
Stéphane GRABLI

938 6th street #8
Santa Monica, CA 90403, USA

tel : (1) 310 654 7114

Stephane.Grabli at gmail.com

<http://artis.imag.fr/Members/Stephane.Grabli>

Ph.D. in Computer Graphics

02.01.1977

French Nationality

Single

Authorized to work in the US



Education

- Currently* Working in an animation company based in Los Angeles.
- 2001-05 **Ph.D.** thesis in Computer Graphics at **UJF** (Joseph Fourier University) in Grenoble. (*Graduation in March 2005*)
- 2001-04 **Monitorat** (Teaching Assistant) in Computer Science at **UJF**.
- 2000-01 **DEA** (Diplôme d'Etudes Approfondies), equivalent to a Master Degree, in Computer Graphics at **INPG** (National Polytechnic Institute of Grenoble), honors.
- 1996-99 **Engineering degree** in Electronics, Telecommunications and Computer Science at **INPG**, honors.

Research Activities

- 2001-05 **Ph.D.** thesis, *Drawing-Based Stylized Rendering*, at **ARTIS/GRAVIR – INRIA** in Grenoble, France, supervised by François Sillion. **Reviewer** for Siggraph, Eurographics, GI, NPAR, CGF, CG&A.
- 2002-03 7 months at **MIT**, Cambridge, USA in the framework of a collaboration with Prof. Frédo Durand.
- 2000-01 **DEA** at **iMAGIS/GRAVIR-INRIA**, supervised by François Sillion. *Image-Based Hair Capture by Inverse Lighting*.
- Collaboration with Stephen R. Marshner (Cornell University) and Jerome E. Lengyel (Microsoft Research).

Software Development

- 2001-05 **Freestyle**: Non-Photorealistic Renderer of line-drawings from 3D scenes including a procedural language for the style description. Released under the GPL license. <http://freestyle.sourceforge.net>

Professional Experience

- 2000 Research and Development engineer at **Dassault-Systèmes**, the CAD/CAM leader company, within the **CATIA** 3D Graphics team. Development in C++ on Windows and UNIX.
- 1999 Four months internship within **Dassault-Systèmes**. Achievement of a Vocal interface for **CATIA** software. Development in C++ on Windows.
- 1998 Three months at **iMAGIS/GRAVIR-INRIA**. Collaboration with **Hewlett-Packard** on the research project *Ville*, dealing with the interactive visualization of urban data on a single workstation and over the network. Development in C++ and OpenGL on UNIX and Windows.
- 1997 Four weeks at **Hybrid MC**, French company specialized in Virtual Reality and Augmented Reality: participation in the production of an industrial 3D film for the French manufacturer **Renault**.

Publications

- 2004 Programmable Style for NPR Line Drawing
Stéphane Grabli, Emmanuel Turquin, Frédo Durand, François Sillion
Rendering Techniques (Eurographics Symposium on Rendering)

Density Measure for Line-Drawing Simplification
Stéphane Grabli, Frédo Durand, François Sillion
Proc. Pacific Graphics

- 2003 A Procedural Approach to Style for NPR Line Drawing from 3D Models
Stéphane Grabli, Frédo Durand, Emmanuel Turquin, François Sillion
INRIA Research Report 4724
- 2002 Image-Based Hair Capture by Inverse Lighting
Stéphane Grabli, François Sillion, Stephane R. Marschner, Jerome E. Lengyel
Proc. Graphics Interface
- Modélisation de cheveux à partir d'images par analyse de l'éclairage
Stéphane Grabli, François Sillion
Revue Internationale de CFAO et d'Informatique Graphique

Teaching Activities

- 2001-04 Introduction to C, UNIX and Automata (DEUG SMa second year, at **UJF**)
- 2002-04 Algorithms, 2nd level (RICM, **ISTG**)
- 2001-02 SPARC Assembly Language and Introduction to C Language (RICM, **ISTG**)

Technical Knowledge

Competences Computer Graphics, Mathematics, Computer Vision
Languages C++/C, Python, Perl, LaTeX, HTML
OS *NIX, Windows, MacOSX.
Libraries STL, Boost, OpenGL, Cg, Qt, Win32 (COM/ActiveX), Swig.
Dev. Tools Visual Studio, PurifyPlus, Subversion, CVS.
Tools Photoshop, Illustrator, 3D Studio Max, Maya, Blender, CATIA v5, Office.

Languages

French Native.
English Fluent.
Hebrew Intermediate.

Extra Activities

Drawing Several painted walls (including one exhibited at the Grand Palais in Paris). Award-winning two page comic (second prize) for the Angoulême competition.

Sports Swimming, skiing, rollerblading, tennis, hiking, volley-ball.

References

François X. Sillion Senior Researcher, INRIA (Grenoble, France)
Francois.Sillion@imag.fr
(+33) 4 76 61 54 23

Frédo Durand Assistant Professor, MIT (Cambridge, MA, USA)
fredo@mit.edu
(617) 253 7223

Victor Ostromoukhov Associate Professor, University of Montreal (Montreal, Canada)
ostrom@iro.umontreal.ca
(514) 343 6509