

Daniele Panozzo

PERSONAL	Born: July 25 1985, Albenga, Italy.
CONTACT INFORMATION	Full address: Dipartimento di Informatica e Scienze dell'Informazione Universita' di Genova Via Dodecaneso, 35 16146 Genova - ITALY Tel: +39 3396948006 Email: panozzo@disi.unige.it Website: http://www.disi.unige.it/person/PanozzoD/
OBJECTIVE	Academic or research position in Computer Science within a University or a public or private research institution.
INTERESTS	Geometric Modelling, Interactive Graphics, Computational Geometry, Computer Vision, Image Processing
CURRENT OCCUPATION	PhD Student in Computer Science University of Genova, DISI, Italy
EDUCATION	High School Degree, ITIS Galileo Ferraris, Savona, Italy, July 2004 Grade: 100/100 Bachelor of Computer Science, University of Genova, DISI, Italy, September 2007 Average Grade: Average grade 32.07/30 (30/30 cum laude considered as 33/30) Final Grade: 110/110 cum laude Thesis title: <i>"Selectively refinable subdivision meshes"</i> Thesis advisor: Professor Enrico Puppo Master of Computer Science, University of Genova, DISI, Italy, October 2008 Average Grade: Average grade 31.77/30 (30/30 cum laude considered as 33/30) Final Grade: 110/110 cum laude Thesis title: <i>"News visualization on maps"</i> Thesis advisor: Professor Giovanna Guerrini The thesis has been developed during a research stage at the University of Maryland under the supervision of Professor Hanan Samet
SUMMER SCHOOLS ATTENDED	International Summer School on Shape Modeling and Reasoning Genova, June 18-22, 2007 Department of Computer Science, University of Genova - Genova (ITALY)

Course on Geometry Processing
taught by Leif Kobbelt and Mario Botsch
Copenhagen(Lyngby), June 30 - July 1, 2008
Department of Computer Science, Technical University of Denmark in Lyngby - (Denmark)

**CONFERENCES
ATTENDED**

9th Annual Symposium on Geometry Processing (SGP 2011)
Lausanne, Switzerland, July 20-22, 2011

24th Annual Symposium on Computational Geometry (SCG 08)
College Park, June 9-11, 2008
University of Maryland in College Park, Maryland, USA

6th Annual Symposium on Geometry Processing (SGP 08)
Copenhagen, Denmark, July 2-4, 2008

Fourth International Conference on Computer Graphics Theory and Applications,
Lisbon, Portugal, February 5-8, 2009

7th IAPR-TC-15 International Workshop on Graph-Based Representations in Pattern
Recognition,
Venice, Italy, May 26-28, 2009

7th Eurographics Italian Chapter Conference,
Verona, Italy, October 22-23, 2009

Eurographics 2010
Norrkoping, Sweden, May 4-7, 2010

**COMPUTER
SKILLS**

Languages: Proficient in C, C++, Matlab, Java, Latex, SQL, Ruby. Some experience
with Python, C#, Bash Shell Scripting, Php.

Operating Systems: MacOSX, Linux, Windows 98/2000/XP/Vista/7

Software Libraries and Toolkit: OpenGL, OpenCL, VCG, OpenMesh, CGAL, Troll-
tech Qt, Eigen

Code version control systems: Mercurial, Subversion, CVS

**WORK
EXPERIENCE**

Laboratory Technical Assistant Fall 2005
Technical Institute of Savona,
ITIS - Galileo Ferraris, Savona, Italy

Research Assistant Spring 2008
in the research group of Professor Hanan Samet
University of Maryland Institute for Advanced Computer Studies
UMIACS - Maryland, USA

Research Assistant Winter 2008
in the Geometry and Graphics Group led by Professor Leila De Floriani
University of Genova, DISI - Italy

Teaching Assistant Fall 2008, Fall 2009
Interactive Graphics
University of Genova, DISI - Italy

Teaching Assistant Fall 2008, Fall 2009
Geometric Algorithms
University of Genova, DISI - Italy

Teaching Assistant Spring 2010
Calculus
University of Genova, DISI - Italy

Visiting Researcher Fall 2010 and Winter 2011
at New York University,
under the supervision of Professor Denis Zorin and Professor Olga Sorkine
NYU, Courant Institute of Mathematical Science, NY USA

Visiting Researcher Fall 2011
at Interactive Geometry Group,
under the supervision of Professor Olga Sorkine
ETH, Zurich, Switzerland

**LANGUAGE
SKILLS**

Mother language: Italian
Other languages: English (TOEFL score 107/120)

AWARDS

Two years fellowship awarded from **ISICT**, September 2007
Institute of Advanced Studies in Information and Communication Technologies of Gen-
ova to support of my Master studies (www.isict.it).

Three years fellowship awarded from the **University of Genova** January 2009
to support my PhD studies.

PUBLICATIONS

David Harmon, Daniele Panozzo, Olga Sorkine, Denis Zorin,
Interference Aware Geometric Modeling,
ACM Transactions on Graphics,
Proceedings of SIGGRAPH Asia 2011, Volume 30, Number 6 - 2011
Hong Kong, China, December 12-15, 2011

M. Tarini, E. Puppo, D. Panozzo, N. Pietroni, P. Cignoni,
Simple Quad Domains for Field Aligned Mesh Parametrization,
ACM Transactions on Graphics,
Proceedings of SIGGRAPH Asia 2011, Volume 30, Number 6 - 2011
Hong Kong, China, December 12-15, 2011

D. Panozzo, E. Puppo, M. Tarini, N. Pietroni, P. Cignoni,
Automatic Construction of Quad-Based Subdivision Surfaces using Fitmaps,
Visualization and Computer Graphics, IEEE Transactions on , to appear

D. Panozzo, E. Puppo,
Implicit Hierarchical Quad-Dominant Meshes,
Computer Graphics Forum, to appear

A. Bozzo, D. Panozzo, E. Puppo, N. Pietroni, L. Rocca,
Adaptive quad mesh simplification,

EGIT 2010, In Proceedings of 8th Eurographics Italian Chapter 2010, Genoa, Italy, November 18-19, 2010.

D. Panozzo, E. Puppo, L. Rocca,
Efficient Multi-scale Curvature and Crease Estimation,
GraVisMa 2010, In Proceedings of Computer Graphics, Computer Vision and Mathematics, Brno, Czech Republic, September 7-10, 2010

L. De Floriani A. Hui, D. Panozzo D. Canino,
A Dimension-Independent Data Structure for Simplicial Complexes,
In Proceedings of the 19th International Meshing Roundtable, Chattanooga, Tennessee, October 3-6, 2010

D. Panozzo, E. Puppo,
Adaptive LOD Editing of Quad Meshes,
In Proceedings of the 7th international Conference on Computer Graphics, Virtual Reality, Visualisation and interaction in Africa, Franschhoek, South Africa, June 21 - 23, 2010
(*AFRIGRAPH 2010 Best Paper Award*)

M. Tarini , N. Pietroni , P. Cignoni , D. Panozzo, E. Puppo,
Practical quad mesh simplification,
Computer Graphics Forum, Volume 29, Number 2 - 2010

L. De Floriani, D. Panozzo A. Hui,
Computing and Visualizing a Graph-Based Decomposition for Non-Manifold Shapes,
Proceedings of the 7th IAPR-TC-15 International Workshop on Graph-Based Representations in Pattern Recognition, 2009

E. Puppo, D. Panozzo,
Rgb Subdivision,
IEEE Transactions on Visualization and Computer Graphics, vol.15, no.2, pp.295-310, March-April 2009

D. Panozzo, E. Puppo,
Interpolatory Adaptive Subdivision for Mesh Lod Editing,
GRAPP 2009, Proceedings of the Fourth International Conference on Computer Graphics Theory and Applications, Lisbon, Portugal, February 5-8, 2009

B. Teitler, M. Lieberman, D. Panozzo, J. Sankaranarayanan, H. Samet, J. Sperling
NewsStand: A New View on News
In Proceedings of the 16th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems, pages 144-153, Irvine, CA, November 2008.
(*ACM SIGSPATIAL GIS 2008 Best Paper Award*)

INVITED TALKS: **Automatic Construction of Quad-Based Subdivision Surfaces,**
CNR, Pisa, Italy, 22/04/2010

Patchwork terrains,
New York University, NY, USA, 09/11/2010

Advances in Content-Aware Image Retargeting,
University of Nottingham, UK, 26/05/2011

Quad mesh simplification and parametrization,
University of Cambridge, UK, 30/05/2011

PROFESSIONAL ACTIVITIES:	Reviewer, Compute Graphics Forum,	2009
	Reviewer, Nokia Educational Material,	2009,2010,2011
	Reviewer, GraVisMa,	2010
	Reviewer, Eurographics,	2011
	Reviewer, The Visual Computer,	2011
	Reviewer, Grapp,	2011
	Reviewer, Siggraph,	2011
	Reviewer, IEEE Transactions on Multimedia,	2011