

Merja Bauters

Department of Philosophy, History, Culture and Art Studies 2010-2017

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## Curriculum vitae

### Education and degrees

#### Matriculation

Secondary school of Munkkiniemi, Helsinki, Magna cum laude 31.05.1989

University of Helsinki, Faculty of Arts, Institute For Art Research, Aesthetics

Master of Arts (MA), 1995

Doctor Philosophy (PhD), Changes in beer labels and their meaning: a holistic approach to semiotic process 2007

### Professional Experience Record

Lecturer, Helsinki Metropolia University of Applied Sciences. 1998-

Subjects: Usability, User interface design, User Centred design approaches, Visual design, Communication, Team & project work

Lecturer, University of Helsinki, 2005-

Subjects: "Semiotics and communication", "Semiotic methodology", "Semiotics of Cultural Artefacts" and "Sociosemiotics"

EU-project NetPro (Network-based project learning tools) from 1999-2004, address: <http://netpro.evtek.fi/>, Project member, 1999-2004

Cooperation project organizer, critical media reading promoting website. Partners: Elisa phone company; University of Art and Design, Helsinki; Eva Saro (Swish artist), address: <http://www.youwatchit.net> 2000

Developing Knowledge-Practices Laboratory, KP-Lab, (<http://www.kp-lab.org/>) – IST project for EU's Sixth Framework Program (2006-2011) where been a usability and user experience specialist

Coop-PBLinVET, Leonardo Da Vinci 2010-2012, Promoting Project & Practice Based Learning supported by collaborative learning technologies in Initial Vocational Education of Mechanical Manufacturing

### Other academic activities:

Member, conference board of EVITech Institute of Technology from 2. –5.6.1999, ENABLE 1999 (Enabling Network-Based Learning) 1999

Guest lecturer, (On-line, real time lecture), Hogeschool in Holland and Kingston University in England "Visual Design in Internet Applications" 2001

Guest lecturer, University of Toulouse (Universite de Toulouse le Mirail) "Usability issues in visual elements in the interfaces of internet applications". 2002

Vice-president, Semiosphere association of semiotics, Helsinki University, 2002-2004

Guest lecturer University of Dortmund, Germany, "Application of Peircean Semiotic to Visual Artefacts: Variation and Change of Interpretation", 2004

Secretary, of the Finnish Semiotic Association, 2005- 2008

Co-Director, Conference on "New Media, New Semiotics, New Mediation?", Imatra, Finland, June 2005

Member, organisation board, world conference of the IASS in 2007 Helsinki, 2004-2007

Member of organising committee, Conference on Applying Peirce: An International Conference on Peirce's Thought and Its Applications Finland, June 2007

Member, organisation board, Symposium of Oscar days "Raja ja Rajanvetäminen", Helsinki, Finland December 2007

President, UMWEB International association of semiotics, 2004 -  
Guest lecturer University of Dortmund, Germany, "Application of Peircean Semiotic to Visual Artefacts: Variation and Change of Interpretation", 2004  
Secretary, of the Finnish Semiotic Association, 2005- 2008

SADC Teacher ICT Training Initiative in Botswana, invited advisor in Social Media, 2008

Guest lecturer in seminar on Social Media in Learning Process, IT-Kouluttajat, Tallinn 27-28.3.2009

Guest lecturer in Visual studies, topic: Peirce's theory of interpretants and its use in the analysis of today's visual communication, at Abo Academy University, 10.3.2009

Guest lecturing in XV. Early Fall School in Semiotics EFSS' 2009 "Sociosemiotics III". Granted Erasmus intensive programme 5-15 September 2009, Sozopol, Bulgaria. Topic for master students: Labels as means for marketing communication and for doctoral students: Knowledge practices and Peirce concept of habit.

### **Presentations**

Bauters M (2003). "Semiotic Analysis on Beer labels", paper read at the International Conference of "The Semiotic Web – International Summer School for Semiotic and Structural Studies", Imatra 6. – 9.6.2003.

Bauters M (2003). "A Semiotic approach to beer labels", paper read at the International Conference "The Unifying Aspects of Cultures", Vienna 7. – 9.11.2003.

Bauters M (2004). "Multiple Determination and Association: Peirce's model of mediation applied to visual signs", paper to be read at the International Conference of "The Semiotic Web International Summer School for Semiotic and Structural Studies ", Imatra 6. – 9.6.2004.

Bauters M (2004). "Artificial Codes of Globalisation" paper to be read at the 8th AIS/IASS Congress of "Signs of the World, Interculturality and Globalisation", Lyon 7. – 12.7.2004.

Bauters M (2004). "Towards an Inclusive Semiotic Model of Cultural Change", paper read at the International Conference "Europe – Image & Concept in Cultural Change from a Semiotic and Transdisciplinary Point of View", Vienna 3. – 5.12.2004.

Bauters M (2005). "Mediation seen through the sensory eye: An alternative to the "old" and "new" media paradigm", paper to be read at the International Conference of "The Semiotic Web – International Summer School for Semiotic and Structural Studies ", Imatra, Finland June 2005.

Bauters M and Collavin E. (2005). "Creativity, innovation and society", joint paper with Elena Collavin read at the International Conference "Social Reproduction and Cultural Innovation. From a Semiotic Point of View", Vienna 9. – 11.12.2005.

Muukkonen H., & Bauters M. (2007) Skenaariosta pilottikurssiin: Tietokäytäntöjen tutkimus ja KP-Lab työkalut". Presentation in Interactive Technology in Education – conference 18.-20 April 2006, Hämeenlinna, Finland.

Paavola S., Lakkala M., Bauters M., & Engeström R (2007). "Digitaalisten työvälineiden kehittäminen tukemaan 'trialogista' yhteisöllistä tiedonluomista". Presentation in The Third Finnish Conference on Cultural and Activity Research (FISCAR 07), (FISCAR'07), 27-28 September 2007, Helsinki, Finland..

Bauters M., Jalonen S., Benmergui L., Lakkala M. & Muukkonen H. (2007). "Työvälineitä innovatiivisten tietokäytäntöjen tueksi – KP-Lab-hankkeessa kehitettävät Shared Space ja CASS Query". Demonstration in The Third Finnish Conference on Cultural and Activity Research (FISCAR 07), 27-28 September 2007, Helsinki, Finland

Lakkala, S., Kosonen, K., Bauters, M., & Rämö, E. (2008). Cross-fertilization of collaborative design practices between an educational institution and workplaces. Poster presented at the 4th EARLI SIG 14 Learning and Professional Development Conference, 27.-28.8.2008. University of Jyväskylä, Jyväskylä, Finland.

Richter C., Markkanen M., Holi M., Benmergui L., Bauters M. (2008). "KP-Lab Shared Space: A Web-Based Environment for Collaborative Knowledge Creation and Work around Shared Artefacts". Demonstration in World Conference on Education Multimedia, Hypermedia and Telecommunications Ed-Media 30-4 June 2008, Vienna, Austria.

Bauters M., Paavola S., Lakkala M., (2008). "Knowledge Practices Environment – virtuaalinen työtila yhteisölliseen tiedonluomiseen". Presentation in Interactive Technology in Education – conference, 16- 18t April 2008.

Bauters M., Markkanen H., Barclay H, and Schrey-Niemenmaa K. (2008). "Case-study experiments of the knowledge

practices laboratory (KP-Lab)" presentation in IACC 11th World Conference of Continuing Engineering Education, 20-23 May 2008.

Bauters M., Paavola S., Lakkala M., (2008). "Knowledge Practices Environment – virtuaalinen työtila yhteisölliseen tiedonluomiseen". Presentation in Interactive Technology in Education – conference, 16- 18t April 2008.

Paavola S., Kosonen K., Lakkala M., Bauters M., and Hakkarainen K. (2008). How to examine and design technology-mediated epistemic practices?". Paper presented in ISCAR, University of California, San Diego, 9-13 September.

Bauters M., Damsa C. and Kosonen K. (2009). "The Knowledge Practice Environment - Collaborative virtual space for work on shared knowledge objects" in Learning by Developing - New Ways to Learn, Laurea University of Applied Sciences, Leppävaara, Finland, 12-13.02.2009.

Damsa D., Sins P., Kalgren K., Toikka S and Bauters M. (2009). "The Knowledge Practices Laboratory Technology: Innovative Technology for Supporting Collaborative Knowledge Creation Practices", in 2009 AERA annual meeting in San Diego, 13-17.04.2009

Bauters M. (2009). "Drafting a Framework for Appropriation of Mediating Tools beyond Dialogue" in International Summer School for Semiotic Studies Imatra, Finland 5-9.06.2009.

Bauters M. (2009). "Drafting a Framework for Appropriation of Mediating Tools Using Peirce's Theory of Signs" in 10th Word Congress of Semiotics, A Coruna, Spain 22-26.09.2009.

Bauters M. and Paavola S. (2009). Ontological models as boundary objects in multidisciplinary technology design. In Model-Based Reasoning In Science And Technology, Abduction, Logic, and Computational Discovery. Campinas, SP, Brazil 17-19.12.2009. [http://www.unipv.it/webphilos\\_lab/courses/progra4.html](http://www.unipv.it/webphilos_lab/courses/progra4.html)

Jalonen S., Bauters M. and Kosonen K. (2010) Verkkoteknologia tietokäytäntöjen kehittämisessä yliopiston semiotiikan metodologia-kurssilla. In Blended Learning Conference in University of Helsinki, Helsinki Finland. 11.3.2010

Jalonen S., Bauters M. and Kosonen K. (2010) Teknologian tukemat tietokäytännöt semiotiikan metodologian kurssilla. Interactive Technology in Education – Conference. Aulanko, Hämeenlinna, Finland, 21-23.04.2010.

Jalonen S., Bauters M. & Kosonen K. (2010). Investigating changing practices and technological affordances in a semiotics methodology course. WCCES (World Council of Comparative Education Societies), XIV WORLD CONGRESS Bordering, Re-Bordering and New Possibilities in Education and Society Bogazici University, Istanbul, Turkey. 14-18.06.2010

Bauters M. (2010). Tietotyön haasteet ja mahdollisuudet virtuaalitodellisuuden aikakaudella. In XI Oscar Day's seminar Signs of success (or loss) (Mene(s)tyksen merkit). Helsinki, Finland 03.12.2010 (invited speaker)

Bauters M. and Markkanen H. (2010). Yhteisöllinen työstäminen projektikurssilla. ReflekTori 2010, Symposium of Engineering Education. 9-10.12.2010. [http://opetuki2.tkk.fi/p/reflektori2010/\\_1ohjelma.fi.php](http://opetuki2.tkk.fi/p/reflektori2010/_1ohjelma.fi.php)

### **Refereed Proceedings and Publications**

Bauters M (2004). A Semiotic approach to beer labels" Semiotische Berichte vol. 28/2004.

Bauters M, Ipsen, G. and Martinelli, D. (2004). (eds.), Semiotics from S to S. [=UMWEB Series in Semiotics 1]. Dortmund/Helsinki: UMWEB, Grunewald GmbH

Bauters M. (2004). "S for Sinebrychoff", in Martinelli, Dario et al. (eds.), Semiotics from S to S. [=UMWEB Series in Semiotics 1]. Dortmund/Helsinki: UMWEB, Grunewald GmbH, p. 260-279.

Bauters M (2004). "S for Sixty-nine", in Martinelli, Dario et al. (eds.), Semiotics from S to S. [=UMWEB Series in Semiotics 1]. Dortmund/Helsinki: UMWEB, Grunewald GmbH, p. 44-60.

Bauters M (2004). "Towards an Inclusive Semiotic Model of Cultural Change", on-line publication 11th International Symposium of the Austrian Association for Semiotics ögs/aas, Europe – image & concept in cultural change, From a semiotic and transdisciplinary point of view, Under the Auspices of the IASS-AIS.

Bauters M (2006). "Semiosis of (Target) Groups: Peirce, Mead and the Subject". Subject Matters 2(2): 73–102.

Bauters M (2006). 'Global'/General (Western) Beer Signs: The Case of Italy and Finland". In Martinelli D. and Navickaite L. (eds.), Finland – Italy: A few comparisons, (1–17). Helsinki: Umweb.

Bauters M (2007). "Mediation Seen through the Sensory Eye: An Alternative to the 'Old' and 'New' Media Paradigm". *International Journal of Applied Semiotics*. 6 ( 1):79-101.

Bauters M (2007). Book, "Changes in beer labels and their meaning: a holistic approach to semiotic process", Helsinki: Semiotic Society of Finland, 2007

Bauters M (2008). "Multiple Determination and Association: Peirce's model of mediation applied to visual signs", *Acta Semiotica Fennica*.

Bauters M (2008). "Complexity, biosemiotics and semiotic freedom" of The "Whole Creature – complexity, Biosemiotics and the Evolution of Culture" by Wheeler Wendy, London: Lawrence & Wishart. 2006. Special Issue on Biosemiotics, *The American Journal of Semiotics*.

Bauters M, Markkanen H, Barclay H. and Schrey-Niemenmaa K. (2008). "Case-study experiments of the knowledge Practices Laboratory (KP-LAB)". In *The Proceedings of IACEE 11th World Conference on Continuing Engineering Education*. Atlanta.

Markkanen, H., Holi, M., Benmergui, L, Bauters M. and Richter, C. (2008). "The knowledge Practices Environment: A virtual environment for collaborative knowledge creation and work around shared artefacts". In *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008* (pp. 5035-5040). Chesapeake, VA: AACE.

Bauters, M., Paavola, S. & Benmergui, L. (2008) Criteria and Guiding Questions for Evaluation of KP-Lab Technologies: Theoretical and Empirical Implications. In Morch, A. Moen A. & Paavola S. (eds.) *Knowledge Practices and Trialogical Technologies*. A manuscript submitted for publication

Sins P. H. M., Bauters, M., & Damsa C. I. (2008). Knowledge practices environment: Design and application of technology for trialogical learning. In P. Dillenbourg & M. Specht (Eds.), *Times of Convergence: Technologies Across Learning Contexts*. *Proceedings of the third European Conference on Technology-Enhanced Learning (ECTEL)* (pp.419-430). Berlin Heidelberg: Springer-Verlag.

Lakkala, M., Paavola, S., Kosonen, K., Muukkonen, H., Bauters, M., & Markkanen, H. (in press). Main functionalities of the Knowledge Practices Environment (KPE) affording knowledge creation practices in education. *Proceedings of the Computer-Supported Collaborative Learning 2009 conference*.

Bauters M. (2009). "Käyttäjakeskeinen suunnittelu ja käyttäjät kehittäjinä –orientoituneisuus" In *Luova työ tutkimuksen kohteena. Avauksia design-alojen tutkimusmetologiaan*"(eds Leena Mäkelä-Marttinen). *Kymenlaakson ammattikorkeakoulun julkaisuja*. Sarja A. Oppimateriaali. Nro 23. Kouvola: Kymenlaakson ammattikorkeakoulu, 199 s.

Furnadziev, I., Tchoumatchenko, V., Vasileva, T., Lakkala, M., Bauters, M. (2009). Tool for synchronous communications in collaborative knowledge practices environment (KPE). In A. Méndez-Vilas, A. Solano Martín, & J. Mesa González (Eds.), *Research, Reflections and Innovations in Integrating ICT in Education*, Vol. I (pp. 588–592). FORMATEX, Badajoz, Spain: Formatex

Bauters M. (2010) Entry on Damasio. In *The Routledge Companion to Semiotics*. (Eds. Paul Cobley). Routledge, New York/London. (p. 201).

Bauters M. and Markkanen H. (2010). Digitaalisen tuotteen suunnittelu ja toteutus "oikealle" asiakkaalle. In *Insinöörinkoulutuksen uusi maailma II: Foorumi 2010 - hyvät käytännöt*. (Eds., Juhani Keskitalo, Samuli Kolari. Janne Roslöf ja Carina Savander-Rinne). Hämeenlinna : Hämeen ammattikorkeakoulu, <http://portal.hamk.fi/portal/page/portal/7FCBD18196484AC2E040A8C0C9411967>

Muukkonen H. and Bauters M. (forthcoming 2011). Tiedonluominen ja sosiaalinen media korkeakoulutuksessa: Suorittamisesta yhdessä luomiseen ja arviointiin. In *Silmät auki sosiaaliseen median*.

Pohjola M. V., Pohjola P., Paavola S., Bauters M. and Tuomisto J. T. (forthcoming 2011). In special issue of *JUCS I. Knowledge Work, Web 2.0 and Semantic Technologies*.

Bauters M. (forthcoming 2011). Semiotics' contribution into the analysis of popular culture. In *Being Cultural* (eds., Bruce Cohen).

#### **Revived books and articles**

Book Review (2008). "Complexity, biosemiotics and semiotic freedom" of The "Whole Creature – complexity, Biosemiotics and the Evolution of Culture" by Wheeler Wendy, London: Lawrence & Wishart. 2006, In Special Issue on Biosemiotics, *The American Journal of Semiotics*.

Article review (2008) into International Journal Of Applied Semiotics.

Conference paper reviews into the congress of Learning by Developing – New Ways to Learn: Future Expertise in Higher Education held in Laurea University of Applied Sciences, Leppävaara, 12-15.10.2010

Article reviews into The journal Mind & Society-Cognitive Studies in Economics and Social Sciences is edited by the Rosselli Foundation of 9th International Conference on Computer Supported Collaborative Learning.

Conference paper reviews into the CSCL2011: Connecting computer supported collaborative learning to policy and practice. To be held at The University of Hong Kong, Hong Kong, China. 4-8.07.2011.

Conference paper reviews into the CogSci 2011, the 33rd annual meeting of the Cognitive Science Society, to be held in Boston, Massachusetts, Wednesday, 20-23.07.2011.

## Publications

### **User generated soundscapes activating museum visitors**

Salo, K., Bauters, M. & Mikkonen, T., 13 Jun 2017, *SAC 2017 Symposium on Applied Computing*. Shin, S. Y., Shin, D. & Lencastre, M. (eds.). New York: ACM New York, p. 220–227 8 p.

### **Tangibility of Sharing Experiences**

Bauters, M. L. M., Jun 2017, *Beyond the Ordinary: Aiming Higher in Higher Education*. Ranta-Meyer, T. (ed.). Espoo: Helsinki Metropolia, University of Applied Sciences, p. 31–39 8 p. (Perspectives and Practises in HTW Berlin and Metropolia UAS Partnership 2017).

### **A phronetic approach to educational design-based research: Issues and aspirations**

Bauters, M. & Bardone, E., Jan 2017, In : *EDeR – Educational Design Research An International Journal for Design-Based Research in Education*. 1, 1, uhh.de/EDeR.

### **Modular Audio Story Platform for Museums**

Bauters, M., Salo, K., Zinin, V. & Mikkonen, T., 2017, *Proceedings of the 22nd International Conference on Intelligent User Interfaces Companion*. New York: ACM Digital library, p. 113-116 4 p.

### **Social augmented reality: Enhancing context-dependent communication and informal learning at work**

Pejoska, J., Bauters, M., Purma, J. & Leinonen, T., May 2016, In : *British Journal of Educational Technology*. 47, 3, p. 474-483 10 p.

### **Mobile Soundscape Mixer – Ready for Action**

Salo, K., Bauters, M. & Mikkonen, T., 2016, *Mobile Web and Information Systems: 13th International Conference, MobiWIS 2016, Vienna, Austria, August 22-24, 2016, Proceedings*. Younas, M., Awan, I., Kryvinska, N., Strauss, C. & van Thanh, D. (eds.). Springer International Publishing AG, p. 18-30 13 p. (Lecture Notes in Computer Science; vol. 9847).

### **Teaching working life skills in IT through collaborative practices**

Holvikivi, J., Muukkonen, H., Vesikivi, P. & Bauters, M., 2016, *Proceedings of the SEFI Annual Conference 2016: Engineering Education on Top of the World: Industry University Cooperation*. European Society for Engineering Education, SEFI

### **Creating and Sharing Knowledge Through Experiences: A Case Study with Ach so! in Healthcare Education**

Bauters, M., Virnes, M., Purma, J. & Leinonen, T., 2015, *Design for Teaching and Learning in a Networked World : 10th European Conference on Technology Enhanced Learning, EC-TEL 2015 Toledo, Spain, September 15–18, 2015 Proceedings*. Conole, G., Klobučar, T., Rensing, C., Konert, J. & Lavoué, É. (eds.). Cham: Springer International Publishing AG, p. 642-645 4 p. (Lecture Notes in Computer Science ; vol. 9307).

### **A Community Information System for Ubiquitous Informal Learning Support**

Bauters, M., Nicolaescu, P., Renzel, D., Koren, I., Klamma, R. & Purma, J., Jul 2014, *IEEE 14th International Conference on Advanced Learning Technologies (ICALT), 2014 : ICALT 2014*. Sampson, D. G., Spector, J. M., Chen, N-S., Huang, R. & K. (eds.). Danvers, MA: Institute of Electrical and Electronics Engineers, p. 138-140 3 p. 10.1109/ICALT.2014.48

### **Design Review of Requirements Bazaar from a Pragmatism Perspective**

Bauters, M. L. M. & Purma, J., 2014, In : STCSN E-Letter. 2, 3

### **Towards a Design Research Framework for Designing Support Informal Work-Based Learning**

Bauters, M. L. M., Cook, J., Bannon, B., Schmidt, A. & Leinonen, T., 2013, *ECTEL meets ECSCW 2013, the Workshop on Collaborative Technologies for Working and Learning co-located with 8th European Conference on Technology-Enhanced Learning (ECTEL 2013) and with the European Conference on Computer-Supported Cooperative Work 2013 (ECSCW 2013)*. Divitini, M., Ley, T., Lindsteadt, S., Pammer, V. & Prilla, M. (eds.). p. 1-5

### **Emanuele Bardone: Seeking chances: from biased rationality to distributed cognition**

Bauters, M., Jun 2012, In : Mind & Society. 11, 2, p. 257-264

### **KPE (Knowledge Practices Environment) supporting knowledge creation practices in education**

Bauters, M., Lakkala, M., Paavola, S., Kosonen, K. & Markkanen, H., 2012, *Collaborative Knowledge Creation: Practices, Tools, Concepts*. Moen, A., Mørch, A. I. & Paavola, S. (eds.). Rotterdam: Sense Publishers, p. 53-74 22 p. (Technology enhanced learning; vol. Vol. 7).

### **Semiotics' contribution into the analysis of popular culture**

Bauters, M. L. M., 2012, *Being Cultural*. Cohen, B. (ed.). University of Auckland New Zealand : Pearson PLC, 15 p.

### **KPE (Knowledge Practices Environment) Supporting Knowledge Creation Practice**

Bauters, M., Paavola, S., Lakkala, M., Kosonen, K. & Markkanen, H., Nov 2011, *The International Conference on Information and Communication Technologies and Applications (ICTA 2011) : The International Conference on Information Design and Modeling in Science, Education, and Technology (DeMset 2011)*. Callaos, N., Savoie, M., Siddique, M. & Zinn, C. D. (eds.). Winter Garden, Florida: International Institute of Informatics and Systemics, p. 84-89 6 p.

### **Pragmatic Knowledge Services**

Pohjola, M. V., Pohjola, P., Paavola, S., Bauters, M. & Tuomisto, J. T., 2011, In : Journal of Universal Computer Science. 17, 3, p. 472-497 26 p.

### **Tiedonluominen ja sosiaalinen media korkeakoulutuksessa: Suorittamisesta yhdessä luomiseen ja arviointiin**

Muukkonen, H. & Bauters, M. L. M., 2011, *Silmät auki sosiaaliseen mediaan..* Rainio, H., Vartiainen, T., Aaltonen-Ogbeide, T. & Saastamoinen, P. (eds.). Eduskunnan tulevaisuusvaliokunta, Vol. 3/2011. p. 126–146 20 p.

### **Triological learning supported by Knowledge Practices Environment**

Paavola, S., Bauters, M., Richter, C., Damsa, C., Karlgren, K., Saarivesi, E., Toikka, S., Lakkala, M., Muukkonen, H. & Ilomäki, L., 2011, *Connecting Computer-Supported Collaborative Learning to Policy and Practice: CSCL2011 Conference Proceedings Volume III — Community Events Proceedings*. Spada, H., Stahl, G., Miyake, N. & Law, N. (eds.). ISLS International Society of the Learning Sciences, Vol. Volume 3. p. 1150-1153 4 p.

### **Käyttäjakeskeinen suunnittelu ja käyttäjät kehittäjinä –orientoituneisuus**

Bauters, M., 2009, *Luova työ tutkimuksen kohteena.: Avauksia design-alojen tutkimusmetodologiaan*. Mäkelä-Marttinen, L. (ed.). Kouvola, (Kymenlaakson ammattikorkeakoulun julkaisuja. Sarja A. Oppimateriaali; no. 23).

### **Main functionalities of the Knowledge Practices Environment (KPE) affording knowledge creation practices in education**

Lakkala, M., Paavola, S., Kosonen, K., Muukkonen, H., Bauters, M. & Markkanen, H., 2009, *[Computer Supported Learning Practices]: proceedings of the 9th International Conference on Computer Supported Collaborative Learning [CSCL2009], Rhodes, Greece, June 8-13, 2009 : Volume 1, / Editors: Claire O'Malley, Daniel Suthers, Peter Reimann, Angelique Dimitracopoulou*. O'Malley, C., Suthers, D., Reimann, P. & Dimitracopoulou, A. (eds.). ISLS International Society of the Learning Sciences, p. 297-306 10 p.

### **Tools for synchronous communications in collaborative Knowledge Practices Environment (KPE)**

Furnadzhiev, I., Tchoumatchenko, V., Vasileva, T., Lakkala, M. & Bauters, M. L. M., 2009, *Research, reflections and innovations in integrating ICT in education. Vol. 1*. Mendez-Vilas, A., Solano Martin, A. & Mesa Gonzalez, J. (eds.). Badajoz: Formatex, Vol. 1. p. 588-592 5 p.

**Complexity, biosemiotics and semiotic freedom: The whole creature : complexity, biosemiotics and the evolution of culture**  
Bauters, M., 2008, In : American Journal of Semiotics. 24, 1/3

**Knowledge practices environment: Design and application of technology for triological learning**

Bauters, M. L. M., Damsa, C. & Patrick, S., 2008, *Times of Convergence: Technologies Across Learning Contexts: the third European Conference on Technology- Enhanced Learning (ECTEL)* . Dillenbourg, P. & Specht, M. (eds.). Berlin: Springer-Verlag, p. 419-430 11 p. (Lecture notes in computer science; no. 5192).

**Multiple Determination and Association: Peirce's Model of Mediation Applied to Visual Signs**

Bauters, M., 2008, *Global Signs : Proceedings from the ISI Summer Congresses at Imatra in 2003-2006*. Tarasti, E. (ed.). Imatra: International Semiotics Institute, p. 122-129 8 p. (Acta Semiotica Fennica; vol. 29).

**The knowledge Practices Environment: A virtual environment for collaborative knowledge creation and work around shared artefacts**

Bauters, M. L. M., Markkanen, H., Holi, M., Benmergui, L. & Richter, C., 2008, *Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008*. p. 5035-5040

**Changes in Beer Labels and their Meaning: A Holistic Approach to the Semiotic Process**

Bauters, M., 2007, Imatra : Helsinki: International Semiotics Institute. 228 p.

**Mediation Seen through the Sensory Eye: An Alternative to the 'Old' and 'New' Media Paradigm**

Bauters, M., 2007, In : International Journal of Applied Semiotics. 6 , 1, p. 1-122 121 p.

**Global'/General (Western) Beer Signs: The Case of Italy and Finland**

Bauters, M., 2006, *Finland – Italy: A few comparisons*. Martinelli, D. & Navickaitė, L. (eds.). Helsinki: UMWEB, 16 p. (UMWEB).

**Semiosis of (Target) Groups: Peirce, Mead and the Subject**

Bauters, M., 2006, In : Subject Matters. 2, 2, p. 73–102 30 p.

**S for Sinebrychoff**

Bauters, M., 2004, *Semiotics from S to S*. Bauters, M., Ipsen, G. & Martinelli, D. (eds.). Dortmund/Helsinki: UMWEB, 18 p.

**S for Sixty-nine**

Bauters, M., 2004, *Semiotics from S to S*. Bauters, M., Ipsen, G. & Martinelli, D. (eds.). UMWEB, 16 p.

## Projects

**KP-Lab: Developing Knowledge-Practices Laboratory**

Bauters, M.  
01/01/2007 → 25/12/2011

**Learning Layers, Scaling up Technologies for Informal Learning in SME Clusters**

Bauters, M.  
01/11/2012 → 30/11/2016

**youwatchit**

Bauters, M. & Saro, E.  
01/02/2000 → 21/12/2000