

## **Short Curriculum Vitae: Kim H. Veltman**

Born: Workum, Friesland, Netherlands (5 September 1948)

Nationality: Canadian (1951)

### **Address**

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### **Education**

B. A., (Honours History), York University (Toronto), 1969

M. A., (Renaissance History), University of Toronto, 1970

D. Phil., (History, Philosophy of Science), Warburg Institute, (London, England), 1975

### **Languages**

Read, speak and write: English, French, German

Read, speak: Dutch, Italian

Read: Latin, Spanish, Portuguese, Arabic, Greek, Frisian

Some knowledge: Danish, Swedish

### **Employment and Teaching**

1972 University of London, Warburg Institute: Seminar with Dr. A. I. Sabra

1983-1984 Universität Göttingen: "Lehrauftrag" on Leonardo da Vinci

1984-1992 University of Toronto, IHPST, Assistant Professor, Canada Research Fellow

1991 (01-05) Università degli studi, Siena, Facoltà di Lettere, Visiting Professor

1992 (04-06) La Sapienza, Rome, Visiting Professor

1992-1995 University of Toronto, Faculty of Education

1993 (05-06) Università di Roma II, Tor Vergata, Visiting Professor

1994-1996 Carleton University, Visiting Professor

1995-1998 University of Toronto, Faculty of Information Studies, Graduate School

1998-2005 Scientific Director, Maastricht McLuhan Institute

2006- Present Scientific Director, Virtual Maastricht McLuhan Institute

## Research

1971-1975, Warburg Institute, University of London, Doctorate on history of perspective

1975-1977, Wellcome Institute for the History of Medicine: Beginning of *Studies on Leonardo da Vinci* (3 volumes) and *The Sources and Literature of Linear Perspective* (4 volumes)

1977-1984, Herzog August Bibliothek: Leonardo and Perspective

1984-1986, University of Toronto, Institute for the History and Philosophy of Science and Technology: Leonardo, perspective and proportional compass.

1986-1987 Getty Center for the History of Art and the Humanities, Santa Monica: Perspective

1992-1996 University of Toronto, McLuhan Program, Perspective Unit: Development of a System for Universal Media Searching, which becomes part of G7 Pilot Project 5 and represents Canada in Brussels and Halifax (1995) and at ISAD in Midrand (1996).

1996-1998, Advisor to CEO, Bell MediaLinx on new media and culture and to head of Advanced Networks (Nortel).

1998-1999 Establish new Maastricht McLuhan Institute

2000-2001 Write book on *Augmented Knowledge and Culture* to develop concepts of virtual reference room, dynamic knowledge and augmented culture

2002-2003 Co-ordinator of E-Culture Net as a thematic network (EU IST project) as preparatory for a Network of Centres of Excellence in Digital Cultural Heritage.

2003-2005 Further development of Perspective Bibliography and Leonardo Project available freely at [www.sumscorp.com](http://www.sumscorp.com)

2005/2006 Founded Virtual Maastricht McLuhan Institute. Invited to become founding member of proposed new European University of Culture (Paris); Permanent consultant to Scuola Normale Superiore, Pisa

2006/2008 Continued work on New Models of Culture. 2 Doctoral Students in Smolensk and Moscow who also lead a team of students to further develop SUMS. Website at: <http://sumscorp.com/kavai/newmethods/>

## Scholarships, Awards

1966-1970 York University Entrance Scholarship renewed for four years

1970-1971 Province of Ontario Grant

1971-1975 Canada Council Doctoral Fellowship

1972 Scholarship, Institut Bourghuiba, Tunis

1977 Scholarship, Centro Italiano di studi sull'alto Medioevo, Spoleto

1975-1977 Research Fellowship, Wellcome Trust

1977-1979 Research Fellowship, Volkswagen Foundation

1979-1981 Research Fellowship, Alexander von Humboldt and Thyssen Foundations



and summer schools mainly on culture. He is concerned with open source developments, with the potentials of networks for creativity, and with privacy on the Internet. He has had projects on new Media with the Canadian Heritage Information Network (CHIN), has acted as advisor on a number of committees and think-tanks ranging from local (Heerlen) and provincial (e.g. Owl Television) to national (CHIN, SSSHRC, Couchiching Conference, Canada ; NWO, Netherlands) and international (European Commission). He was the youngest President of the Canadian Universities Society of Great Britain, was a Trustee of the Canada Scholarship at Cambridge. He is a lover of music and an enthusiastic traveller. In younger years he climbed in the Rockies and the Dolomites. He remains an avid walker, which includes hiking in Nepal.

## Publications

The author has published four books. 8 further volumes are finished and awaiting funds for publication (5 on perspective, 3 on Leonardo). He has published 70 sections in books, 19 articles in refereed journals, 19 on-line articles, and 15 reviews. In addition he has numerous articles available online on the topics of Perspective, Leonardo da Vinci, New Media and New Methods for Culture. The majority of the published and unpublished works are online at [www.sumscorp.com](http://www.sumscorp.com). As representative of recent work one might mention:

1) "The New Book of Nature", *eARCOM 07. Sistemi informativi per l'Architettura Convegno Internazionale*, Con il Patrocinio di UNESCO. Ministero dei Beni Culturali, CIPA, Regione Marche, Ancona-Portonovo Hotel La Fonte, 17-18-19 Maggio 2007, Ancona: Alinea Editrice, 2007, pp. 659-669.

2) "Towards a Semantic Web for Culture," *JoDI (Journal of Digital Information)*, Volume 4, Issue 4, Article No. 255, 2004-03-15. Special issue on New Applications of Knowledge Organization Systems. See: <http://jodi.ecs.soton.ac.uk/Articles/v04/i04/Veltman/> (87 pp.).

3) "Debate e investigacion: Deasfios de la aplicacion de las TIC al patrimonio cultural," *Boletin PH 46, Instituto Andaluz del Patrimonio Historico*, Seville, December 2003, pp.26-41. Then as conference proceeding in English under title, "Forecast of Application of IT in cultural heritage in the next decade," *JRES 2003, 5emes Journées Réseaux, Lille, Novembre 2003*, Lille, pp. 13-37. Also as CD-ROM. Reprint in French: "Les defies aux applications des technologies de l'information et de la Communication dans le patrimoine pour les prochaines décennies."

3) E-Culture, Art History and Museum Studies," *Changing the way research is done. The user perspective on e-infrastructure*. Brussels: European Commission, December 2003, pp. 66-67. Available on-line at: <ftp://ftp.cordis.lu/pub/ist/docs/rm/veltman.pdf>

4) "Les répercussions des nouveaux médias," *L'avenir des musées*," Paris: Editions de la Réunion des Musées Nationaux, Musée du Louvre, 2001, pp. 383-395.

The selection below shows only published books and articles, omits almost all online articles, all reviews and provides as many other publications as possible while keeping within the 8 page limit. Those focused on new media are privileged. A number of specialist articles on Leonardo da Vinci and Perspective are omitted. The order is inverse chronological.

## Books

*Understanding New Media: Augmented Knowledge and Culture*, University of Calgary Press (2005, c. 689 pp.).

*Frontiers in Conceptual Navigation for Cultural Heritage*, Toronto: Ontario Library Association, 1999.

*Leonardo's Method*, Brescia: Centro Ricerche Leonardiane, 1993.

*Leonardo da Vinci Studies I: Linear Perspective and the Visual Dimensions of Science and Art*, Munich: Deutscher Kunstverlag, 1986.

## Sections in Books

“Kultur und Wissen im digitaler Zeitalter,” *Das Gesicht der Welt. Medien in der digitalen Kultur*, Munich: Wilhelm Fink Verlag, 2004, pp. 13-29.

“Edutainment, Technotainment e cultura,” and Culture,” *Cultura in Gioco. Le nuove frontiere di musei, didattica e industria culturale nell’era dell’interattività*,” Florence: Giunti, 2004, pp. 165-205.

“Challenges and Potentials for Sharing between the Network of Excellence For Research and Education on Digital Silk Roads (NERE/DSR) and E-Culture Net,” *Second UNESCO Digital Silk Roads Conference*, Nara, 10-12 December 2003, Tokyo: NII, 2004, pp. 37-48.

“Towards New Cultural Histories in a Networked World,” *EVA Moscow*, Tretyakov Gallery, Moscow, 1-5 December 2003, Moscow: Centre PIC, 2003, pp. 66-75. Also in Russian.

“Trends and perspective: the new technologies,” *European Museum Forum*, Palazzo Reale di Pisa, 2001, Quaderni. Cultura Europea e Musei, Pontedera: Fondazione Piaggio, Nuova Serie, no. 1, 2002, pp. 144-157. With an Italian translation: “Tendenze e prospettive: le nuove tecnologie.”

“Challenges for a Semantic Web,” *Semantic Web Workshop 2002. Proceedings of the International Workshop on the Semantic Web 2002 (at the Eleventh International World Wide Web Conference)*, Hawaii, May 7, 2002, Honolulu, Hawaii, pp. 16-22. Position paper also published electronically at:

<http://semanticweb2002.aifb.uni-karlsruhe.de/proceedings/Position/veltmann.pdf>. Reprinted in *Cultivate Interactive*, Issue 7, June 2002: <http://www.cultivate-int.org/issue7/semanticweb/>.

European Networks of Excellence and Global Digital Culture,” *EVA-Beijing*, Abstracts, Tsinghua University, Beijing, April 2002, pp. 72-75.

“Syntactic and Semantic Interoperability, New Approaches to Knowledge and the Semantic Web,” *New Review of Information Networking*, Cambridge: Taylor Graham, Volume 7, 2001, pp. 159-183.

“A (European) Network of Centres of Excellence for Augmented Digital Culture,” *CULTH2: Die Zukunft des Digitalen Kulturellen Erbes, The Future of Digitized Cultural Heritage*, Vienna: MUMOK, Museum Moderner Kunst Stiftung Ludwig Wien, 2002, pp. 43-47.

“European Networks of Excellence and Japanese/UNESCO Silk Roads,” *Tokyo Symposium for Digital Silk Roads, UNESCO, National Institute of Informatics, National Center of Sciences, Tokyo, 11-13 December, 2001*, Tokyo: National Institute for Informatics, 2002. pp. 135-145.

“Developments and Challenges in Digital Culture,” *Proceedings of the Moscow EVA Conference*, Moscow: Russian Ministry of Culture, 2001, pp. 33-39. Separate publication of same in Russian: *EVA 2001 Moskva*, pp. 1-4-1 to 1-4-4.

"La crescita nel settore dei musei virtuali," *Museo Contro Museo. Le strategie, gli strumenti, i risultati*, [Civita Annual Report 2001], Florence: Giunti, 2001, pp. 260-296.

“Abstract: Città ideale e città reale: I paradossi della prospettiva,” *Imago urbis. L'immagine della città nella storia d'Italia*, Bologna, 5 September 2001, Bologna: Università di Bologna, pp. 20-21, (+CD ROM).

Abstract: The Need for a Cultural Grid,” *Nederlands ICT-Kenniscongres <2001>, 6 en 7 September 2001*, Nederlands Congres Centrum, Den Haag, p. 39. [www.ict-kenniscongres.nl](http://www.ict-kenniscongres.nl)

"Scientific Visualization and Virtual Worlds, Augmented and Mixed Reality," *International Conference on Augmented Virtual Environments and Three-Dimensional Imaging (EUROIMAGE ICAV3D 2001)*, Mykonos, 2001 Thessaloniki: Publishing ZITI, p. 252. Cf. <http://www.iti.gr/ICAV3D/>.

"History of Art About and By Means of Computers," *ARCO 2001 Conference, Arco Noticias 20*, Madrid, 2001, pp. 56-61.

“New Media and Transformations in Knowledge,” based on an opening keynote: “Metadata und die Transformation des Wissens,” *Euphorie Digital? Aspekte der Wissensvermittlung in Kunst, Kultur und Technologie*, Heinz Nixdorf Museums Forum, Paderborn, September 1998, Paderborn: Rheinisches Archiv und Museumsberatung und Heinz Nixdorf Museum, 2001, pp. 35-62.

"Museum im Internet- eine Neue Bildungschance Neue Herausforderungen an die Museen," *ICOM: Internationales Symposium Lindau, Das Museum als Global Village*, Frankfurt am Main: Peter Lang, 2001, pp. 63-75.

"A Proposal Concerning the Reorganization of Knowledge," *Information: Management, Sources and Other Studies: Essays in honour of Professor K. Navlani*, ed. Ashu Shokeen, I. V. Malhan, T. D. Tilwani, M. P. Satija, New Delhi: Ess Ess Publications, 2001, vol. II, pp. 12-35.

"The New Sphere of Knowledge, A Proposal for a Monastery of the 21st Century, *d'Land e-culture*, Luxembourg, 47 Jahrgang, 8 September 2000, p. 7. Originally published on the Internet in 1997. (<http://www.give.at/give/monastery21.html>).

"Mesure, quantification et science", *L'époque de la Renaissance. Tome IV Crises et essors nouveaux*, Amsterdam: John Benjamins, 2000, pp. 401-415.

"European Network of Centres of Excellence in Digital Cultural Heritage and ICT," *EVA '99 Moscow, Proceedings. New Information Technologies in the Cultural Area in the New Millennium*, Moscow: Centre PIC, 1999, pp. 10~3~1-3.

"Conceptual Navigation in Multimedia Knowledge Spaces," *TKE-1999, 5th International Congress and Workshops on Terminology and Knowledge Engineering*, Vienna: TermNet, 1999, pp. 1-27.

"Digital Reference Rooms: Access to Historical and Cultural Dimensions of Knowledge," *INET '99 Conference, San Jose*, 1999, 22 pp. (CD-ROM and Internet)

"Towards a Global Vision of Meta-data: A Digital Reference Room," *Proceedings of the 2<sup>nd</sup> International Conference. Cultural Heritage Networks Hypermedia*, Milan: Politecnico di Milano, 1999, pp. 199-209.

"World Access to Cultural Heritage: An Integrating Strategy", Acts of Congress: *Beni Culturali. Reti Multimedialità*, Milan: Politecnico di Milano, 1999, pp. 69-80.

"Frontiers in Conceptual Navigation," *Herausforderungen an die Wissensorganisation: Visualisierung, multimediale Dokumente, Internetstrukturen, 5. Tagung der Deutschen Sektion der Internationalen Gesellschaft für Wissensorganisation, Berlin, October 1997*, Hrsg. H. Czap, H. P. Ohly, S. Pribbenow, Würzburg: Ergon Verlag, 1998, pp. 129-139. The proceedings contain an abstract which appears in its full form in *Knowledge Organization*, vol. 24, no. 4, 1997, pp. 225-245.

"New Roles for Education through the Internet", *INET '97 Conference, Kuala Lumpur*, 1997, (on CD-ROM and at [http://www.isoc.org/inet/proceedings/D3/D3\\_2.HTM](http://www.isoc.org/inet/proceedings/D3/D3_2.HTM)).

"What Must be Done to realise the Scenarios?," *Multimedia Access to Europe's Cultural Heritage. Bridging the Gap between Museums and Industry, Scenarios for Market Development*, Brussels: ACTS Central Office, 1997, pp. 67-77.

"Piero della Francesca and the Two Methods of Renaissance Perspective", *Convegno internazionale: Piero della Francesca 500 anni, 1492-1992*, Urbino, Arezzo, Sansepolcro, October 1992, 1996, pp. 407-419.

"Why Computers are Transforming the Meaning of Education," ED-Media and ED-Telecomm Conference, Calgary, June 1997, ed. Tomasz Müldner, Thomas C. Reeves, Charlottesville: Association for the Advancement of Computing in Education, 1997, vol. II, pp. 1058-1076.

"Elektronische Medien, Die Wiedergeburt der Perspektive und die Fragmentierung der Perspektive": *Illusion und Simulation*, ed. Stefan Iglhaut, Florian Rötzer, Elisabeth Schweeger, Munich: Cantz Verlag, 1995, pp. 26-48. English Translation: "Electronic Media, The Rebirth of Perspective and the Fragmentation of Illusion": *Electronic Culture: Technology and Visual Representation*, ed. Timothy Druckrey, New York: Aperture, pp. 208-227.

"New Media and Copyright from an International Viewpoint", *Protecting and Exploiting Copyright in Multimedia, New Problems...New Solutions*, Toronto: The Canadian Institute, 1995, section II, pp. 1-10.

"A Databank on Perspective: The Concept of Knowledge Packages", *Metodologia della ricerca: orientamenti attuali. Congresso internazionale in onore di Eugenio Battisti*, Milan, 1991, *Arte Lombarda*, Milan, 1994, vol. 106-107, n. 3-4, parte secunda, pp. 166-170.

"Knowledge package construction and conceptual navigation using a System for Universal Media Searching", *Writers at work: professional writing in the computerized environment*, ed. Thea van der Geest, Mike Sharples, Heidelberg: Springer Verlag, 1996, pp. 207-215.

"How the Information Highway can Transform Education. Reflections on McLuhan's Vision", *Multicomm '94, Program and Proceedings*, Vancouver: University of British Columbia Continuing Studies, 1994, pp. 221-247.

"The Electronic Highway and Education: New Doors to keep Open", *Learntec 93, Europäischer Kongress für Bildungstechnologie und betriebliche Bildung, Tagungsband*, ed. Uwe Beck, Winfried Sommer, Berlin: Springer Verlag, pp. 423-434.

"Percezione, prospettiva e rappresentazione nell'America Settentrionale": *Specchi americani. La filosofia europea nel nuovo mondo*, ed. Caterina Marrone, G. Coccoli, G. Santese, F. Ratto, Rome: Castelvechi, 1994, pp. 287-345. (Contatti 6, III convegno di studi filosofici di San Sepolcro).

"Computers and the Transformation of Knowledge", *The Challenge of Lifelong Learning in an Era of Global Change*, Couchiching Institute on Public Affairs, 1993 Conference Proceedings, Toronto, pp. 23-25.

"Developments in Perspective", *Visual Mathematics*, ed. Michele Emmer, Cambridge, Mass.: M.I.T. Press, 1993, pp. 199-205.

"Narrative, Perspective and the Orders of the Church", *I Meeting Siena-Toronto, Atti, [Acts of Meeting in celebration of the 750th anniversary of the University of Siena, 1991, Siena]*, ed. S. Forconi, Siena: Edizioni Alsaba, 1993, pp. 123-162.

"A New Classification for Art," *Die Klassifikation und ihr Umfeld. Proceedings 10. Jahrestagung der Gesellschaft für Klassifikation eV*, eds. P. O. Degens et al., (Frankfurt: Indeks Verlag, 1986), pp.77-84, (Studien zur Klassifikation, Bd. 17).

"Multidimensional Bibliography and Classification, Eröffnungsvortrag": *Anwendungen in der Klassifikation. Proceedings 8 Jahrestagung der Gesellschaft für Klassifikation eV*, ed. Rolf G. Hensler (Teil I), (Hof Geismar, 1984), (Frankfurt: Indeks Verlag, 1984), pp.57-75. (Studien zur Klassifikation, Bd. 14 SK 14)

"Visualization and Perspective. Visualizzazione e prospettiva," *Leonardo e l'eta della ragione*, eds. Enrico Bellone e Paolo Rossi, (*Scientia*, Milan, 1982), pp.185-210 (English), pp. 211-224 (Italian).

"Panofsky's Perspective: a Half Century Later," *Atti del convegno internazionale di studi: la prospettiva rinascimentale, Milan 1977*, ed. Marisa Dalai-Emiliani (Florence: Centro Di, 1980), pp.565-584.

#### **Articles in Refereed Journals:**

"Frontiers in Conceptual Navigation," *Knowledge Organization*, Würzburg, vol. 24, 1998, n. 4, pp. 225-245.

"Frontiers in Electronic Media", *Interactions Journal of the ACM*, New York, July-August 1997, pp. 32-64.



Guest Editor of the first issue of *Knowledge Organization* (formerly *International Classification*), including an editorial "Computers and the Visual Arts" and an article "Electronic Media and Visual Knowledge", Frankfurt, vol. 20, no. 1, (1993), pp. 2-3, 47-53.

"Computers and a new Philosophy of Knowledge", *International Classification*, Frankfurt, vol. 18, (1991), pp. 2-12.

"Thoughts on the Reorganization of Knowledge", *Automatisierung in der Klassifikation eV*, ed. Ingetraut Dahlberg (Teil I), Königswinter/Rhein, 5.-8. (April 1983), (Frankfurt: Indeks Verlag, 1983), pp.141-150. (*Studien zur Klassifikation*, Bd. 13, SK 13).