

Krus, Michaël

Date of birth : 28 January 1969
Nationality : French
Foreign Languages: Native French – English.
German : notions.

Education

Currently **PhD** in computer science at the Paris XI University (Orsay), with the LIMSI (Laboratoire d'Informatique pour la Mécanique et les Sciences de l'Ingénieur) and the R&D Division of *Electricité de France*. End expected in may 1999.

1995 **MsC** (French DEA) in Computer Science at the Paris XI University (Orsay)

1993 **MsC** (French DESS) in Computer Science (Systems and Human-Computer Interaction), with merit, at the Paris XI University.
Conducted during a CREPUQ exchange program the University of Concordia at Montreal, Canada.

1992 **BsC** (French Maîtrise) in Computer Science at the Paris XI University (Orsay)
Diploma in Computer Science, with merit, at the University of Kent at Canterbury, England. Conducted during an Erasmus exchange program.

1990 French **DEUG** in Mathematics at the University of Reims.

1987 French Baccalauréat C series (mathematics).

Computer Science Specialty

Virtual Reality, Real time graphics, OpenGL and Optimizer programming, Graphical User Interfaces, Multimodal Interfaces.

PhD thesis topic: implementation of a 3D navigation software in virtual scenes of industrial installations, using geometry optimization by adaptively tessellating primitives based on the viewing conditions and managing the connection information so that the meshes of adjacent objects remain continuous.

Programming: C/C++ (Unix/Motif and Windows/MFC), OpenGL and OpenGL Optimizer, VRML
Software: Oxygen (Prosolvia), dVise (Division), PDMS/Review (CADCenter), Visual Studio (Microsoft)

Professional Experience

- **July – August 91:** workstation administration. Programming of C utilities for databases and statistical analysis software, at the CREDOC (Center for the study and documentation of living conditions) in Paris.
- **February – May 92,** BsC project: real time parallel 3D rendering engine with scripted animation.
- **July – August 92:** Programming of a database access application in a forth generation language (4GL), at the CREDOC.
- **June – August 93,** MsC project: Design and implementation of a C++ application in XWindow for the interactive edition of transition graphs at the CNRS/LIMSI in Orsay.
- **February – July 94:** Design and implementation of a modality server in an X11 environment for the integration of new modalities (gesture and vocal commands). Integration of a multimodal user interface in a 3D CAD software at the CNRS/LIMSI.
- **September 94 – August 95:** Study of multimodal information presentation processes. Definition of the concepts related to multimodal presentations and validation by implementing a small prototype.

Miscellaneous

- Marital status: married, one child (two years old)
- Leisure activities: Cinema, books, video games.