

BRIEF CURRICULUM VITÆ
JAKOB ANDREAS BÆRENTZEN

- **Personal Data**

Birthdate: 31 May 1973
Address: Gasværksvej 12c 2., 1656 Kbh. V
Address work: IMM, Building 321, Danmarks
Tekniske Universitet, DK-2800 Lyngby.
email: jab@imm.dtu.dk

- **Research Interests**

My research area is computer graphics and in particular shape representations: Synthesis, manipulation and visualization of shape models. Many of my contributions pertain to the distance field representation and its interaction with other shape representations.

- **Publications since January 2003**

Refereed journal publications: 3. Other: 11

- **Education**

2003, Ph.D., Technical University of Denmark.
1998, M.Sc.Eng., Technical University of Denmark.

- **Professional Experience**

2007– Associate Professor at DTU Informatics.
2002–2007 Assistant Professor at DTU Informatics
(12 weeks paternity leave during summer 2006)
2003–2004 Consultancy, Design and implementation of a software component for Videometer A/S.
2001–2002 Amanuensis at DTU Informatics.
2000–2002. Development of a 2D constraint based system for Byggeriets IT A/S.
1995–1997. Part-time Internet system administrator.

- **Administrative Duties**

2007– Director of Studies for the M.Sc. education *Applied Information and Communication Technology*.

- **Talks, Visits, Conferences (since 2004)**

2008, Chair for local organization of the Symposium on Geometry Processing 2008 and member of the international program committee.

Chair of the Graphical Visionday at DTU Informatics since its inception in 2003.

2006–2008, Member of the international program committee of the International Workshop on Volume Graphics.

November 2007. Talk on the use of real-time graphics for other purposes than games at the D3 Expo in Øksnehallen, Copenhagen.

July 2005, Talk on shape modelling using distance fields at the AIM@SHAPE Summer School on Interactive Shape Modeling Darmstadt.

May 2004. Talk given at CISP 2004. *Shape Representation and Manipulation in Computer Graphics*.

January 2004. Chair of the Graphical Content Day at IMM, DTU.

- **Courses**

Real-time Graphics for Games and Virtual Reality.
Computational Geometry Processing.
Image Analysis and Optimization. (project advisor).

- **Students**

Marek Krzysztof Misztal whose PhD project is about deformable interfaces.

Katarzyna Gebal (from October 08) whose PhD project is about operational shape descriptors.

Co-Advisor of Vedrana Andersen whose PhD project is about the analysis and synthesis of fine scale geometric detail.

Counting current projects, I have been the main thesis project advisor of 11 M.Sc. students, 3 B.Sc. students, and a diplomingeniør student since 2005.