Dr. Igor Fischer

Background

- 1985 Winner of the "Best Yugoslav Programmer 1984" award for *HyperBASIC*, an extension to Sinclair ZX Spectrum's BASIC
- 1988-1994 study of electrical engineering, orientation computer engineering, at University in Zagreb, Croatia
- 1989-1990 study of medicine at University in Zagreb, Croatia
- 1991-1992 internship at Tandler in Bremen, Germany
- 1994-1998 software developer at Tandler
- 1998-2003 research assistant at Department of Computer Architecture, University in Tübingen
- 2001 Winner of the Code Blue Contest, with the Java Card application *PassKeeper*. More about it in the feature article at java.sun.com
- since September 2003 postdoc student at the Hebrew University in Jerusalem, Israel

Research interests

- Neural networks for symbolic data
- Multimedia applications in education
- Web-management

Current and former projects

Publications

A simple management tool for medium-sized Web sites
    Igor Fischer, Andreas Zell
    In E.V. Munson and P.R. King (Editors), Digital Documents: Systems and Principles, LNCS 2023, pp. 77-90, 2004. © Springer-Verlag Berlin Heidelberg 2004

Similarity-based neural networks for applications in computational molecular biology
    Igor Fischer
    In M.R. Berthold et al. (Editors), Advances in Inteligent Data Analysis V, LNCS 2810, pp. 208-218, 2003. © Springer-Verlag Berlin Heidelberg 2003

Similarity-preserving Metrics for Amino-acid Sequences
    Igor Fischer

    Poster at the 22nd GIF Meeting on Challenges in Genomic Research: Neurodegenerative Diseases, Stem Cells, Bioethics, Heidelberg 2002.

Processing Symbolic Data With Self-Organizing Maps
    Igor Fischer, Andreas Zell
    In H.-M. Groß, K. Debes, H.-J. Böhme (Hrsg.), Workshop SOAVE '2000 - Selbstorganisation von Adaptivem Verhalten 2000, VDI Reihe 10, Nr. 643, pp. 96-105.

An example of generating Internet-based course material
    Igor Fischer, Simon Wiest, Andreas Zell
    In D. Kalpic, V. Dobric (Editors), Proceedings of the 22nd Intl. Conf. Information Technology Interfaces ITI 2000, June 13-16, 2000, Pula, Croatia, pp. 229-234

String Averages and Self-Organizing Maps for Strings
    Igor Fischer, Andreas Zell
    In H. Bothe, R. Rojas (Editors), Proceedings of the Second ICSC Symposium on Neural Computation - NC'2000, ICSC Academic Press, Canada/Switzerland, pp. 208-215

Visualization of Neural Networks Using Java Applets
    Igor Fischer, Andreas Zell
    In M. Hoffmann (Editor), "Innovations in Education for Electrical and Information Engineering (EIE)", Proceedings of the 11th annual conference of the EAEEIE, April 26-28, 2000, Ulm, Germany, pp. 71-76

Contact