial Pseudo-partitions", *Conference on Spatial Information Theory (COSIT-2003), Ittingen, Switzerland (LNCS, Vol. 2825)*. Eds. W. Kuhn et al. 218–234.

Bernard, L., Einspanier, U., Haubrock, S., Hubner, S., Kuhn, W., Lessing, R., Lutz, M. and Visser, U. (2003). "Ontologies for Intelligent Search and Semantic Translation in Spatial Data Infrastructures", *Photogrammetrie – Fernerkundung – Geoinformation*, 6: 451–462.

Berners-Lee, J., Hendler, J. and Lassila, O. (2001). "The Semantic Web", *Scientific American*, 184(5): 34–43.

Berrios, D.C., Sierhuis, M. and Keller, R.M. (2004). "Organizational Memory for Interplanetary Collaborative Scientific Investigations", *7th International Mars Society Conference*. Chicago, IL.

Biever, C. (2005). "Will Google Help Save the Planet?" *New Scientist*, 187(2512): 28–29.

Bilhaut, F. (2003). "The Linguastream Platform", *19th Spanish Society for Natural Language Processing Conference (SEPLN-2003)*. Madrid, Spain. http://www.sepln.org/revistaSEPLN/revista/31/31-Pag339.pdf., 339–340.

Bill, R. (1999). "Grundlagen der Geoinformationssysteme", *Bd. 1 – Hardware, Software und Daten*. Heidelberg: Wichmann Verlag.

Blond, N., Bel, L. and Vautard, R. (2003). "Three-Dimensional Ozone Data Analysis with an Air Quality Model over the Paris Area", *Journal of Geophysical Research*, 108(D23): 4744.

Marcheggiani E., Bocci, M., Colantonio, R. Galli, A. (2007). "Synthetic Indicators for an Integrated Landscape Planning Model", Methods and Instruments for the Scientifically Sound Use of Landscape and Socio-Ecological Indicators in Planning, *Landscape Online*. http://www.landscapeonline.de. In Press.

Bordin, P. (2002). *SIG: Concepts, Outils et Données*. London: Hermes Science.

Borillo, A. (1998). L'espace et son Expression en Français. Paris: Ophrys.

Botts, M. (2005). "OpenGIS Sensor Model Language (SensorML)", *Document 05-086*. Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=12606.

Botts, M., Robin, A., Davidson, J. and Simonis, I. (2006). "OpenGIS Sensor Web Enablement Architecture Document", *Open Geospatial Consortium, Inc.* http://www.opengeospatial.org/about/?page=ipr.

Brandes, U. (2001). "A Faster Algorithm for Betweenness Centrality", *Journal of Mathematical Sociology*, 25(2): 163–177.

Bravo, J., Hervas, R., Chavira, G. and Nava, S. (2006). "Modeling Contexts by RFID-Sensor Fusion", *4th International IEEE Conference on Pervasive Computing and Communications Workshops (PerCom-2006)*. Pisa, Italy, 30–34.

Briggs, D.J., de Hoogh, C., Gulliver, J., Wills, J., Elliott, P., Kingham, S. and Small-bone, K. (2000). "A Regression-based Method for Mapping Traffic-related Air Pollution: Application and Testing in Four Contrasting Urban Environments", *The Science of the Total Environment*, 253: 151–167.

Brill, E. (1992). "A Simple Rule-based Part of Speech Tagger", *3rd Conference on Applied Computational Linguistics*. Trentino, Italy, 152–155.

Brodlie, K.W., Carpenter, L.A., Earnshaw, R.A., Gallop, J.R., Hubbold, R.J., Mumford, A.M., Osland, C.D. and Quarendon, P. (1991). *Scientific Visualization: Techniques and Applications*. London: Springer.

Bruns, T.H. and Egenhofer, M.J. (1996). "Similarity of Spatial Scenes", *7th International Symposium on Spatial Data Handling (SDH-1996)*. Eds. M.-J. Kraak and M. Molenaar. Delft, Netherlands, 31–42.

Burrough, P. and Frank, A. (1995). "Concepts and Paradigms in Spatial Information: Are Current Geographical Information Systems Truly Generic?" *International Journal of Geographical Information Systems*, 9(2): 101–116.

Busch, D. (2005). "Datenbank-Managementsysteme", *Umweltinformationssysteme*. Ed. P. Fischer-Stabel. Heidelberg: Wichmann Verlag, 119–130.

Buse, A., Norris, D., Harmens, H., Büker, P., Ashenden, P. and Mills, G. (2003). "Heavy Metals in European Mosses", *2000/2001 Survey*, Bangor, UK: UNECE ICP Vegetation.

Butler, D. (2006). "Virtual Globe: The Web-Wide World", *Nature*, 439: 776–778.

Bytnerowicz, A., Godzik, B., Fraczek, W., Grodzinska, K., Krywult, M., Badea, O., Barancok, P., Blum, O., Cerný, M. and Godzik, S. (2002). "Distribution of Ozone and Other Air Pollutants in Forests of the Carpathian Mountains in Central Europe", *Environmental Pollution*, 116: 3–25.

Cabral, L., Domingue, J., Galizia, S., Gugliotta, A., Norton, B., Tanasescu, V. and Pedrinaci, C. (2006). "IRS-III: A Broker for Semantic Web Services based Applications", *5th International Semantic Web Conference (ISWC-2006)*. Eds. I. Cruz et al. Athens, GA: Springer, 201–214.

Cai, M. and Frank, M. (2004) "RDFPeers: A Scalable Distributed RDF Repository based on a Structured Peer-to-Peer Network", *World Wide Web Conference (WWW-2004)*. New York.

Campbell, N., Muller, H. and Randell, C. (1999) "Combining Positional Information with Visual Media", *3rd International Symposium on Wearable Computers*. Ed. The IEEE Computer Society, 203–205.

Cannon, H.M. (2001). "Addressing New Media with Conventional Media Planning", *Journal of Interactive Advertising*, 1(2). http://www.jiad.org/vol1/no2/.

Cargill, C. (1997). "Sun and Standardization Wars," *ACM StandardView*, 5(4): 133–135.

Castelli, G., Rosi, A., Mamei, M. and Zambonelli, F. (2006). "Browsing the World: Bridging Pervasive Computing and the Web", *International Workshop on Ubiquitous Information Systems*. Münster, Germany.

Cayzer, S. and Butler, M. (2004). "Semantic Photos", *Hewlett Packard Labs Technical Report*. http://www.hpl.hp.com/techreports/2004/HPL-2004-234.html.

Cazenave, J., Marquesuzaà, C., Dagorret, P. and Gaio, M. (2004). "La Revitalisation Numérique du Patrimoine Littéraire Territorialisé", *Colloque International EBSI-ENSSIB*. Montréal. http// :www.ebsi.umontreal.ca/rech/ebsi-enssib/pdf/casenave_et_al.pdf.

CEA (2005). "Flood Prevention in Europe. The Role of the Insurance Industry", *Property Insurance Committee*. http://www.cea.assur.org/cea/v1.1/actu/-pdf/uk/annexe232.pdf.

CGDI (2005). *CGDI Architecture Description, Version 2.0*. Canadian Geospatial Data Infrastructure Architecture Working Group. http://www.geoconnections.org/-publications/tvip/arch_E/CGDI_Architecture_final_E.html.

Chakrabarti, S., van den Berg, M. and Domc, B. (1999). "Focused Crawling: A New Approach to Topic-specific Web Resource Discovery." *Computer Networks*, 31(11–16): 1623–1640.

Chalmers, M. (1993). "Using a Landscape Metaphor to Represent a Corpus of Documents", *Spatial Information Theory: A Theoretical Basis for GIS (LNCS, Vol. 716)*. Eds. A.U. Frank and I. Campari. Berlin: Springer, 377–390.

Chalmers, M. (1996). "A Linear Iteration Time Layout Algorithm for Visualising High-Dimensional Data", *7th Conference on Visualization*. San Francisco, CA: IEEE Computer Society, 127–132.

Chang, Y.S. and Park, H.-D. (2006). "XML Web Service-based Development Model for Internet GIS Applications", *International Journal of Geo-Information Science*, 20(4): 371–399.

Chappell, A. and Jewell, T. (2002). *Java Web Services*. Sebastopol, CA: O'Reilly.

Charnois, T., Mathet, Y., Enjalbert, P. and Bilhaut, F. (2003). "Geographic Reference Analysis for Geographic Document Querying", *Workshop on the Analysis of Geographic References, Human Language Technology Conference (NAACL/HLT-2003)*. Association for Computational Linguistic, Edmonton, Canada. http://people.mokk.bme.hu/~kornai/NAACL/WS9/ws904.pdf.

Chaze, X. and Napoli, A. (2004). "Conception et Développement d'un Portail Internet sur les Risques Naturels en France à l'Aide de la Technologie Map-Server", *Final Internship Report for National School of Geographical Science (ENSG) in Partnership between Pôle Cindyniques*, 80.

Chin, G.J. and Lansing, C.S. (2004). "Capturing and Supporting Contexts for Scientific Data Sharing via the Biological Sciences Collaboratory", *ACM Conference on Computer Supported Cooperative Work (CSCW-2004)*. Chicago: ACM Press, 409–418.

Chinchor, N. (1997). "MUC-7 Named Entity Task Definition", *7th Message Understanding Conference*. Fairfax, VA. http://www-nlpir.nist.gov/related_projects/-muc/.

Chirita, P.A., Idreos, S., Koubarakis, M. and Nejdl, W. (2004). "Publish/Subscribe for RDF-based P2P Networks", *1st European Semantic Web Symposium (ESWS-2004)*. Eds. C. Bussler et al. Heraklion: Springer, 182–197.

Choicki, J. (1999). "Constraint-based Interoperability of Spatiotemporal Databases". *Geoinformatica*, 3(3): 211–243.

Chong, C.Y. and Kumar, S.P. (2003). "Sensor Networks: Evolution, Opportunities, and Challenges", *Proceedings of the IEEE*, 91(8): 1247–1256.

Chrisman, N.R. (1987). "Design of Geographic Information Systems based on Social and Cultural Goals", *Photogrammetric Engineering and Remote Sensing*, 53(10): 1367–1370.

Clancey, W.J., Sachs, P., Sierhuis, M. and Hoof, R.V. (1998). "Brahms: Simulating Practice for Work Systems Design", *International Journal of Human-Computer Studies*, 49: 831–865.

Clancey, W.J., Sierhuis, M., Alena, R., Berrios, D., Dowding, J., Graham, J. S., Tyree, K.S., Hirsh, R.L., Garry, W.B., Semple, A., Buckingham Shum, S.J., Shadbolt, N. and Rupert, S.M. (2005). "Automating CapCom Using Mobile Agents and Robotic Assistants", *1st Space Exploration Conference*. Orlando, FL. http://eprints.aktors.org/375/.

Clancey, W.J., Sierhuis, M., Kaskiris, C. and Hoof, R.V. (2002). "Brahms Mobile Agents: Architecture and Field Tests", *Fall Symposium on Human-Robot Interaction (AAAI-2002)*. North Falmouth, MA: AAAI Press, 25–29.

Clementini, E., Sharma, J. and Egenhofer, M. (1994). "Modeling Topological Spatial Relations: Strategies for Query Processing", *Computers and Graphics*, 815–822.

Clinton, W.J. (1994). *Executive Order 12906 – Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure*. Washington: The White House. http://www.fas.org/irp/offdocs/eo12906.htm

Clinton, W.J. (2006). "UN Special Envoy for Tsunami Recovery", *Third International Conference on Early Warning (EWC-2006)*. Bonn, Germany.

Clough, P. (2005). "Extracting Metadata for Spatially-Aware Information Retrieval on the Internet", *2nd International Workshop on Geographic Information Retrieval (GIR-2005)*. Bremen, Germany, 25–30.

Cohn, A.G. and Gotts, N.M. (1996). "The 'Egg-Yolk' Representation of Regions with Indeterminate Boundaries", *GISDATA Specialist Meeting on Spatial Objects with Undetermined Boundaries*. Eds. P. Burrough and A.M. Frank. London: Taylor and Francis, 171–187.

Cohn, A.G., Bennett, B., Gooday, J. and Gotts, N.M. (1997). "Qualitative Spatial Representation and Reasoning with the Region Connection Calculus", *GeoInformatica*, 1(3): 275–316.

Cole, S. and Hornsby, K. (2005). "Modeling Noteworthy Events in a Geospatial Domain", *1st International Conference on Geospatial Semantics (GeoS-2005), Mexico City, (LNCS, Vol 3799)*. Springer, 77–89.

Couclelis, H. (1992). "People Manipulate Objects (but Cultivate Fields): Beyond the Raster-Vector Debate in GIS", *Theories and Methods of Spatio-Temporal Reasoning in Geographic Space*. Eds. I. Frank et al. New York: Springer, 65–77.

Cowie, J. and Lehnert, W. (1996). "Information Extraction", *Communications of the ACM*, 39(1): 80–91.

Cox, S. (2005). "Observations and Measurements". *Document 05-087r5*. Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=14034.

Cox, S., Daisey, P., Lake, R., Portele, C. and Whiteside, A. (2003). "Geography Markup Language (GML) 3.0", *OpenGIS Specification*. http://www.opengis.net/gml/.

Crampton, J. (1995). "The Ethics of GIS", *Cartography and Geographic Information Systems*, 22(1): 84–89.

Cressie, N. (1993). *Statistics for Spatial Data*. New York: John Wiley and Sons.

CTG (2001). "Sharing the Costs, Sharing the Benefits: The NYS GIS Cooperative Project", *Project Report 95-4*. Center for Technology in Government. http://www.ctg.albany.edu/publications/reports/sharing_the_costs.

Cunningham, H., Wilks, Y. and Gaizauskas, R. (1996). "GATE – a General Architecture for Text Engineering". *16th Conference on Computational Linguistics (COLING-1996)*. Copenhagen. http://citeseer.comp.nus.edu.sg/cunningham96gate.html.

Curino, C., Giani, M., Giorgetta, M., Giusti, A., Murphy, A.L. and Picco, G.P. (2005). "Mobile Data Collection in Sensor Networks: The TinyLIME Middleware", *International Conference on Pervasive Computing and Communications (PerCom-2005)*. Kona, HI, 446–469.

Cutting D. (2006). "Apache Lucene, a High-Performance, Full-featured Text Search Engine Library Written Entirely in Java", *Apache Software Foundation*. http://lucene.apache.org/.

d'Amato, C., Fanizzi, N. and Esposito, F. (2005). "A Semantic Dissimilarity Measure for Concept Descriptions in Ontological Knowledge Bases", *2nd International Workshop on Knowledge Discovery and Ontologies (KDO-2005)*. Porto, Portugal. https://webhosting.vse.cz/svatek/KDO05/paper2.pdf.

Daviel, A. and Kaegi, F.A. (2003). Geographic Registration of HTML Documents (IETF Internet Draft, July 2003). Sterling: Internet Engineering Task Force. http://ecotroph.net/geopriv.

Davis, M. (2002). "JTS Topology Suite". http://www.vividsolutions.com/jts/jtshome.htm.

Dawson, F. and Howes, T. (1998). "vCard MIME Directory Profile (RFC2426)". http://www.ietf.org/rfc/rfc2426.txt.

de Berg, M., van Kreveld, M., Overmars, M. and Schwarzkopf, O. (2000). "Computational Geometry: Algorithms and Applications", 2nd Edition. Berlin: Springer.

de Bruijn, J. (2005). "The Web Service Modeling Language". *Final Draft D16.v0.21*. http://www.wsmo.org/TR/d16/d16.1/v0.21/.

de la Asuncion, M., Castillo, L., Fdez.-Olivares, J., Garca-Prez, O., Gonzlez, A. and Palao, F. (2005). "SIADEX: An Interactive Artificial Intelligence Planner for Decision Support in Forest Fire Fighting", *Artificial Intelligence Communications* (AIComm). Amsterdam: IOS Press, 18(4): 257–268.

Dean, M. and Kolas, D. (2005). *Semwebcentral: Project Info – Geospatial Semantic Web*. http://project.semwebcentral.org/projects/gsw/.

Delboni, T.M., Borges, K.A.V. and Laender, A.H.F. (2005). "Geographic Web Search Based on Positioning Expressions", *2nd International Workshop on Geographic Information Retrieval (GIR-2005)*. Bremen, Germany, 61–64.

Denby, B., Horálek, J., Walker, S.E., Eben, K. and Fiala, J. (2005). "Interpolation and Assimilation Methods for European Scale Air Quality Assessment and Mapping Part I: Review and Recommendations", *ETC/ACC Technical Paper 2005/7*. http://air-climate.eionet.europa.eu/reports/.

DeVarco, B. (2004). "Earth as a Lens: Global Collaboration, GeoCommunication, and the Birth of EcoSentience", *PlaNetwork Journal*. http://journal.planetwork.net/article.php?lab=devarco0704.

Devillers, R., Gervais, M., Bedard, Y. and Jeansoulin, R. (2003). "Spatial Data Quality: From Metadata to Quality Indicators and Contextual End-User Manual", *OEEPE/ISPRS Joint Workshop on Spatial Data Quality Management*. Istanbul, Turkey.

Dey, A., Abowd, G.D. and Salber, D. (2001). "A Conceptual Framework and a Toolkit for Supporting the Rapid Prototyping of Context-Aware Applications", *Human-Computer Interaction*, 16: 97–166.

Dey, A.K. and Abowd, G.D. (2000). "Towards a Better Understanding of Context and Context-Awareness". *Workshop on the What, Who, Where, When and How of Context-Awareness, Conference on Human Factors in Computer Systems (CHI-2000)*. New York: ACM Press.

Dey, A.K., Abowd, G.D. and Salber, D. (1999). "A Context-based Infrastructure for Smart Environments", *International Workshop on Managing Interactions in Smart Environments*. Dublin, Ireland.

Dickmann, F. (2001). "Compass – Das Geographische Seminar, Webmapping und Web-Gis", Braunschweig: Westermann Verlag.

Diligenti, M., et al. (2000). "Focused Crawling Using Context Graphs", *26th International Conference on Very Large Databases (VLDB-2000)*. Cairo, Egypt.

Ding, J., Gravano, L. and Shivakumar, N. (2000). "Computing Geographical Scopes of Web Resources", *26th International Conference on Very Large Data Bases*. Cairo: Morgan Kaufmann, 545–556.

Dolbear, C. and Hart, G., (2006). "R2D2: Combining Spatial and Semantic Queries into Spatial Databases", *Technical Paper*. http://www.ordnancesurvey.co.uk/research.

Domingue, J. and Motta, E. (2000). "PlanetOnto: From News Publishing to Integrated Knowledge Management Support", *IEEE Intelligent Systems*, 15(3): 26–32.

Dong, X., Halevy, A. and Madhavan, J. (2005). "Reference Reconciliation in Complex Information Spaces", *24th International Conference on Management of Data (SIGMOD-2005)*. Baltimore, MD: ACM Press, 85–96.

Doyle, A. and Reed, C. (2001). "Introduction to OGC Web Services", *Open Geospatial Consortium White Papers*. http://www.opengeospatial.org/pressroom/papers.

Dunne, J.A., Williams, R.J. and Martinez, N.D. (2002). "Food Web Structure and Network Theory, the Role of Connectance and Size", *National Academy of Sciences*, USA, 99(20): 12917–12922.

Dymon, U.J. (2003). "An Analysis of Emergency Map Symbology", *International Journal of Emergency Management*, 1(3): 23–27.

EC (1996). Air Quality Framework Directive, Council Directive 96/62/EC on Ambient Air Quality Assessment and Management, *Official Journal of the European Communities (OJ)*, L 296, 21.11.1996, 55–63. http://eur-lex.europa.eu/LexUriServ/site/en/consleg/1996/L/01996L0062-20031120-en.pdf.

EC (1997). Council Decision 97/101/EC, Establishing a Reciprocal Exchange of Information and Data from Networks and Individual Stations Measuring Ambient Air Pollution within the Member States, *(OJ) L 035, 05.02.1997, 14-22*, and Its Amended Annexes to 97/101/EC, *Commission Decision 2001/752/EC, (OJ) L 282, 26.10.2001, 69-76*. http://eur-lex.europa.eu/.

EC (1999a). First Daughter Directive, Council Directive 1999/30/EC Relating to Limit Values for Sulphur Dioxide, Nitrogen Dioxide and Oxides of Nitrogen, Particulate Matter, and Lead in Ambient, *OJ L 163, 29.06.1999, 41-60*. http://eur-lex.europa.eu/.

EC (1999b). *EU Focus on Clean Air*, European Commission: http://ec.europa.eu/environment/eufocus/clean_air.pdf.

EC (2002). Third Daughter Directive, Council Directive 2002/3/EC Relating to Ozone in Ambient Air, *OJ L 67, 09.03.2002, 14-30*. http://eur-lex.europa.eu/.

EEA (2005). *Corine Land Cover 2000 (CLC2000) 250 m – Version 8/2005*. European Environmental Agency. Copenhagen, Denmark. http://dataservice.eea.europa.eu/.

Egenhofer, M.J. (2002). "Toward the Semantic Geospatial Web", 10th ACM International Symposium on Advances in Geographic Information Systems (*ACM-GIS-2002*). Virginia: ACM Press, 1–4.

Egenhofer, M.J. and Franzosa, R.D. (1991). "Point-Set Topological Relations", *International Journal for Geographic Information Sytems*, 5(2): 161–174.

Egenhofer, M.J. and Herring, J. (1995). *Advances in Spatial Databases. Fourth International Symposium (SSD-1995)*, Portland, ME.

Egenhofer, M.J. and Mark, D.M. (1995). "Naive Geography", *Conference on Spatial Information Theory (COSIT-1995)*. Eds. A.U. Frank and W.A. Kuhn. Semmering, Austria: Springer, 1–15.

Eisenstadt, M., Komzak, J. and Dzbor, M. (2003). "Instant Messaging + Maps = Powerful Collaboration Tools for Distance Learning", *International Symposium on Tele Education (TelEduc-2003)*. Havana, Cuba. http://kmi.open.ac.uk/-projects/buddyspace/docs/eisenstadt-komzak-dzbor-teleduc03.doc.

Environmental Systems Research Institute, Inc. (1991). "Cell-based Modeling with GRID", Redlands, CA: ESRI Press.

Erle, S. and Gibson, R. (2006). *Google Maps Hacks*, Sebastopol, CA: O'Reilly Press.

Erle, S., Gibson, R. and Walsh, J. (2005). *Mapping Hacks – Tips & Tools for Electronic Cartography*. Sebastopol, CA: O'Reilly Press.

Espinoza, F., Persson, P., Sandin, A., Nystrom, H., Cacciatore, E. and Bylund, M. (2001). "GeoNotes: Social and Navigational Aspects of Location-based Information Systems", *International Conference on Ubiquitous Computing (UbiComp-2001)*. Atlanta, GA: Springer, 2–17.

ESRI (2004). "ArcIMS 9.0 Architecture and Functionality", *ESRI White Paper*. ESRI Press. http://www.esri.com/library/whitepapers/pdfs/ arcims9-architecture.pdf.

ESRI (2005). "Altitude, 30x30 grid, GTOPO30", *Global Digital Elevation Model*. Redlands, CA: ESRI Press.

Etcheverry, P., Marquesuzaà, C. and Corbineau S. (2006). "Designing Suited Interactions for a Document Management System Handling Localized Documents", *24th ACM International Conference on Design of Communication (SIGDOC-2006)*. Myrtle Beach, SC, 188–195.

Etcheverry, P., Marquesuzaà, C. and Lesbegueries, J. (2005). "Revitalisation de Documents Territorialisés : Principes, Outils et Premiers Résultats", *Workshop Met-SI INFORSID*. Grenoble, France.

Ewalt, D.M. (2005). "Google Is Everywhere", *Forbes*. http://www.forbes.com/technology/2005/09/02/hurricane-google-map-rescue-cx_de_0902google.html.

Fagerli, H., Simpson, D. and Tsyro, S. (2004). "Unified EMEP Model: Updates", *EMEP Status Report 1/2004*. Oslo. http://www.emep.int/publ/reports/2004/Status_report_int_del1.pdf.

Falke, S.R. and Husar, R.B. (1998a). "Declustering in the Spatial Interpolation of Air Quality Data". *90th Air and Waste Management Association Annual Meeting*, *CAPITA Paper* No. 98-A927. St. Louis, MO. http://capita.wustl.edu/CAPITA/Awma98/HTTP/98_A927.htm.

Falke, S.R. and Husar, R.B. (1998b). "Maps of PM2.5 over the U.S. Derived from Regional PM2.5 and Surrogate Visibility and PM10 Monitoring Data", *CAPITA Paper* No. 98-A918. St. Louis, MO. http://capita.wustl.edu/CAPITA/Awma98/HTTP/98_A918.htm.

Farrukh Najmi (2006). "Web Content Management Using the OASIS ebXML Registry Standard". http://ebxmlrr.sourceforge.net/presentations/xmlEurope2004/04-02-02.pdf.

Federal Geographic Data Committee (1999). *National Spatial Data Clearinghouse Web Site*. http://clearinghouse1.fgdc.gov/.

Feier, C. and Domingue, J. (2005). *WSMO Primer*. http://www.wsmo.org/TR/d3/d3.1/v0.1/20050401/.

Fensel, D. and Bussler, C. (2002). "The Web Service Modeling Framework WSMF", *Electronic Commerce Research and Applications*, 1(2): 113–137.

Fidler, R. (1997). *Mediamorphosis: Understanding New Media*. Thousand Oaks, CA: Pine Forge Press.

FIPA (2002). "FIPA Abstract Architecture Specification", *Technical Specification SC00001L, Foundation for Intelligent Physical Agents*. Geneva, Switzerland. http://www.fipa.org.

Fonseca, F. and Sheth, A. (2002). "The Geospatial Semantic Web". *UCGIS White Paper*. http://www.ucgis4.org/priorities/research/2002researchagenda.htm.

Freeman, J. (1975). "The Modelling of Spatial Relations", *Computer Graphics and Image Processing*, 4: 156–171.

Freeman, L.C. (1977). "A Set of Measures of Centrality Based on Betweenness", *Sociometry*, 40: 35–41.

Friedmannová, L., Konecný, M. and Stanek, K. (2006). "An Adaptive Cartographic Visualization for Support of the Crisis Management", *Autocarto 2006*. Vancouver, Canada. http://www.cartogis.org/publications.

Frost, P. and Vosloo, H. (2006). "Providing Satellite-based Early Warnings of Fires to Reduce Fire Flashovers on South African Transmission Lines", *10th Biennial Australasian Bushfire Conference (Bushfire-2006)*, Brisbane, Australia. http://www.fireandbiodiversity.org.au/.

Fuger, S., Farrukh, N. and Stojanovic, N. (2005). "Oasis Standard: ebXML Registry Information Model Version 3.0". http://docs.oasis-open.org/regrep-rim/v3.0/regrep-rim-3.0-os.

Gahegan, M. (1995). "Proximity Operators for Qualitative Spatial Reasoning", *Spatial Information Theory: International Conference (COSIT-1995)*. Semmering, Austria: Springer, 31–44.

Gahleitner, E., Behrendt, W., Palkoska, J. and Weippl, E. (2005). "Knowledge Sharing and Reuse: On Cooperatively Creating Dynamic Ontologies", *16th ACM Conference on Hypertext and Hypermedia (Hypertext-2005)*. Salzburg, Austria: ACM Press.

Gaizauskas, R. (2002). "An Information Extraction Perspective on Text Mining: Tasks, Technologies and Prototype Applications", *Euromap Text Mining Seminar*. Sheffield, UK.

Gaizauskas, R. and Wilks, Y. (1998). "Information Extraction: Beyond Document Retrieval ", *Journal of Documentation*, 70–105.

Gaizauskas, R., Wakao, T., Humphreys, K., Cunningham, H. and Wilks, Y. (1995). *University of Sheffield: Description of the Lasie System as Used for Muc.* http://acl.ldc.upenn.edu/M/M95/M95-1017.pdf.

Galdos Systems Inc. (2003). "Developing and Managing GML Application Schemas: Best Practices". http://www.geoconnections.org/developers-Corner/devCorner_devNetwork/components/GML_bpv1.3_E.pdf.

Gale, W., Church, K. and Yarowsky, D. (1992). "One Sense per Discourse", *5th DARPA Speech and Natural Language Workshop*. New York: Harriman, 233–237.

Galton, A. and Hood, J. (2005). "Anchoring: A New Approach to Handling Indeterminate Location in GIS", *Spatial Information Theory: International Conference (COSIT-2005)*. Eds. A.G. Cohn and M. David. New York: Springer, 1–13.

Galton, A.P. (2001). "A Formal Theory of Objects and Fields", *Conference on Spatial Information Theory (COSIT-2001)*. Ed. D.R. Montello. Berlin: Springer, 458–473.

Gao, W., Lee, H. C., and Miao, Y. (2006). "Geographically Focused Collaborative Crawling", *15th International Conference on World Wide Web*. Edinburgh, Scotland: ACM Press, 287–296.

Garbin, E. and Mani, I. (2005). "Disambiguating Toponyms in News", *Human Language Technology Conference and Conference on Empirical Methods in Natural Language Processing*. Vancouver, Canada, 363–370.

Gärdenfors, P. (2000). "Conceptual Spaces: The Geometry of Thought". Cambridge, MA: Bradford Books, MIT Press.

Gartner, G. (2004). "Location-based Mobile Pedestrian Navigation Services – the Role of Multimedia Cartography." *International Joint Workshop on Ubiquitous, Pervasive and Internet Mapping (UPIMap-2004)*. Tokyo, Japan. http:// - www.ubimap.net/upimap2004/html/papers/UPIMap04-B-03-Gartner.pdf.

Gartner, G. (2006). "From Mobile towards Ubiquitous Cartography – Trends in Contemporary Cartography. Presentation." *1st International Conference on Cartography and GIS*. Ed. T. Bandrova. Borovets, Bulgaria, 21–22.

GeoConnections (2001). "GeoConnections Discovery Portal Website". http://geodiscover.cgdi.ca/.

Gervais, M. (2003). "Pertinence d'un Manuel d'Instruction au Sein d'une Stratégie de Gestion du Risque Juridique Découlant de la Fourniture de Données Géographiques Numériques", *Rapport de thèse, Marne la Vallé University*. Laval University, Québec.

Getty Trust (2006). "The Getty Thesaurus of Geographic Names". http://www.getty.edu/research/conducting_research/vocabularies/tgn/.

Gibson, J.J. (1986). *The Ecological Approach to Visual Perception*. Mahwah, NJ: Lawrence Erlbaum Associates.

Goldstone, R.L. and Son, J. (2005). "Similarity", *Cambridge Handbook of Thinking and Reasoning*. Eds. K. Holyoak and R. Morrison. Cambridge: Cambridge University Press, 13–36.

Goodchild, M.F. (2004). "GIScience: Geography, Form and Process", *Annals of the Association of American Geographers*, 94(4): 709–714.

Goodwin, J. (2005). "What Have Ontologies Ever Done for Us – Potential Applications at a National Mapping Agency". http://www.mindswap.org/2005/OWLWorkshop/sub18.pdf.

Gore, A. (1998). "The Digital Earth: Understanding Our Planet in the 21st Century", *Lecture at the California Science Center (31 Jan 1998)*. Los Angeles: http://www.digitalearth.gov/VP19980131.html.

Gräf, J., Henrich, A., Lüdecke, V. and Schlieder, C. (2006). "Geografisches Information Retrieval", *Datenbank-Spektrum*, 6(18): 48–56.

Greco, G., Greco, S. and Zumpano, E. (2002). "A Stochastic Approach for Modelling and Computing Web Communities", *3rd International Conference on Web Information Systems Engineering*. Singapore: IEEE Press, 43–52.

Groot, R. and McLaughlin, J. (2000). *Geospatial Data Infrastructure: Concepts, Cases and Good Practice*. New York: Oxford University Press.

Gruber, T.R. (1993). "A Translation Approach to Portable Ontology Specifications", *Knowledge Acquisition*, 5(2): 199–220.

GSDI (2001). *Developing Spatial Data Infrastructures: The SDI Cookbook, Version 1.1*. Global Spatial Data Infrastructure Association. http://www.gsdi.org/pubs/-cookbook/index.html.

Guarino, N. (1997). "Understanding, Building and Using Ontologies", *International Journal of Human-Computer Studies*, 46(2–3): 293–310.

Guarnieri, F. and Garbolino, E. (2003). "Systèmes d'Information et Risques Naturels: Pratiques, Innovations Méthodologiques et Technologiques", *Joint work*. Ecole des Mines de Paris Press.

Hammond, B., Sheth, A. and Kochut, K. (2002). "Semantic Enhancement Engine: A Modular Document Enhancement Platform for Semantic Applications over Heterogeneous Content", *Real World Semantic Web Applications*. Eds. V. Kashyap and L. Shklar. Amsterdam: IOS Press. 29–49.

Hansen, B. (2006). "The GeoURL ICBM Address Server": http://geourl.org/.

Harris, T.M. and Weiner, D. (1996). "GIS and Society: The Social Implications of How People, Space and Environment Are Represented in GIS", *Scientific Report for the Initiative 19 Special Meeting*. NCGIA Report, 96-7.

Harris, T.M. and Weiner, D. (1998). "Empowerment, Marginalization, and 'Community-integrated' GIS", *Cartography and Geographic Information Systems*, 25(2): 67–76.

Harris, T.M. and Weiner, D. (2002). "Implementing a Community-integrated GIS", *Community Participation and Geographic Information Systems*. Eds. W.J. Craig et al. New York: Taylor and Francis, 246–258.

Harris, T.M., Alagan, R. and Rouse L.J. (2002). "Geo-Visualization Approaches to PGIS Decision Making in Environmental Impact Assessment", *1st Annual Conference on PPGIS*. Park Ridge, IL: URISA, 180–185.

Harris, T.M., Weiner, D., Warner, T.A. and Levin, R. (1995). "Pursuing Social Goals through Participatory Geographic Information Systems: Redressing South Africa's Historical Political Ecology", *Ground Truth: The Social Implications of GIS*. Ed. J. Pickles. New York: Guildford Press, 196–222.

Hau, J., Lee, W. and Darlington, J. (2005). "A Semantic Similarity Measure for Semantic Web Services in Web Service Semantics", *International World Wide Web Conference Workshop (WWW-2005)*, Chiba, Japan.

Hazaël-Massieux, D. and Connolly, D. (2006). "Gleaning Resource Descriptions from Dialects of Languages (GRDDL)", *W3C Draft*. http://www.w3.org/2004/01/rdxh/spec.

Herman, L. (2001). *W3C Semantic Web Activity*. http://w3.org/2001/sw.

Hernandez, N. (2005). "Ontologies pour l'Aide à l'Exploration d'une Collection de Documents", *Ingénierie des Systèmes d'Information*. Paris: Hermès Sciences, 10: 11–31.

Herpin U., Lieth H. and Markert B. (1995). "Monitoring der Schwermetallbelastung in der Bundesrepublik Deutschland mit Hilfe von Moosanalysen", Berlin: UBA-Texte, 31/95.

Hill, L. (1999). "Indirect Geospatial Referencing through Place Names in the Digital Library: Alexandria Digital Library Experience with Developing and Implementing Gazetteers", *62nd Annual Meeting of the American Society for Information Science*. Medford, NJ: ASIS, 57–69.

Hill, L. (2000). "Core Elements of Digital Gazetteers: Place Names, Categories, and Footprints", *4th European Conference on Research and Advanced Technology for Digital Libraries (ECDL-2000)*. Lisbon, Portugal: Springer, 280–290.

Hill, L.L., Frew, J. and Zheng, Q. (1999). "Geographic Names – the Implementation of a Gazetteer in a Georeferenced Digital Library", *D-Lib Magazine*, 5(1). http://www.dlib.org/.

Hof, R.D. (2005). "Mix, Match, and Mutate: "Mash-ups" – Homespun Combinations of Mainstream Services – Are Altering the Net", *Business Week*, 3942 (July 25): 72.

Hogan, P. and Kim, R. (2004). "NASA Planetary Visualization Tool", *American Geophysical Union Fall Meeting*. San Francisco, CA.

Hong, J. (2002). "The Context Fabric: An Infrastructure for Context-Aware Computing", *Conference on Computer Human Interaction*. Minneapolis, MN.

Horálek, J., KurFürst, P., Denby, B., De Smet, P., De Leeuw, F., Brabec, M. and Fiala, J. (2005). "Interpolation and Assimilation Methods for European Scale Air Quality Assessment and Mapping, Part II: Development and Testing New Methodologies", *ETC/ACC Technical Paper 2005/8*. http://air-climate.eionet.europa.eu/reports/.

Horrocks, I., Patel-Schneider, P.F. and Harmelen, F.V. (2003). "From SHIQ and RDF to OWL: The Making of a Web Ontology Language", *Journal of Web Semantics*, 1(1): 7–26.

Horrocks, I., Patel-Schneider, P.F., Boley, H., Tabet, S., Grosof, B. and Dean, M. (2004). "SWRL: A Semantic Web Rule Language Combining OWL and RuleML". *W3C Member Submission*. http://www.w3.org/Submission/SWRL/.

Hou, J. and Zhang, Y. (2002). "A Matrix Approach for Hierarchical Web Page Clustering Based on Hyperlinks", *3rd International Workshops on Web Information Systems Engineering*. Singapore: IEEE Press, 207–216.

Humphreys, K., Gaizauskas, R., Azzam, S., Huyck, C., Mitchell, B., Cunningham, H. and Wilks, Y. (1998). "University of Sheffield: Description of the LaSIE-II System as Used for MUC-7", *7th Message Understanding Conference*. Fairfax, VA. http://www-nlpir.nist.gov/related_projects/muc/.

ISO (2000). *ISO/IEC 15444-1:2000 (JPEG 2000 Encoding Specification)*. http://www.jpeg.org/jpeg2000/index.html.

ISO (2003). "International Standard ISO 19119, Geographic Information Services", *ISO/TC 211*.

ISO (2004). ISO/IEC 15444-9:2004 (JPEG 2000 Encoding Specification – Part 9, Interactivity Tools, APIs and Protocols). http://www.jpeg.org/jpeg2000/index.html.

Jackson, J. (2006). "'Neogeography' Blends Blogs with Online Maps", *National Geographic News*. http://news.nationalgeographic.com/news/2006/04/.

Jain, A.K., Murty, M.N. and Flynn, P.J. (1999). "Data Clustering: A Review", *ACM Computing Surveys*, 31(3): 264–323.

Janowicz, K. (2005). "Extending Semantic Similarity Measurement by Thematic Roles", *1st International Conference on GeoSpatial Semantics* (GeoS-2005). Berlin: Springer, 137–152.

Janowicz, K. (2006). "Sim-DL: Towards a Semantic Similarity Measurement Theory for the Description Logic ALCNR in Geographic Information Retrieval", *2nd International Workshop on Semantic-based Geographical Information Systems (SeBGIS-2006), OTM Workshops, Montpellier, France (LNCS, Vol. 4278)*. Eds. R. Meersman et al. Berlin: Springer, 1681–1692.

Jarrar, M. and Meersman, R. (2002). "Formal Ontology Engineering in the DOGMA Approach", *International Conference on Ontologies, Databases and Applications of Semantics (LNCS, Vol. 2519)*. Eds. R. Meersman and Z. Tari. Berlin: Springer, 1238–1254.

Jerrett, M., Arain, M.A., Kanaroglou, P., Beckerman, B., Crouse, D., Gilbert, N.L., Brook, J.R., Finkelstein, N. and Finkelstein, M.M. (2003). "Modelling the Intra-Urban Variability of Ambient Traffic Pollution in Toronto, Canada", *Strategies for Clean Air and Health Conference*. Rome, Italy. http://www.irr-neram.ca/rome/Proceedings/Jerrett.pdf.

Jobling, M.A. (2001). "In the Name of the Father: Surnames and Genetics", *Trends in Genetics*, 17(6): 353–357.

Johnson, I. (2004). "Putting Time on the Map: Using TimeMap for Map Animation and Web Delivery", *GeoInformatics*, 7(5): 26–29.

Jones, C.B., Abdelmoty, A.I., Finch, D., Fu, G. and Vaid, S. (2004). "The SPIRIT Spatial Search Engine: Architecture, Ontologies and Spatial Indexing", *Geographic Information Science: Third International Conference* (GIScience-2004). Adelphi, PA, 3234: 125–139.

Jones, C.B., Alani, H. and Tudhope, D. (2001). "Geographical Information Retrieval with Ontologies of Place", *International Conference on Spatial Information Theory: Foundations of Geographic Information Science (LNCS, Vol. 2205)*. Ed. D.R. Montello. Berlin: Springer, 322–335.

JRC (2005). "Population Density Disaggregated with CLC2000, Version 3", Joint Research Centre. Ispra, Italy. http://dataservice.eea.europa.eu/data-service/metadetails.asp?id=830/.

Julien, C. and Roman, G.C. (2002). "Egocentric Context-Aware Programming in Ad-Hoc Mobile Environments", *Symposium on Foundations of Software Engineering*. Charleston, SC.

Jurafski, D. and Martin, J.H. (2000). *Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics and Speech Recognition*. Upper Saddle River, NJ: Prentice Hall.

Kadobayashi, R. and Tanaka, K. (2005). "3D Viewpoint-based Photo Search and Information Browsing", *28th Annual International ACM Conference on Research and Development in Information Retrieval (SIGIR-2005)*. New York: ACM Press, 621–622.

Kashyap, V. and Sheth, A. (1996). "Schematic and Semantic Similarities between Database Objects: A Context-based Approach," *Very Large Data Bases (VLDB) Journal*, 5(4): 276–304.

Keller, R.M., Berrios, D.C., Carvalho, R.E., Hall, D.R., Rich, S.J., Sturken, I.B., Swanson, K.J. and Wolfe, S.R. (2004). "SemanticOrganizer: A Customizable Semantic Repository for Distributed NASA Project Teams", *3rd International - Semantic Web Conference* (ISWC-2004). Hiroshima, Japan: Springer, 767–781.

Kelmelis, J., DeMulder, M., Ogrosky, C., Van Driel, N. and Ryan, B. (2003). "The National Map from Geography to Mapping and Back Again", *Photogrammetric Engineering and Remote Sensing*, 69(10): 1109–1111.

Kendall, J.E. (2005). "Satellite Mapping and Its Potential in Ecommerce: Why We Need Directions to Follow Our New Maps", *Decision Line*, 36(5): 11–14.

Kienreich, W., Granitzer, M. and Lux, M. (2006). "Geospatial Anchoring of Encyclopedia Articles", *10th International Conference on Information Visualisation (iV-06)*. London, UK: In print.

Kingston, R. (2002). "Web-based PPGIS in the United Kingdom", *Community Participation and Geographic Information Systems*. Eds. W.J. Craig et al. New York: Taylor and Francis, 101–112.

Kishor, P. and Ventura, S. (2006). "What Can GIS Learn from FLOSS?" *9th International Conference of the Global Spatial Data Infrastructure (GSDI-9-2006)*. Santiago, Chile. http://www.gsdi9.cl/english/papers/TS50.4paper.pdf.

Kleppin, L. (2006). Integration der Ergebnisse des bundesweiten UNECE Moos-Monitorings in ein Internet-gestütztes Geo-Informationssystem (WebGIS) und deren statistische Analyse mittels Chi-square Automatic Interaction Detection (CHAID)", *Diploma Thesis*. University of Vechta.

Klien, E., Einspanier, U., Lutz, M. and Hübner, S. (2004). "An Architecture for Ontology-based Discovery and Retrieval of Geographic Information", *Semantic Web Services and Dynamic Networks Workshop (SWSDN-2004)*. Ulm, Germany, 574–578.

Kolas, D. and Kammersell, W. (2005). *"Semwebcentral: Project Info – GeoSwrl".* http://projects.semwebcentral.org/projects/geoswrl/.

Kolas, D., Hebeler, J. and Dean, M. (2005). "Geospatial Semantic Web: Architecture of Ontologies", *First International Conference on Geospatial Semantics (GeoS-2005), Mexico City (LNCS, Vol. 3799)*. Springer, 183–194.

Konecný, M. and Bandrova, T. (2006). "Proposal for a Standard in Cartographic Visualization of Natural Risks and Disasters", *Joint Symposium of Seoul Metropolitan Fora and Second International Workshop on Ubiquitous, Pervasive and Internet Mapping*. Seoul, Korea, 165–173.

Konecný, M., Kolár, M., Brázdilová, J., Kolejka, J., Michálek, J., Talhofer, V. and Svancara, J. (2005). "Dynamická Geovizualizace v Krizovém Managementu (Dynamic Geovisualization in Crises Management)", *Project No. MSM 0021622418 (Supported by the Ministry of Education, Youth and Sports of the Czech Republic)*. http://geokrima.geogr.muni.cz/index.html.

Krygier, J.B. (1999). "World Wide Web Mapping and GIS: An Application for Public Participation", *Cartographic Perspectives*, 33: 66–67.

Kubícek, P. and Stanek, K. (2006). "Dynamic Visualization in Emergency Management", *1st International Conference on Cartography and GIS*. Ed. T. Bandrova. Borovets, Bulgaria, 25–28.

Kuhn, W. (2002). "Modeling the Semantics of Geographic Categories through Conceptual Integration", *Geographic Information Science-Second International Conference*, GIScience 2002 (LNCS, Vol. 2478). Boulder, CO: Springer.

Kuhn, W. (2005). "Geospatial Semantics: Why, of What, and How?" *Journal of Data Semantics*, 3: 1–24.

Kunreuther, H. and Grossi, P. (2005). *Catastrophe Modeling: A New Approach to Managing Risk.* New York: Springer.

Kutz, D. and Herring, S.C. (2005). "Micro-Longitudinal Analysis of Web News Updates", *38th Hawaii International Conference on System Sciences (HICSS-38-2005).* Hawaii: IEEE Press.

Lake, R., Burggraf, D., Trninic, M. and Rae, L. (2004). *Geography Mark-Up Language: Foundation for the Geo-Web.* New York: Wiley.

Larson, R.R. (1996). "Geographic Information Retrieval and Spatial Browsing", *GIS and Libraries: Patrons, Maps and Spatial Information.* Eds. L. Smith and M. Gluck. Urbana-Champaign, IL: University of Illinois Press, 81–124.

Leidner, J.L. (2004). "Towards a Reference Corpus for Automatic Toponym Resolution Evaluation", *27th Annual International ACM SIGIR Conference (SIGIR-2004), Workshop on Geographic Information Retrieval.* http://www.geo.unizh.ch/~rsp/gir/abstracts/leidner.pdf.

Lemmens, R. (2006). "Semantic Interoperability of Distributed Geo-Services", *PhD Thesis*, Enschede, The Netherlands.

Lemmens, R., Wytzisk A., de By, R., Granell, C., Gould, M. and van Oosterom, P. (2006). "Integrating Semantic and Syntactic Descriptions for Chaining Geographic Services", *IEEE Internet Computing*, 10(5): 42–52.

Lesbegueries, J., Gaio, M., Loustau, P. and Sallaberry, C. (2006). "Geographical Information Access for Non-Structured Data", *ACM Symposium on Applied Computing (SAC-2006).* Dijon, France, 83–89.

Lesbegueries, J., Sallaberry, C. and Gaio, M. (2006). "Associating Spatial Patterns to Text-Units for Summarizing Geographic Information", *29th Annual International ACM SIGIR Conference on Research and Development on Information Retrieval – GIR (Geographic Information Retrieval) Workshop.* Seattle, WA. http://www.geo.unizh.ch/~rsp/gir06/papers/individual/lesbegueries.pdf.

Letzel, S. and Gacki, R. (2001). *PHP und MySQL.* München, Germany: Markt und Technik Verlag.

Levy, S. (2004). "Making the Ultimate Map", *Newsweek*, 143(23): 56–58.

Li, B. and Fonseca, F.T. (2006). "TDD – a Comprehensive Model for Qualitative Spatial Similarity Assessment", *Spatial Cognition and Computation*, 6(1): 31–62.

Li, H., Srihari, R.K., Niu, C. and Li ,W. (2003). "InfoXtract Location Normalization: A Hybrid Approach to Geographic References in Information Extraction", *Workshop on Analysis of Geographic References – Volume 1, Human Language Technology Conference (HLT-NAACL-2003).* Morristown, NJ: Association for Computational Linguistics, 39–44.

Li, X., Morie, P. and Roth, D. (2005). "Semantic Integration in Text: From Ambiguous Names to Identifiable Entities", *AI Magazine: Special Issue on Semantic Integration*, 45–68.

Liebhold, M. (2004). Infrastructure for the New Geography. Menlo Park, CA: Institute for the Future. http://www.iftf.org/docs/SR-869_Infra_New_Geog_Intro.pdf.

Liebig, W. and Mummenthey, R.-D. (2005). *ArcGIS-ArcView9 – ArcGIS Grundlagen, Bd. 1*. Norden, Germany: Points Verlag.

Lloyd, C.D. and Atkinson, P.M. (2004). "Increased Accuracy of Geostatistical Prediction of Nitrogen Dioxide in the United Kingdom with Secondary Data", *International Journal of Applied Earth Observation and Geoinformation*, 5: 293–305.

Loibl, W., Züger, J. and Kutschera, P. (2000). "Verbesserung des Modells zur Generierung von stündlichen Karten der Ozonkonzentration für Österreich", *Seibersdorf Research Report*, OEFZS-S-0063, BV, 64.

Loustau, P. (2005). "Traitements Sémantiques de Documents dans Leur Composante Spatiale", *Master's thesis*. Université de Pau et des Pays de l'Adour France.

Lowe, A. (2003). "The Federal Emergency Management Agency's Multi-Hazard Flood Map Modernization and the National Map", *Photogrammetric Engineering and Remote Sensing*, 69(10): 1133–1135.

Luck, M., McBurney, P., Shehory, O. and Willmott, S. (2005). "Agent Technology Roadmap: A Roadmap for Agent-based Computing". http://www.agentlink.org/roadmap/index.html.

Lutz, C. and Wolter, F. (2006). "Modal Logics of Topological Relations", *Logical Methods in Computer Science*, 2(2): 1–41.

Lutz, M. and Klien, E. (2006). "Ontology-based Retrieval of Geographic Information", *International Journal of Geographical Information Science*, 20(3): 233–260.

MacEachren, A.M. (1995). *How Maps Work: Representation, Visualisation and Design*. New York: The Guilford Press.

MacEachren, A.M., Cai, G., McNeese, M., Sharma, R. and Fuhrmann, S. (2006). "GeoCollaborative Crisis Management: Designing Technologies to Meet Real-World Needs", *7th Annual National Conference on Digital Government Research: Integrating Information Technology and Social Science Research for Effective Government*. San Diego, CA, 71–72.

Maguire, D. (2006). "Geographic Earth Explorers: A New Software Paradigm for Visualizing and Analyzing Geography?" *2006 Annual Meeting of the Association of American Geographers*. Chicago, IL.

Maguire, D. (2006). "GeoWeb 2.0". http://gismatters.blogspot.com/2006/06/-geoweb-20.html.

Mamei, M., Quaglieri, R. and Zambonelli, F. (2006). "Making Tuple Spaces Physical with RFID Tags", *ACM Symposium on Applied Computing*. Dijon, France, 434–439.

Manning, C.D. and Schütze H. (1999). *Foundations of Statistical Natural Language Processing*. 1st Edition. Cambridge, MA: MIT Press.

Marcellin, M.W. Gormish, M.J., Bilgin, A. and Boliek, M.P. (2000). "An Overview of JPEG-2000", *IEEE Data Compression Conference (DCC-2000)*. Salt Lake City, UT: IEEE. http://rii.ricoh.com/~gormish/pdf/dcc2000_jpeg2000_note.pdf.

Mark, D.M. (1989). "Cognitive Image-Schemata for Geographic Information: Relations to User Views and GIS Interfaces". *Annual Conference and Exposition (GIS/LIS-1989)*. Orlando, FL, 551–560.

Mark, D.M. (1993). "On the Ethics of Representation, or Who's World Is It, Anyway?" *NCGIA Geographic Information and Society Workshop*, Friday Harbor, WA.

Markowetz, A., Chen, Y.-Y., Suel, T., Long, X. and Seeger, B. (2005). "Design and Implementation of a Geographic Search Engine", *8th International Workshop on the Web and Databases* (WebDB-2005). Baltimore, MD. http://cis.poly.edu/suel/papers/geo.pdf.

Marquesuzaà, C., Etcheverry, P. and Lesbegueries, J. (2005). "Exploiting Geospatial Markers to Explore and Resocialize Localized Documents", *First International Conference GeoSpatial Semantics*. Mexico City: Springer, 153–165.

Martin, D., Burstein, M., Hobbs, J., Lassila, O., McDermott, D., McIlraith, S., Narayanan, S., Paolucci, M., Parsia, B., Payne, T., Sirin, E., Srinivasan, N. and Sycara, K. (2004). "OWL-S: Semantic Markup for Web Services", *W3C Member Submission*. http://www.w3.org/Submission/OWL-S/.

Mason, B.C. and Dragicevic, S. (2006). "Web GIS and Knowledge Management Systems: An Integrated Design for Collaborative Community Planning", *Collaborative Geographic Information Systems*. Eds. S. Balram and S. Dragicevic. Hershey, PA: Idea Group, 263–284.

Maynard, D., Tablan, V., Bontcheva, K., Cunningham, H. and Wilks, Y. (2003). "MUSE: A Multi-Source Entity Recognition System". Netherlands: Kluwer Academic Publishers. http://gate.ac.uk/sale/muse/muse.pdf.

McCurdy, N.J. and Griswold, W.G. (2005). "A Systems Architecture for Ubiquitous Video", *3rd International Conference on Mobile Systems, Applications, and Services (MobiSys-2005)*. New York: ACM Press, 1–14.

McCurley, K.S. (2001). "Geospatial Mapping and Navigation of the Web", *10th International World Wide Web Conference (WWW-2001)*. Hong Kong: ACM Press, 221–229.

McLuhan, M. (1964). *Understanding Media: The Extension of Man*. London: Routledge and Kegan Paul.

Mengual, P. (2005). "Contribution à la Caractérisation de la Vulnérabilité des PME-PMI aux Inondations", *Thesis Report*. Nice, France: Sophia-Antipolis University.

Mennis, J.L., Peuquet, D.J. and Qian, L. (2000). "A Conceptual Framework for Incorporating Cognitive Principles into Geographical Database Representation", *International Journal of Geographical Information Science*, 14(6): 501–520.

Meyer, V. and Messner, F. (2005). "Flood Damage, Vulnerability and Risk Perception – Challenges for Flood Damage Research", *Flood Risk Management – Hazards, Vulnerability and Mitigation Measures, NATO Science Series*. Eds. J. Schanze et al. Berlin: Springer.

Michalowski, M., Ambite, J., Thakkar, S., Tuchinda, R., Knoblock, C. and Minton, S. (2004). "Retrieving and Semantically Integrating Heterogeneous Data from the Web", *IEEE Intelligent Systems*, 19: 72–79.

Mikheev, A., Grover, C. and Moens, M. (1998). "Description of the LTG System Used for MUC-7", *7th Message Understanding Conference*. Fairfax, VA. http://www-nlpir.nist.gov/related_projects/muc/.

Mills, E. (2005). "Mapping a Revolution with Mashups", *CNET News*. http://news.-com.com/mapping+a+revolution+with+mashups/2009-1025_3-5944608.html.

Mitchell, T. (2005). *Web Mapping Illustrated*. Sebastopol, CA: O'Reilly Media.

Moodley, D. and Kinyua, J.D.M. (2006). "Towards a Multi-Agent Infrastructure for Distributed Internet Applications", *8th Annual Conference on World Wide Web Applications*. Bloemfontein, South Africa. http://www.zaw3.co.za.

Moodley, D., Terhorst, A., Simonis, I., McFerren, G. and van den Bergh, F. (2006). "Using the Sensor Web to Detect and Monitor the Spread of Wild Fires", *2nd International Symposium on Geographic Information for Disaster Management* (Gi4DM-2006). Goa, India.

Moore, C. and Newman, M.E.J. (2000). "Epidemics and Percolation in Small-World Networks", *Physical Review E*, 61: 5678–5682.

Morimoto, Y., Aono, M., Houle, M.E. and McCurley, K.S. (2003). "Extracting Spatial Knowledge from the Web", *Symposium on Applications and the Internet (SAINT-2003)*. Orlando, FL: IEEE Computer Society, 326–333.

Morita, T. (2004). "Ubiquitous Mapping in Tokyo", *International Joint Workshop on Ubiquitous, Pervasive and Internet Mapping* (UPIMap-2004). Tokyo, Japan. http://www.ubimap.net/upimap2004/html/papers/UPIMap04-A-01-Morita.pdf.

Motta, E. (1999). *Reusable Components for Knowledge Modelling*. Amsterdam: IOS Press.

Motta, E., Shum, S.B. and Domingue, J. (2000). "Ontology-driven Document Enrichment: Principles, Tools and Applications", *International Journal of Human-Computer Studies*, 52(6): 1071–1109.

Müller, M., Vorogushyn, S., Maier, P., Thieken, A., Petrow, T., Kron, A., Büchele, B. and Wächter, J. (2006). "CEDIM Risk Explorer – a Map Server Solution in the Project Risk Map Germany", *Natural Hazards Earth System Science*, 6: 711–720.

Muller, P. (2002). "Topological Spatio-Temporal Reasoning and Representation", *Computational Intelligence*, 18(3): 420–450.

Na, A. and Priest, M. (2006). "Sensor Observation Service", *Document 05-088r1*, Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=12846.

Naaman, M., Paepcke, A. and Garcia-Molina, H. (2003). "From Where to What: Metadata Sharing for Digital Photographs with Geographic Coordinates", *Lecture Notes in Computer Science*, Berlin, Germany: Springer, 2888: 196–217.

Neches, R. Yao, K.-T., Bugacov, A., Kumar, V. and Eleish, R. (2001). "GeoWorlds: Integrating GIS and Digital Libraries for Situation Understanding and Management", *New Review of Hypermedia and Multimedia*, 7: 127–152.

Nejdl, W. and Wolf, B. (2002). "EDUTELLA: A P2P Networking Infrastructure Based on RDF", *Proceedings of the World Wide Web Conference*. Honolulu, HI. http://citeseer.csail.mit.edu/boris01edutella.html.

Nejdl, W., Wolpers, M., Siberski, W., Schmitz, C., Schlosser, M., Bruckhorst , I. and Löser, A. (2003) "SuperPeer-based Routing and Clustering Strategies for RDF-based Peer-to-Peer Networks", *12th World Wide Web Conference*. Budapest, Hungary. http://citeseer.ist.psu.edu/article/nejdl03superpeerbased.html.

Neteler, M. and Mitasova, H. (2004). *Open Source GIS: A GRASS GIS Approach*. 2nd Edition. Boston, MA: Springer.

New, M., Lister, D., Hulme, M. and Makin, I. (2002). "A High-resolution Data Set of Surface Climate over Global Land Areas", *Climate Research*, 21: 1–25.

Newitz, A. (2006). "Map Mashups Get Personal", *Wired*. http://www.wired.com/news/technology/1,70419-0.html.

Newman, M.E.J. (2003). "The Structure and Function of Complex Networks", *SIAM Review*, 45: 167–256.

NGA (2006). *GEOnet Names Server (GNS)*, National Geospatial-Intelligence Agency. http://earth-info.nga.mil/gns/html/index.html.

Niles, I. and Pease, A. (2001). "Towards a Standard Upper Ontology", *2nd International Conference on Formal Ontology in Information Systems (FOIS-2001)*. Eds. C. Welty and B. Smith. Ogunquit, ME. http://citeseer.ist.psu.edu/-niles01towards.html.

Nodenot, T., Loustau, P., Gaio, M., Sallaberry, C. and Lopisteguy, P. (2006). "From Electronic Documents to Problem-based Learning Environments: An Ongoing Challenge for Educational Modelling Languages", *Conference on Information Technology Based Higher Education & Training (ITHET-2006)*. Sydney, Australia.

NRC (1993). *Toward a Coordinated Spatial Data Infrastructure for the Nation*. National Research Council – Mapping Science Committee. Washington, DC: National Academy Press.

Nussbaum, R. (2000). "Pourquoi une Mission Risques Naturels?", *Risques Revue*, 42. http://www.ffsa.fr/webffsa/risques.nsf/.

OGC (1999). *Simple Features Specification for SQL*. http://portal.opengeospatial.org/ files/?artifact_id=829.

OGC (2003). *OGC Reference Model*. Ed. G. Percivall. http://portal.opengeospatial.org/files/?artifact_id=3836.

OGC (2006a). *OpenGIS® Catalog Services — ebRIM (ISO/TS 15000-3). Profile of CSW*. Ed. R. Martell. http://www.opengis.org/docs/05-025r3.pdf.

OGC (2006b). *GML in JPEG 2000 for Geographic Imagery (GMLJP2) Encoding Specification*. http://www.opengeospatial.org/standards/gmljp2.

OGC (2006c). *OGC Abstract Specifications*. http://www.opengis.org/techno/abstract.htm.

OGC (2006d). *OpenGIS Registered Products*. http://www.opengeospatial.org/resources/?page=products.

Ogren, P., Fiorelli, E. and Leonard, N.E. (2004). "Cooperative Control of Mobile Sensor Networks: Adaptive Gradient Climbing in a Distributed Environment." *IEEE Transactions on Automatic Control*, 49: 1292–1302.

Olson, G.M., Atkins, D.E., Clauer, R., Finholt, T.A., Jahanian, F., Killeen, T.L., Prakash, A. and Weymouth, T. (1998). "The Upper Atmospheric Research Collaboratory." *Interactions*, 5: 48–55.

Oracle (2005). *Oracle® Spatial User's Guide and Reference*. http://www.oracle.com/technology/documentation/spatial.html.

O'Reilly, T. (2005). "What Is Web 2.0 – Design Patterns and Business Models for the Next Generation of Software". San Francisco, CA: O'Reilly. http://www.oreillynet.com/pub/a/oreilly/tim/news/2005/09/30/what-is-web-20.html.

Parkinson, C.L. (2003). "Aqua: An Earth-Observing Satellite Mission to Examine Water and Other Climate Variables", *IEEE Transactions on Geoscience and Remote Sensing*, 41(2): 173–183.

Parr, T.W., Ferretti, M., Simpson, I.C., Forsius, M. and Kóvacs-Láng, E. (2002). "Towards a Long-Term Integrated Monitoring Programme in Europe. Network Design in Theory and Practise", *Environmental Monitoring and Assessment*, 78: 253–290.

Pavlik, J.V. (1998). *New Media Technology – Cultural and Commercial Perspectives*. Needham Heights, MA: Allyn and Bacon.

Peng, Z.-R. and Tsou, M.-H. (2003). *Internet GIS: Distributed Geographic Information Services for the Internet and Wireless Networks*. Hoboken, NJ: Wiley.

Perry, M., Hakimpour, F. and Sheth, A. (2006). "Analyzing Theme, Space, and Time: An Ontology-based Approach", *14th International ACM Symposium on Advances in Geographic Information Systems (GIS-2006)*. Arlington, VA, 147–154.

Pesch, R. (2003). "Geostatistische und multivariat-statistische Analyse der Ergebnisse des Moos-Monitorings 1990, 1995 und 2000 zur Ableitung von Indikatoren für atmosphärische Metalleinträge in Deutschland", *PhD Dissertation*. University of Vechta.

Pesch, R. and Schröder, W. (2005). "Integrative Exposure Assessment through Classification and Regression Trees on Bioaccumulation of Metals, Related Sampling Site Characteristics and Ecoregions". *Ecological Informatics*, 1(1): 55–65.

Pesch, R. and Schröder, W. (2006). "Spatiotemporal Variability of Metal Accumulation in Mosses. Analysis of Measurement Data and Metadata by Statistics and GIS", *Nova Hedwegia*, 82: 447–466.

Peuquet, D.J. (2002). *Representations of Space and Time*. New York: Guilford.

Pickles, J. (1991). "Geography, GIS and the Surveillant Society", *Papers and Proceedings of the Applied Geography Conferences*. Eds. J.W. Frazier et al. New York: State University NY Press, 14: 80–91.

Pickles, J. (1997). "Tool or Science? GIS, Technoscience, and the Theoretical Turn", *Annals of the Association of American Geographers*, 87(2): 363–372.

Pickles, J. (1999). "Arguments, Debates, and Dialogues: The GIS-Social Theory Debate and the Concern for Alternatives", *Geographic Information Systems, Principles and Technical Issues*. Eds. P.A. Longley et al. New York: Wiley, 1: 49–60.

Pietriga, E. (2002). "Isaviz: A Visual Environment for Browsing and Authoring RDF Models ", *11th International World Wide Web Conference (WWW-2002)*. Honolulu, HI.

Prud'hommeaux, E. and Seaborne, A. (2006). "SPARQL Query Language for RDF", *W3C Candidate Recommendation*. http://www.w3.org/TR/rdf-sparql-query/.

Quan, D. and Karger, D.R. (2004)."How to Make a Semantic Web Browser", *13th International World Wide Web Conference (WWW-2004)*. New York. http://citeseer.ist.psu.edu/quan04how.html.

Quan, D., Huynh, D. and Karger, D.R. (2003). "Haystack: A Platform for Authoring End User Semantic Web Applications", *International Semantic Web Conference* (ISWC-2003). Sanible Island, FL (LNCS, Vol. 2870). Eds. D. Fensel et al. Berlin: Springer, 738–753.

Ramsey, P. (2004). "A Survey of OGC Deployment". http://www.digitalearth.org/story/2004/12/1/15658/1000.

Randell, D.A., Cui, Z. and Cohn, A.G. (1992). "A Spatial Logic Based on Regions and Connections", *3rd International Conference on Knowledge Representation and Reasoning*. San Mateo, CA: Morgan Kaufmann, 165–176.

Raskin, R. (2006). "Guide to SWEET Ontologies for Earth System Science", *Technical Report*. http://sweet.jpl.nasa.gov/guide.doc.

Rauch, E., Bukatin, M. and Baker, K. (2003). "A Confidence-based Framework for Disambiguating Geographic Terms", *Workshop on the Analysis of Geographic References, Human Language Technology Conference (NAACL/HTL-2003)*. Edmonton, Canada, 50–54.

Redner, S. (1998). "How Popular Is Your Paper? An Empirical Study of the Citation Distribution", *The European Physical Journal B*, 4: 131–134.

Rodden, K. and Wood, K. (2003). "How Do People Manage Their Digital Photographs?" *Conference on Human Factors in Computing Systems (SIGCHI-2003)*. New York: ACM Press, 24–26.

Rodríguez, A.M. and Egenhofer, M.J. (2004). "Comparing Geospatial Entity Classes: An Asymmetric and Context-Dependent Similarity Measure", *International Journal of Geographical Information Science*, 18(3): 229–256.

Roman, D., Keller, U., Lausen, H., Lara, R., de Bruijn, J., Stollberg, M., Polleres, A., Feier, C., Bussler, C. and Fensel, D. (2005). "Web Service Modeling Ontology". *Applied Ontology*, 1(1): 77–106.

Roman, D., Lausen, H. and Keller, U. (2004). "Web Service Modeling Ontology Standard". *Technical Report, WSMO Working Draft*. http://www.wsmo.org/2004/d2/v0.2/20040306/.

Roush, W. (2005). "Killer Maps", *Technology Review*, 108(10): 54–60.

Rüger, S. (2005). "Putting the User in the Loop: Visual Resource Discovery", *3rd International Workshop on Adaptive Multimedia Retrieval (AMR-2005)*. Glasgow, UK. http://mmir.doc.ic.ac.uk/www-pub/amr-2005.pdf.

Rühling, A. (1994). "Atmospheric Heavy Metal Deposition in Europe – Estimations Based on Moss Analysis", *Nordic Council of Ministers*, 9. http://www.norden.org/.

Rühling, A. and Steinnes, E. (1998). "Atmospheric Heavy Metal Deposition in Europe 1995–1996", *Nordic Council of Ministers*, 15. http://www.norden.org/.

Runciman, B. (2006). "Interview with Tim Berners-Lee", *ITNOW*, 48(2): 18–21.

Sabidussi, G. (1966). "The Centrality Index of a Graph", *Psychometrika*, 31: 581–603.

Sabol, V., Kienreich, W., Granitzer, M., Becker, J., Tochtermann, K. and Andrews, K. (2002). "Applications of a Lightweight, Web-based Retrieval, Clustering, and Visualisation Framework", *4th International Conference on Practical Aspects of Knowledge Management (LNCS, Vol. 2569)*. Eds. D. Karagiannis and U. Reimer. Berlin: Springer, 359–368.

Sallaberry, C., Etcheverry, P. and Marquesuzaà, C. (2006). "Information Retrieval and Visualization Based on Documents' Geospatial Semantics", *4th IEEE International Conference on Information Technology: Research and Education (ITRE-2006)*. Tel Aviv, Israel.

Sallaberry, C., Marquesuzaà, C. and Etcheverry, P. (2006). "Spatial Information Management within Digital Libraries", *1st IEEE International Conference on Digital Information Management (ICDIM-2006)*. Bangalore, India.

Sanderson, M. and Kohler, J. (2004). "Analyzing Geographic Queries". *Workshop on Geographic Information Retrieval (SIGIR-2004)*. Sheffield, UK. http:// citeseer.ist.psu.edu/sanderson04analyzing.html.

Sarigiannis, D., Sifakis, N., Soulakellis, N., Schafer, K. and Tombrou, M. (2003). "A New Approach to Environmental Data Fusion for Integrated Assessment of Particulate Matter Loading and Its Effect on Health in the Urban Environment". *IEEE International Geoscience and Remote Sensing Symposium (IGARSS-2003)*. Toulouse, France, 7: 4579–4581.

Satoh, I. (2005). "A Location Model for Pervasive Computing Environments", *International Conference on Pervasive Computing and Communications (PerCom-2005)*. Kauai, HI, 215–224.

Schade, S. (2005). "Sensors on the Way to Semantic Interoperability", *GI-Days 2005: Geo-Sensor Networks – from Science to Practical Applications*. ifgi-Prints, Vol. 23. Münster: University of Münster.

Scharl, A. (2000). *Evolutionary Web Development*. London: Springer. http://webdev.wu-wien.ac.at/.

Scharl, A. (2001). "Explanation and Exploration: Visualizing the Topology of Web Information Systems", *International Journal of Human-Computer Studies*, 55(3): 239–258.

Scharl, A. (2004). "Web Coverage of Renewable Energy", *Environmental Online Communication*. Ed. A. Scharl. London: Springer. 25-34.

Scharl, A., Weichselbraun, A. and Liu, W. (2005). "An Ontology-based Architecture for Tracking Information across Interactive Electronic Environments", *39th Hawaii International Conference on System Sciences*. Kauai, HI: IEEE Press.

Scheibner, H., Appelrath, H.J., Jobmann, K. and Reimers, U. (2006). *Niccimon – Das Niedersächsische Kompetenzzentrum Informationssysteme für die Mobile Nutzung. Bericht und Ausblick*. Aachen: Shaker.

Schilit, B., Adams, N. and Want, R. (1994). "Context-Aware Computing Applications", *Workshop on Mobile Computing Systems and Applications*. English Lake District, UK.

Schmid, H. (1994). "Probabilistic Part-of-Speech Tagging Using Decision Trees", *Conference on New Methods in Language Processing*. Manchester, UK. http://citeseer.comp.nus.edu.sg/schmid94probabilistic.html.

Schmidt, G. (2002). "Eine multivariat-statistisch abgeleitete ökologische Raumgliederung für Deutschland". PhD thesis. Berlin: dissertation.de.

Schröder, W. and Pesch, R. (2004a). "Spatial Analysis and Indicator Building for Metal Accumulation in Mosses". *Environmental Monitoring and Assessment*, 98: 131–155.

Schröder, W. and Pesch, R. (2004b). "Integrative Monitoring Analysis Aiming at the Detection of Spatial and Temporal Trends of Metal Accumulation in Mosses". *Journal of Atmospheric Chemistry*, 49: 23–38.

Schröder, W., Anhelm, P., Bau, H., Matter, Y., Mitze, R., Mohr, K., Peichl, L., Peiter, A., Peronne, T., Pesch, R., Roostai, H., Roostai, Z., Schmidt, G. and Siewers, U. (2002). "Untersuchungen von Schadstoffeinträgen anhand von Bioindikatoren", *Abschlussbericht FuE-Vorhaben 200 64 218*. Berlin: Umweltbundesamt.

Schroeder, P.C. (1996). "Public Participation GIS: Local and Regional Potential of Spatial Technologies", *7th Annual Conference at the Atlantic Institute*. Orono, ME.

Schutzberg, A. (2005). "Geographic (and Other Types) of Metadata in the Newsroom", *Directions Magazine*. August 08, 2005. http://www.directionsmag.com/-article.php?article_id=931.

Schuyler, E. (2005). *Mapping Hacks, Tips and Tools for Electronic Cartography*. Sebastopol, CA: O'Reilly.

Schwering, A. (2005). "Hybrid Model for Semantic Similarity Measurement", *4th International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE-2005)*. Agia Napa, Cyprus: Springer, 1449–1465.

Shadbolt, N., Berners-Lee, T. and Hall, W. (2006). "The Semantic Web Revisited", *IEEE Intelligent Systems*, 21(3): 96–101.

Shahabi, C., Kolahdouzan, M.R., Thakkar, S., Ambite, J.L. and Knoblock, C.A. (2001). "Efficiently Querying Moving Objects with Pre-defined Paths in a Distributed Environment", *9th ACM International Symposium on Advances in Geographic Information Systems*. Atlanta, GA: ACM Press, 34–40.

Shapiro, C. and Varian, H.R. (1999). "The Art of Standards War", *California Management Review*, 41(2): 8–32.

Shariff, A.R., Egenhofer, M.J. and Mark, D.M. (1998). "Natural Language Spatial Relations between Linear and Areal Objects: The Topology and Metric of English Language Terms", *International Journal of Geographical Information Science*, 12(3): 215–246.

Sheth, A. (1999). "Changing Focus on Interoperability in Information Systems: From System, Syntax, Structure to Semantics", *Interoperating Geographic Information Systems*. Eds. M.F. Goodchild et al. Norwell, MA: Kluwer Academic Publishers, 5–30.

Shiffer, M.J. (1999). "Managing Public Discourse: Towards the Augmentation of GIS with Multimedia", *Geographic Information Systems, Management Issues and Applications*. Eds. P. A. Longley et al. New York: Wiley, 2: 723–732.

Shneiderman, B. and Plaisant, C. (2004). *Designing the User Interface: Strategies for Effective Human-Computer Interaction*. Boston, MA: Addison-Wesley.

Sieber, R. (2006). "Public Participation Geographic Information Systems: A Literature Review and Framework", *Annals of the Association of American Geographers*, 96(3): 491–507.

Sierhuis, M., Clancey, W.J. and Sims, M.H. (2002). "Multiagent Modeling and Simulation in Human-Robot Mission Operations Work System Design", *35th Annual Hawaii International Conference on System Sciences*. Ed. R.H. Sprague. Kona, HI: IEEE Computer Society Press, 191–200.

Siewers, U. and Herpin, U. (1998). "Schwermetalleinträge in Deutschland. Moos-Monitoring 1995", *Geologisches Jahrbuch*, Sonderhefte, Heft SD 2. Stuttgart: Bornträger.

Siewers, U., Herpin, U. and Strassburger, S. (2000). "Schwermetalleinträge in Deutschland. Moos-Monitoring 1995", Teil 2, *Geologisches Jahrbuch*, Sonderhefte, Heft SD 3. Stuttgart: Bornträger.

Simonis, I. (2005). "Sensor Planning Service". *Document 05-089r1*. Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=12971.

Simonis, I. (2006). "Sensor Alert Service", *Document 06-028*. Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=13921.

Simonis, I. and Wytzisk, A. (2003). "Web Notification Service", *Document 03-008r2*. Wayland, MA. http://portal.opengeospatial.org/files/?artifact id=1367.

Sirin, E. (2004). *OWL-S API*. http://www.mindswap.org/2004/owl-s/api/.

Smart, P., Abdelmoty, A.I. and Jones, C.A. (2006). "Visual Editor for Validating Geo-Ontologies in OWL", *GIS Research UK Conference (GISRUK-2006)*. Nottingham, UK.

Smith, B. and Mark, D.M. (1999). "Ontology with Human Subjects Testing: An Empirical Investigation of Geographic Categories", *American Journal of Economics and Sociology*, 58: 245–272.

Smith, D.A. and Crane, G. (2001). "Disambiguating Geographic Names in a Historical Digital Library", *5th European Conference on Research and Advanced Technology for Digital Libraries*. Darmstadt, Germany, 127–136.

Smith, D.A. and Mann, G.S. (2003). "Bootstrapping Toponym Classifiers", *HTL/NAACL Workshop on the Analysis of Geographic References (HTL/NAACL-2003)*. Edmonton, Canada, 45–49.

Smith, M.K., Welty, C. and McGuinness, D. (2004). "Web Ontology Language (OWL) Guide Version 1.0", *World Wide Web Consortium*. http://www.w3.org/TR/2004/REC-owl-guide-20040210/.

Snavely, N., Seitz, S.M. and Szeliski, R. (2006). "Photo Tourism: Exploring Photo Collections in 3D", *ACM Transactions on Graphics (SIGGRAPH-2006)*. New York: ACM Press, 835–846.

Spärck Jones, K. (1972). "A Statistical Interpretation of Term Specificity and Its Application in Retrieval." *Journal of Documentation,* 28: 11–21 and 60: 493–502.

Spohrer, J. (1999). "Information in Places", *IBM Systems Journal,* 38(4): 602–628.

Stapleton, C. and Hughes, C.E. (2006). "Believing Is Seeing: Cultivating Radical Media Innovations", *IEEE Computer Graphics and Applications,* 26(1): 88–93.

Stedman, J.R., Bush, T.J., Murrels, T.P. and King, K. (2001). "Baseline PM_{10} and NO_x Projections for PM_{10} Objective Analysis", *AEA Technology,* National Environmental Technology Centre. Report AEAT/ENV/R/0726. http://www.aeat.co.uk/netcen/airqual/reports/naqs2001/aeat-env-r-0726.pdf.

Stephenson, N. (1992). *Snow Crash.* New York: Bantam Books.

Stonebraker, M. (1996). *Object-Relational DBMS: The Next Great Wave.* San Francisco, CA: Morgan-Kaufmann.

Strogatz, S.H. (2001). "Exploring Complex Networks", *Nature,* 410: 268–276.

Swann, G.M.P. (2002). "The Functional Form of Network Effects", *Information Economics and Policy,* 14(3): 417–429.

Tan, P.-N., Steinbach, M. and Kumar, V. (2005). *Introduction to Data Mining.* Boston, MA: Addison-Wesley.

Tang, T.T., Hawking, D., Craswell, N. and Sankaranarayana, R.S. (2004). "Focused Crawling in Depression Portal Search: A Feasibility Study", *9th Australasian Document Computing Symposium (ADCS 2004).* Eds. P. Bruza et al. Melbourne: University of Melbourne, 2–9.

Tate, A., Buckingham Shum, S., Dalton, J., Mancini, C. and Selvin, A. (2006). "Co-OPR: Design and Evaluation of Collaborative Sensemaking and Planning Tools for Personnel Recovery". *Knowledge Media Institute Technical Report.* http://kmi.open.ac.uk/publications/index.cfm?trnumber=KMI-06-07.

Taubman, D.S. and Marcellin, M.W. (2002). *JPEG 2000: Image Compression Fundamentals, Standards and Practice.* Norwell, MA: Kluwer Academic Publishers.

Tebri, H. (2004). "Formalisation et Spécification d'un Système de Filtrage Incrémental d'Information", *PhD Thesis.* Université Paul Sabatier de Toulouse, France.

Tejada, S., Knoblock, C. and Minton, S. (2001). "Learning Object Identification Rules for Information Integration", *Information Systems,* 26(8): 607–633.

Teranishi, Y., Kamahara, J. and Shimojo, S. (2006). "MapWiki: A Ubiquitous Collaboration Environment on Shared Maps", *International Symposium on Applications and the Internet Workshops.* Phoenix, AZ, 146–149.

Tochtermann, K., Riekert, W.-F., Wiest, G., Seggelke, J. and Mohaupt-Jahr, B. (1997). "Using Semantic, Geographical, and Temporal Relationships to Enhance Search and Retrieval in Digital Catalogs", *1st European Conference on Research and Advanced Technology for Digital Libraries (LNCS, Vol. 1324).* Pisa, Italy, 73–86.

Torres, M. (2002). "Semantics Definition to Represent Spatial Data", *International Workshop on Semantic Processing of Spatial Data* (Geopro-2002). Mexico City, Mexico.

Toyama, K., Logan, R. and Roseway, A. (2003). "Geographic Location Tags on Digital Images", *11th ACM International Conference on Multimedia*. New York: ACM Press, 156–166.

Tummarello, G., Morbidoni, C. and Nucci, M. (2006). "Enabling Semantic Web Communities with DBin: An Overview", *International Semantic Web Conference*. Athens, GA.

Tummarello, G., Morbidoni, C., Petersson, J., Puliti, P. and Piazza, F. (2004). "RDFGrowth, a P2P Annotation Exchange Algorithm for Scalable Semantic Web Applications", *International Workshop on Peer-to-Peer Knowledge Management (P2PKM-2004)*. Boston, MA.

Tummarello, G., Morbidoni, C., Puliti, P. and Piazza, F. (2005). "Signing Individual Fragments of an RDF Graph", *14th International World Wide Web Conference (WWW-2005)*. Chiba, Japan.

Turner, A. (2006). *Introduction to Neogeography*. Sebastopol, CA: O'Reilly Press.

U.S. Census Bureau (1990). *Frequently Occurring First Names and Surnames from the 1990 Census*. http://www.census.gov/genealogy/names/.

Udell, J. (2005). Annotating the Planet with Google Maps. *InfoWorld*. March 4, 2005: http://www.infoworld.com/article/05/03/04/10OPstrategic_1.html.

UNECE (United Nations Economic Commission for Europe Convention on Long Range Transboundary Air Pollution) (2005). "Monitoring of Atmospheric Heavy Metal Deposition in Europe Using Bryophytes. Experimental Protocol 2005/2006 Survey". Bangor, UK: UNECE ICP Vegetation.

United States Department of the Interior (2003). *Geospatial One-Stop Website*. http://www.geodata.gov/.

United States Geological Survey (2004). *National Earthquake Information Center Website*. http://neic.usgs.gov/.

United States National Research Council (1999). *Distributed Geolibraries: Summary of a Workshop*. http://www.nap.edu/html/geolibraries/.

USGS (2005). *Geographic Names Information System (GNIS)*. U.S. Board on Geographic Names. http://geonames.usgs.gov/domestic/index.html.

Vahidov, R. (2005). "Intermediating User-DSS Interaction with Autonomous Agents", *IEEE Transactions on Systems, Man and Cybernetics*, 35(6): 964–970.

Vandeloise, C. (1986). *L'espace en Français: Sémantique des Prépositions Spatiales*. Paris: Editions du Seuil.

Vasudevan, V. (2001). *A Web Services Primer*. http://webservices.xml.com/pub/a/ws/2001/04/04/webservices/index.html.

Vretanos, P.A. (2005). "Web Feature Service (WFS) Implementation Specification 1.1", *Open Geospatial Consortium*. http://portal.opengeospatial.org/-files/?artifact_id=8339.

W3C (2002). *Describing and Retrieving Photos Using RDF and HTTP*. World Wide Web Consortium. http://www.w3.org/TR/photo-rdf/.

W3C (2003). *Basic Geo (WGS84 lat/long) Vocabulary*. World Wide Web Consortium. http://www.w3.org/2003/01/geo/.

W3C (2004). *OWL Web Ontology Language Guide, W3C Recommendation 10 February 2004*. World Wide Web Consortium. http://www.w3.org/TR/owl-guide/.

W3C (2006a). *SPARQL Protocol and RDF Query Language*, World Wide Web Consortium. http://www.w3.org/TR/rdf-sparql-query/.

W3C (2006b). *OWL Web Ontology Language Overview*. World Wide Web Consortium. http://www.w3.org/TR/owl-features/.

W3C-Cal (2002). *RDF Calendar Workspace*, World Wide Web Consortium. http://www.w3.org/2002/12/cal/.

W3C-Exif (2003). *Exif Vocabulary Workspace – RDF Schema*, World Wide Web Consortium. http://www.w3.org/2003/12/exif/.

W3C-RDF (2002). *Resource Description Framework*, World Wide Web Consortium. http://www.w3.org/RDF/.

Wang, C., Xie, X., Wang, L., Lu, Y. and Ma, W.-Y. (2005). "Detecting Geographic Locations from Web Resources", *2nd International Workshop on Geographic Information Retrieval (GIR-2005)*. Bremen, Germany, 17–24.

Want, R. (2006). "An Introduction to RFID Technology", *IEEE Pervasive Computing*, 5(1): 25–33.

Wasserman, S. and Faust, K. (1994). *Social Network Analysis*. Cambridge: Cambridge University Press.

Weiner, D., Harris, T.M. and Craig, W.J. (2002). "Community Participation and Geographic Information Systems", *Community Participation and Geographic Information Systems*. Eds. W. J. Craig et al. New York: Taylor and Francis, 3–16.

Weiss, S.M., Indurkhya, N., Zhang, T. and Damerau, F.J. (2005). *Text Mining – Predictive Methods for Analyzing Unstructured Information*. New York: Springer.

Weissenberg, N., Voisard, A. and Gartmann, R. (2004). "Using Ontologies in Personalized Mobile Applications", *International Symposium on Geographical Information Systems*. Washington, DC, 2–11.

Westermann, U. and Jain, R. (2006). "Events in Multimedia Electronic Chronicles (E-Chronicles)", *International Journal on Semantic Web and Information Systems*, 2(2): 1–23.

White, S. and Smyth, P. (2003). "Algorithms for Estimating Relative Importance in Networks", *Proceedings 9th Conference of the ACM Special Interest Group on Knowledge Discovery in Data Mining*, SIGKDD. Washington, DC, 266–275.

Wick, J.V., Callas, J.L., Norris, J.S., Powell, M.W. and Vona, M.A. (2005). "Distributed Operations for the Mars Exploration Rover Mission with the Science Activity Planner", *Aerospace IEEE Conference*, 4162–4173.

Widlöcher, A. and Bilhaut, F. (2005). "La Plate-forme Linguastream: Un Outil d'Exploration Linguistique sur Corpus", *12th Conférence Traitement Automatique du Langage Naturel*. Dourdan, France.

Wilk, C. (2005). "Welt in Händen: Arbeiten mit Google Earth und World Wind", *iX – Magazin für professionelle Informationstechnik*, 12/05: 50–62.

Wise, J.A. (1999). "The Ecological Approach to Text Visualization", *Journal of the American Society for Science*, 50(9): 814–835.

Wood, J. (2005). "'How Green Is My Valley?' Desktop Geographic Information Systems as a Community-based Participatory Mapping Tool", *Area*, 37(2): 159–170.

Wood, M. (2003). "Some Personal Reflections on Change, the Past and Future of Cartography", *The Cartographic Journal*, 40(2): 111–115.

Woodruff, A.G. and Plaunt, C. (1994). "GIPSY: Georeferenced Information Processing System", *Journal of the American Society for Information Science*, 45(9): 645–655.

Worboys, M. (2005). "Event-oriented Approaches to Geographic Phenomena", *International Journal of Geographical Information Science*, 19(1): 1–28.

WSML (2005). The Web Service Modeling Language WSML (D16.1v0.21). http://www.wsmo.org/TR/d16/d16.1/v0.21/.

WSMO (2005a). WSMO Primer (D3.1v0.1). http://www.wsmo.org/TR/d3/d3.1/.

WSMO (2005b). *A Conceptual Comparison between WSMO and OWL-S (D4.1v0.1)*. http://www.wsmo.org/TR/d4/d4.1/v0.1/.

Xu, C. and Cheung, S.C. (2002). "Inconsistency Detection and Resolution for Context-aware Middleware Support", *International Symposium on the Foundations of Software Engineering*. Lisbon, Portugal: ACM Press, 336–345.

Yangarber, R. and Grishman, R. (1998). "NYU: Description of the Proteus/PET System as Used for MUC-7 ST", *7th Message Understanding Conference*. Fairfax, VA: http://www-nlpir.nist.gov/related_projects/muc/.

Zipf, G.K. (1949). *Human Behaviour and the Principle of Least Effort*. Cambridge, MA: Addison-Wesley.

Zong, W., Wu, D., Sun, A., Lim, E. and Goh, D.H. (2005). "On Assigning Place Names to Geography Related Web Pages", *5th ACM/IEEE-CS Joint Conference on Digital Libraries* (JCDL-2005). Denver, CO: ACM Press, 354–362.