CURRICULUM VITAE

Uwe Naumann

Date of birth:	24-06-69		
Place of birth:	Rodewisch, East Germany		
Marital status:	single		
Nationality:	German		
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OBJECTIVE:

Permanent position in (management of) applied mathematics

EMPLOYMENT HISTORY

Post-doctoral position at INRIA Sophia-Antipolis, France	since 01/99
Visiting scientist at Chuo University, Tokyo, Japan	02/98 - 03/98
Ph.D. student at Dresden University of Technology (TUD), Dresden, Germany	05/96 - 12/98
Visiting scientist at University of Hertfordshire, Hatfield, England	02/97 - 08/97
Internship, IBM, Berlin, Germany	08/92 - 10/94
Internship, Parsytec Computer GmbH, Aachen, Germany	02/92 - 04/92
Military service (Trainer at air force base), Bad Düben, East Germany	08/88 - 08/90
Internship, TV company (Trainee TV journalism), Berlin, East Germany	10/87 - 06/88

EDUCATION

Dr.rer.nat (Ph.D. in Mathematics, Computer Science) TUD, Dresden, Germany	1999
Seminar in Management Consulting, McKinsey	08/98
Diplom-Mathematiker (M.Sc. in Mathematics) TUD, Dresden, Germany	1996
Visiting Student, University of York, England	10/93 - 09/94
Abitur (A-Level), High School, Karl-Marx-Stadt (Chemnitz), East Germany	1988
Russian Secondary Education Certificate, Dubna, USSR	1985
Primary Education, Karl-Marx-Stadt (Chemnitz), East Germany	1986

LANGUAGE SKILLS

German - obviously...
English - fluent (2 years in England and USA)
French - improving (currently working in France)
Russian - reactivatable (3 years in Russia)

PUBLICATIONS

"On Bounds for Vertex Degrees in Computational Graphs", INRIA Research Report, INRIA Sophia-Antipolis, France, 1999. (*ready for submission*)

"New Heuristics for solving the Edge Elimination Problem in Computational Graphs", INRIA Research Report (3690), INRIA Sophia-Antipolis, France, 1999.

"Optimizing the Accumulation of Jacobians by Dynamic Programming", INRIA Research Report (3689), INRIA Sophia-Antipolis, France, 1999.

"Optimizing the Accumulation of Jacobians by Edge Elimination in the Computational Graph", INRIA Research Report (3659), INRIA Sophia-Antipolis, France, 1999.

"SAVE - Simulated Annealing applied to the Vertex Elimination Problem in Computational Graphs", INRIA Research Report (3660), INRIA Sophia-Antipolis, France, 1999.

Ph.D. thesis: "Efficient Computation of Jacobian Matrices by Optimized Application of the Chain Rule to Computational Graphs", TUD, Dresden, Germany, 1999

Diploma thesis: "Verified Global Optimization on Multiprocessor Systems" (text in german), TUD, Dresden, Germany, 1995

SELECTED TALKS

IMACS Conference on Applications of Computer Algebra, Prague, Czech Republic	08/98
Institute for Statistics and Mathematics, Tokyo, Japan	03/98
Workshop on Automatic Differentiation, University of Minnessota, Minneapolis, USA	07/97
DFG-Workshop on Efficient Algorithms for Discrete Problems, Dagstuhl, Germany	11/96
SIAM Workshop on Computational Differentiation, Santa Fe, USA	02/96

MATHEMATICAL SKILLS

Scientific Computing, Automatic Differentiation (Odyssee, ADOL-C/F), Simulated Annealing, Dynamic Programming, Graph Theory, Algorithms, Combinatorics, Optimization, Computer Algebra, Computer Arithmetic and exposure to a wide variety of mathematical topics;

PROGRAMMING LANGUAGES / IT-SKILLS

FORTRAN 77, Fortran 95, C/C++, Pascal, PROLOG, Pascal-XSC, Fortran-XSC, OCaml, LEDA, {C,F}WEB, HTML, Java, SQL and quick adaption to new programming languages;

Mathematical Programming, Parallel Computing, MPI, PVM, Code generation and optimization, LaTeX, Maple, UNIX, Windows and exposure to numerous computer systems and software;

SPORTS

Verein Kanusport Dresden e.V. (Dragon Boat Club)

- European Championship for Club Teams 1996 in Silkeborg, Danemark (Bronze medal over 250 meters);
- European Cup Final 1995 in Malmoe, Sweden (Gold medal over 350 meters);

Fitness, Basketball, Hiking;