

CURRICULUM VITAE

Name : François Anton

Residence : Broholms Allé, 34, 1. th., 2920 Charlottenlund, Denmark

Age : 41 years

1 Education

1992 : Engineering degree in Geometry, Conservatoire National des Arts et Métiers, Paris, France (equivalent to a Bachelor in Pure Mathematics).

1995 : Master degree in Geomatics (M.Sc.), Laval University, Quebec City, Quebec, Canada.

2003 : Ph. D. in Computer Science (at the interface of Scientific Computation, Computational Algebraic Geometry and Computational Geometry), at the University of British Columbia, Vancouver, British Columbia, Canada. Followed courses in algebraic geometry and algebraic topology.

2 Current Employment Status and Most recent positions:

Current Employment Status : Associate Professor, Image Analysis and Computer Graphics Group, Department of Informatics and Mathematical Modelling, Technical University of Denmark, Kongens Lyngby, Denmark.

Most recent positions :

- Adjunct Professor at the Department of Geodesy and geomatics engineering, University of New Brunswick, Fredericton, New Brunswick, Canada from December 2005 till November 2009.
- Sessional instructor at the department of computer science of the Université de Moncton, Moncton, New Brunswick, Canada from January 2006 till April 2006; contract renewed till August 2007 but left for Denmark in August 2006.
- Alberta Ingenuity Fund Post-doctoral Fellow at the Alberta Ingenuity Fund Fellow at the Laboratory of Visualisation and Interactive Computing, Department of Computer Science, University of Calgary (Calgary, Alberta, Canada) for 2 years from January 2004, but left to be with my wife who got an Assistant Professor position at UNB in July 2005.

3 Brief discussion of research area in question

The following research works are directly or indirectly related to the research project area:

- research work on the algorithms and mathematical formulation of the “stolen area” interpolation technique within the kinematic Voronoi spatial data structure for points and open oriented line segments (as research associate at the NSERC/AIFQ Industrial Chair of Geomatics applied to Forestry at Laval University, Québec City, Québec, Canada);
- Ph.D. research on the Delaunay graph and Voronoi diagram of semi-algebraic sets (at the department of Computer Science of the University of British Columbia, Vancouver, British Columbia, Canada and INRIA Sophia Antipolis);
- post-doctoral research in progress on new paradigms for the algebraic and analytical specification of the field specifying interactively definable and subdividable implicit surfaces and their topology and surface reconstruction using point clouds Alberta Ingenuity Fund Fellow at the Laboratory of Visualisation and Interactive Computing, Department of Computer Science, University of Calgary (Calgary, Alberta, Canada);
- research on colour image feature extraction using fractals, the Delaunay graph and the Voronoi diagram (with Ojaswa Sharma, Darka Mioc and Ayman Habib.)

4 Other scientific qualifications (scholarships, grants, prizes)

Name	Value	Location	Period held
GeoConnections (co-applicant)	15,000 CAD	UNB with Assoc. Pulmonaire N.-B.	2006-2007
NB Innovation Fund	10,000.00 CAD	UNB	2006
Intergraph Education Award	272,160.00 CAD	UNB	2006
Oracle (OAI)	208,954 CAD	UNB (Canada)	2005
CARIS HPD	115,862.50 CAD	UNB (Canada)	2005
Intergraph Education Grant	2.6 Million USD	U. Calgary (Canada)	2004
Alberta Ingenuity Fund Fellow.	110,000 CAD	U. Calgary (Canada)	(2003-2005)
Terrific TA Honourable mention		UBC (Canada)	2001
INRIA Fellowship	5,070 €	INRIA (France)	09/2000-08/2001
French Government Fellow.	8,475 €	INRIA (France)	09/2000-08/2001
BC Advanced Systems Ins.	4,000 CAD	UBC (Canada)	09/2000
Bourse doctorale FCAR	60,000 CAD	UBC (Canada)	declined in 1998
Spanish Government Fellow.	6,420 €	U. Sevilla (Spain)	declined in 1998
NSERC PGS B	37,700 CAD	UBC (Canada)	09/1998-08/2000
Prime à la publication	600 CAD	U. Laval (Canada)	1994 & 1995
Prime à la diplomation	1,000 CAD	U. Laval (Canada)	1995
National Education Scholar.	960 €	C.N.A.M. (France)	1987/88
National Education Scholar.	960 €	C.N.A.M. (France)	1990/91
National Education Scholar.	960 €	C.N.A.M. (France)	1991/92