ALEXANDRINA ORZAN

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RESEARCH INTERESTS

Image synthesis and image processing for expressive rendering.
User interaction techniques for computer graphics.
Perceptually-based rendering.

EDUCATION

Ph.D. in Computer Science, Grenoble Institute of Technology (France), 2005 - 2009
thesis: Contour-Based Images: Representation, Creation and Manipulation
advisers: Joëlle Thollot and Jean-Marc Hasenfratz

M.Sc. in Computer Science, École Normale Supérieure de Cachan (France), 2004 - 2005
Graduated with Honours. Computer science studies with focus on algorithm design.
thesis: Omnidirectional texturing of human actors from multiple view video sequences
adviser: Jean-Marc Hasenfratz

B.Sc. in Computer Science, "Alexandru Ioan Cuza" University (Romania), 1999 - 2003
Graduated with an average of 9,06 (out of 10). Graduation dissertation topic: "3D function modeling".

PUBLICATIONS

Journal Articles (Refereed)

1. HOLGER WINNEMÖLLER, ALEXANDRINA ORZAN, LAURENCE BOISSIEUX, JOËLLE THOLLOT (2009) Texture Design and Draping in 2D Images. *Computer Graphics Forum (Proceedings of EGSR 2009)* — acceptance rate 29%.

2. ALEXANDRINA ORZAN, ADRIEN BOUSSEAU, HOLGER WINNEMÖLLER, PASCAL BARLA, JOËLLE THOLLOT, DAVID SALESIN. (2008) Diffusion curves: a vector representation for smooth-shaded images. *ACM Transactions on Graphics (Proceedings of SIGGRAPH 2008)* — acceptance rate 17%.

Papers in Published Conference Proceedings (Refereed)

3. ALEXANDRINA ORZAN, ADRIEN BOUSSEAU, PASCAL BARLA, JOËLLE THOLLOT. (2007) Structure preserving manipulation of photographs. *Proceedings of the International Symposium on Non-Photorealistic Animation and Rendering (NPAR) 2007*— acceptance rate 47%.

4. ALEXANDRINA ORZAN, JEAN-MARC HASENFRATZ. 2005. Omnidirectional texturing of human actors from multiple view video sequences. *Proceedings ofACM SIGCHI Romanian Conference on Computer-Human Interaction 2005.*

Book Chapters

5. ALEXANDRINA ORZAN. (2003) Virtual Geometry (with VRML, SVG and PHP) — in Romanian. Chapter 5 of the book "Web applications. Case-studies implemented in PHP", coordinator Lector Dr. Sabin Corneliu Buraga. *Polirom 2003.*

Papers in Published Conference Proceedings (Non-Refereed)

6. ALEXANDRINA ORZAN, JEAN-MARC HASENFRATZ. (2006) Plaquage omnidirectionnel de textures provenant de séquences vidéo. *Journées AFIG 2006.*

Posters

7. ALEXANDRINA ORZAN, ADRIEN BOUSSEAU, HOLGER WINNEMÖLLER, PASCAL BARLA, JOËLLE THOLLOT, DAVID SALESIN. (2008) Sketching complex-colored vector images. *Marie Curie Fellows Conference 2008.*

8. ALEXANDRINA ORZAN, ADRIEN BOUSSEAU, PASCAL BARLA, JOËLLE THOLLOT. (2007) Multi-scale shape manipulations of photographs. *SIGGRAPH Posters 2007.* — refereed

EXPERIENCE

Research internship at Adobe Systems Inc. (Seattle, USA). August to November 2008
Intern in the "Advanced Technology Labs" under the supervision of Holger Winnemöller and David Salesin. Work on innovative vector graphics representations.

Exchange student at "Louis Pasteur" University (Strasbourg, France). Mars to June 2004
Part of the ERASMUS program for academic mobility. Completed a semester of master-level courses in image processing.

Teaching assistant, "Alexandru Ioan Cuza" University (Romania), Oct. 2003 to Jan. 2004
Assistant in introductory courses offered by the Faculty of Computer Science. The position included the preparation of tutorials and the supervision of lab activities.

SKILLS

Programming Strong programming experience with C/C++ and OpenGL. Experience with Qt development framework and GLSL shaders. Web design skills using PHP, MySQL and SVG.

Languages Proficient in English, French and Romanian. Holder of a *Cambridge Certificate in Advanced English*, grade A.