

CV Michael Bachhofer

Personal information

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Websites <http://FCMappers.net> and <http://MiB.FCMappers.net>

Education

2012 - 2013 Extended exchange semester (one year) at the Tokyo University of the Arts - Laboratory for Artistic Anatomy
2010 - 2013 University of Applied Arts Vienna, Institute of Fine Arts, Department of Art & Science
passed with distinction: June 2013 - MA
1997 - 2008 University of Vienna, Biology / Ecology
passed with distinction: December 2008 - Mag.rer.nat. equal to MSc
1996 - 1998 Graz University of Technology, Electrical Engineering

Professional experience

04/2009 - present Establishment of a platform for fuzzy cognitive mapping (FCM)
International community for FCM and home of FCMapper software @ <http://www.FCMappers.net>
12/2008 - present Development of a software solution for fuzzy cognitive mapping
FCM analysis tool freely available to the public; released 07/2009; FCMapper is currently applied for several PhD-thesis and academic research
around the world as well as for decision support in organizations and companies.
10/2002 - present Free-lancing in the field of media design
Trade license for Film production and creation of multimedia products
01/2011 - 05/2013 Manager Car Configurator for GM - Austria /Opel
10/2009 - 12/2010 Content Manager at MRM-Worldwide, McCann Erickson GmbH
GM-Opel Car-Configurator @ <http://www.opel.at>
10/2007 - 03/2009 Photo processing, Fotokarussell Filmentwicklungs GmbH
Digital editing as well as analog and digital printing
12/2008 - 05/2009 Collaboration within the EU-Project ALTER-Net
Methodological consulting in FCM
2006 + 2007 Involved in the media working-group of "Enlazando Alternativas 2"
The project carried the theme "Social alternatives in a new era of Europe – Latin America relations"
05/2006-07/2006 Radiation protection, NOK –revision of Powerplant Beznau / Switzerland
02/2006-05/2006 Guide, Federal Pathologic – Anatomical Museum Vienna, Austria

Exhibitions

- 06-07/2013 Künstlerhaus, Vienna - The Essence 13
"The Pattern which connects" - c-print, book, installation of micro-photography production equipment
- 06/2013 Department Art&Science - Master Presentation
"The Pattern which connects" - c-print, book, installation of micro-photography production equipment
- 03/2013 [hu: fāk off] space / Aula of the University of Applied Art Vienna
"kino_observateur:observation1", together with Alin Cirstea - a new dimension of visual film analysis - photography
- 06-07/2012 Künstlerhaus, Vienna - The Essence 12
"Rites de Passage", together with CIR of the Medical University Vienna, PET/CT, analog interactive design
- 03/2012 Invalidenstrasse 15 (Gallery) - Art & Science Ontologies
"The Root – about the two essences of art and science" - large format scanner photography + sculpture
- 11/2011 NHM (Naturhistorisches Museum Wien) - Vienna Art Week
"Better small than tall – Dwarf Elephants, Nikola Tesla and the rest of the world" – mixed media
- 03/2011 Department Art&Science - parameter{world} - parameters for every or no thing
"Brunnenmarkt Dynamics" – audio installation

Journal articles

- Reckien, D., Wildenberg M. and Bachhofer M. (2012) 'Subjective realities of climate change - How mental maps of impacts deliver socially sensible adaptation options', *Journal of Sustainability Science*
- Wildenberg, M., Bachhofer, M., Adamescu, M., De Blust, G., Diaz-Delgado, R., Isak, K., Skov, F., Varjopuro, R. 'Fuzzy Cognitive Mapping as tool for social-ecological research and environmental management: experience from six European case studies', *Journal of Environmental Management* - submitted; revision Jan. 2013

Books, Reports, working papers & proceedings

- Wildenberg, M., Bachhofer, M., Isak, K.G.Q., Skov, F. (2013) 'Use and evaluation of FCM as a tool for long term socio ecological research' in Papageorgiou, E. (Editor) 'Fuzzy Cognitive maps for Applied Sciences and Engineering', *Intelligent Systems Reference Library: Springer* - forthcoming
- Deifel V., Kräftner B., Widrich V. (Editors.) (2011) 'An envelope for arts, sciences, politics and us', *Edition Angewandte: Springer Vienna*
- Wildenberg, M., Bachhofer, M., Adamescu, M., De Blust, G., Diaz-Delgado, R., Isak, K., Skov, F., Varjopuro, R. (2010) 'Linking thoughts to flows - Fuzzy cognitive mapping as tool for integrated landscape modelling.' *Proceedings of the 2010 International Conference on Integrative Landscape Modelling – Linking environmental, social and computer sciences. Symposcience, Cemagref, Cirad, Ifremer, Inra, Montpellier.*

Skills and interests

- Computing Office Products; Network Analysis-Tools (FCMapper, Pajek, VisuaLyzer, yEd); Photoshop; NLE (Premiere, Final Cut); DVD-Authoring; HTML; MySQL; CMS (Indexhibit, Joomla, Day); Data processing and enrichment; Programming (BeanShell, Processing, VBA); Micro-Manager; imageJ
- Languages German (first language); English (fluent); Italian (basic)
- Art Art & Science interrelations; photography; video; field recording; infrasound; micro-photography; generative processing; space and time; perception – reality – truth; art in public spaces
- Science fuzzy cognitive mapping, expert systems; social networks; network theory; fuzzy logic; modeling of causal interrelationship; parasitology; epidemiology; African Trypanosomosis; geographical information systems; microscopy; scientific work with audio visual media and scientific documentation