

Curriculum Vitae

MARIO GIRSCH

Personal

- **Name:** Mario Karl Girsch
- **Academic degrees:** Dipl.-Ing., Dr.techn.
- **Born :** 28. June 1966, Vienna, Austria
- **Nationality :** Austria
- **Martial Status :** married
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Education

1976 - 1980 Gymnasium (High School)

1980 - 1985 HTBLA (School of Electrical Engineering)

1985 - 1994 Vienna University of Technology, Computer Science

Master Thesis

Computer Science, Title : “Optimizing of Schedules with Genetic Algorithm and Iterative Deepening“ realized 1994 at the Vienna University of Technology.

Ph.D

Title : “Reactive Scheduling“ realized 2001 at the Vienna University of Technology.

Employment

- 1982: Siemens, General Motors (Summer Inturn)
- 1983, 84, 86: KONE Sowitsch, at the service department and the construction office of the department of production planning (Summer Inturn)
- 1990: Immuno AG, Data Processing Department
- 1994: Silicon Graphics
- 1995: Research Assistant at the CD-Laboratory, Vienna.
Co-author of the project: „*Déjà Vu - A Reusable Framework for the Construction of Intelligent Interactive Schedulers*“
- 1997: Research Assistant at the Institute of Information Systems, Database and Artificial Intelligence Group, Vienna University of Technology

Member of the European Esprit-Project SITMOON: System of Integrated Tools for the Creation of Multimedia Contents Delivered Off-line and ON-line.

- 1998: Member of the FWF-Project REFRESH: *A Reusable and Extendible Framework for REactive ScHeduling* (till 1.1.2002) at the Institute of Information Systems, Database and Artificial Intelligence Group, Vienna University of Technology
- 1999: Visiting Researcher at the CMU (Carnegie Mellon University) in Pittsburgh
- 2002: Rechnungshof

Military Service

done at the Data Processing Agency (HDVA) of the Department of Defense of Austria from Oct. '94 till May '95

Field of Activity: Building Client-Server-Applications

Languages

German (mother tongue)

English

Hungarian (beginner)

Hobbies

Badminton, Tennis, Table Tennis

Travelling (USA, Namibia, Australia,...)

Biography

Mario Girsch received his M.Sc in computer science (DI) from Technical University of Vienna in 1994 and his Ph.D in Technical Science in December 2001. In his masters thesis he showed how schedules can be optimized with Genetic Algorithm and Iterative Deepening. From 1995 to 1997 he was research assistant at the Christian-Doppler-Laboratory and is co-author of the class library "Deja Vu", which is a reusable framework for the construction of intelligent interactive systems. He was also member in the Esprit project SIT-MOON (A System of Integrated Tools for the Creation of Multimedia Contents Delivered Off-line and ON-line), which involved academic partners and companys from Austria, Italy and Spain. From Oktober 1998 till December 2001 he worked in the FWF-project Refresh (A Reusable and Extendible Framework for REactive ScHeduling). And since June 2002 he is auditor at the Rechnungshof, the supreme audit institution of Austria.

Publications

Dorn, J., Girsch, M. and Slany, W. (1993) Reparatur von Plänen durch fallbasiertes Schließen, (Repair of Plans through Cased-Based Reasoning, in German) Workshop "KI und OR", Forschungsbericht des Max-Planck-Instituts für Informatik, Saarbrücken, MPI-I-93-234.

Dorn, J. and Girsch, M. (1994) Genetic Operators Based on Constraint Repair, *ECAI'94 Workshop on Applied Genetic and other Evolutionary Algorithms*, Amsterdam, August 9.

Dorn, J., Girsch, M., Skele, G., and Slany, W. (1994) Comparison of Iterative Improvement Techniques for Schedule Optimization, *Proceedings of the 13th UK Planning / Scheduling Special Interest Group*, Glasgow, September

Dorn, J. , Girsch, M., Skele, G., and Slany, W. (1996) Comparison of Iterative Improvement Techniques for Schedule Optimization, Accepted for publication in the *European Journal on Operations Research*.

Dorn, J. Girsch, M. and Vidakis, N. (1996) DÉJÀ VU - A Reusable Framework for the Construction of Intelligent Interactive Schedulers, *Proceedings of the International Conference on Advances in Production Management Systems (APMS '96)* Kyoto, November

Dorn, J. Girsch, M. and Vidakis, N. (1998) DÉJÀ VU - A Reusable Framework for the Construction of Intelligent Interactive Schedulers, *Advances in Production Management Systems - Perspectives and Future Challenges -*, Okino et al. (eds.) Chapman & Hall, pp. 467-478

Talks

“Interaktive Feinplanung im Edelstahlwerk”, (“Interactive Scheduling for a High-grade Steelmaking Plant”, German) erschienen im Berg- und Hüttemännischen Monatsheft, 141. Jg(1996), Heft 9 Seiten 393-398, Leoben , Mai 1996

“Requirements Of Reactive Scheduling Systems”. In F.Puppe et al., editor, *Proceedings of XPS-99, 5th German Conference on Knowledge-Based Systems*, pages 98-106, Würzburg, Germany, March 1999.

“Cooperation Between A Simulation Environment And A Reactive Scheduling System” in *Proceedings of the Eighth International Conference on Manufacturing Engineering - ICME 2000*, Sydney, Australia, August 2000