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Short CV

Publications

May 2007 : **Full conference paper published in proceedings/book**
Topology optimization problems formulated as Mathematical Programs with Equilibrium Constraints

Oct. 2006 : **Full conference paper published in proceedings/book**
A parallel method for solving discrete topology design problems

Aug. 2005 : **Academic dissertation**
Disjoint paths in directed networks with length and distribution criteria

Employments and other Experience

Sep. 2003 - Dec. 2003 : **Assisting teacher in Optimization and Datafitting at DTU, IMM**
Advanced course with emphasis on analyzation of algorithms and trustworthiness of results

Oct. 2003 : **Assisting at the Nordic MatLab Conference 2003**
Assisted Cleve Moler and sat as the chairman at presentations

Aug. 2003 : **Assisting at the ISMP Conference 2003**
Guided and helped conference members and assisted technically at presentations

Mar. 2003 : **Assisting at the DSE fair**
Guided and helped conference members and assisted technically at presentations

since Jan. 2003 : **Bookkeeper for Polyteknisk UndervandsGruppe, DTU**

Sep. 2002 - Jun. 2003 : **Bookkeeper for the Informatics group, DTU**

Sep. 2002 - Feb. 2003 : **Tankel - tutor for the first year students at DTU, IMM**

Feb. 2002 - May 2003 : **Three times assisting teacher in Numerical Analysis at DTU, IMM**
Introduction course with emphasis on numerical methods and computational accuracy

Sep. 2001 - Dec. 2001 : **Assisting teacher in Introduction to Programming at DTU, IMM**

Sep. 2000 - Jan. 2001 : **Tutor for international students at DTU**

summer 2000 : **Waitress at Nyhavns Færgekro, Copenhaguen, Denmark**

summer 1999 : **Sales assistant at Planet Hollywood, Champs Elysées, Paris, France**

Education

2000-2005 :	Master of Science degree from the Technical University of Denmark, DTU Informatics, specializing in mathematical modeling
fall 2004 :	Master of Mathematics student (Université de Nice-Sophia-Antipolis) Courses: Functional analysis, Diff. eq. and bifurcations, Algebraic curves and surfaces for form modeling
spring 2004 :	Master of Science student (Ecole National Sup. d'Informatique et Math. Appliquée de Grenoble) Courses: Finite elem., Comb. optim., Neural network, Dynamical systems, Intelligent systems, Cryptology
1997-2000 :	Mathematical high-school degree from Österportskolan (Ystad, Sweden) Graduated with an average of 19.8, where 20 is the maximum
1999-2000 :	Cambridge course in Advanced English at Österportskolan (Ystad, Sweden) Cambridge certificate in Advanced English
summer 1998 :	French course at EF's summer school (Paris, France) EF's diploma in French
1996-1997 :	One year at high-school at Bullard High (Fresno, California, USA)

Skills

Languages :	native - Danish and Swedish fluently - English and French good - Spanish
Mathematics :	analysis - Numerical Analysis, Functional Analysis, Finite Elements, Non-linear Dynamical Systems optimization - Optimization and Datafitting, Discrete Ill-Posed Problems, Digital Image Analysis operational research - Combinatorial Optimization, Static and Dynamic Optimization statistics - Data Analysis, Multivariate, Time Series Analysis, Neural Networks algebra - Discrete Mathematics, Cryptology, Algebraic Curves and Surfaces for Form Modelling
IT :	super-user - MatLab, CPLEX, LaTeX, Word, Excel everyday user - Maple, SAS, S-Plus, R, PowerPoint, FrontPage knowledge - Java, Photoshop, SML, FemLab

Other Information

Awards :	2003/2004 - Scholarships to study abroad 2000 and 2002 - Scholarships for good grades 2000 - Scholarship in Chemistry 1999 and 2000 - Scholarships in Mathematics 1999 - Scholarship to represent Sweden at the EU conference 'Youth against violence' 1996 - Diploma for 100 % presence at Bullard High, USA
Hobbies :	Golf, Scuba diving, Reading, Cooking, Boxing, and Travelling