

POORAN MEMARI'S PUBLICATIONS

- *Mean value coordinates for quad cages in 3D*,
Jean-Marc Thiery, Pooran Memari, Tamy Boubekeur.
ACM Transactions on Graphics - Proc. SIGGRAPH Asia 2018.
- *A survey on data-driven dictionary-based methods for 3D modeling*,
Thibault Lescoat, Maks Ovsjanikov, Pooran Memari, Jean-Marc Thiery, Tamy Boubekeur.
Computer Graphics Forum, Vol. 37, No. 2, pp. 577-601, (Eurographics 2018 STARS).
- *Generalized Barycentric Coordinates in Computer Graphics and Computational Mechanics*,
Chapter 9: Generalized triangulations, Pooran Memari.
Editors: Kai Hormann, N. Sukumar, CRC Press/Taylor & Francis Group, Pages 147-156, 2017.
- *Conformal Factor Persistence for Fast Hierarchical Cone Extraction*,
Ana Vintescu, Florent Dupont, Guillaume Lavoué, Pooran Memari, Julien Tierny.
Proceedings of Eurographics 2017 short papers.
- *Least Squares Affine Transitions for Global Parameterization*,
Ana Vintescu, Florent Dupont, Guillaume Lavoué, Pooran Memari, Julien Tierny.
Proceedings of 25th International Conference in Central Europe on Computer Graphics,
Visualization and Computer Vision 2017.
- *Weighted triangulations for geometry processing*,
Fernando de Goes, Pooran Memari, Patrick Mullen, Mathieu Desbrun.
ACM Transactions on Graphics (TOG) 33.3 (2014): 28. (Presented at Siggraph 2014)
- *Geometric Tomography with Topological Guarantees*,
Omid Amini, Jean-Daniel Boissonnat, Pooran Memari.
Journal: Discrete & Computational Geometry, 50.4 (2013): Pages 821-856, Springer.
- *Geometric Aspects of the Space of Triangulations*,
Pooran Memari.
Actes des rencontres du CIRM, 3 no. 1: Courbure discrète : théorie et applications (2013),
Pages 141-150, 013.
- *Hodge-optimized triangulations*,
Patrick Mullen, Pooran Memari, Fernando de Goes, Mathieu Desbrun.
ACM Transactions on Graphics (TOG), Proceedings of Siggraph, volume 30, Pages 103-114. ACM, 2011.
- *Parameterization of Generalized Primal-Dual Triangulations*,
Pooran Memari, Patrick Mullen, Mathieu Desbrun.
Proceedings of International Meshing Roundtable, 2011.
- PhD Thesis *Geometric Tomography With Topological Guarantees*,
Pooran Memari.
INRIA Sophia-Antipolis, University of Nice-Sophia Antipolis, 2010.
- *Provably Good 2D Shape Reconstruction from Unorganized Cross Sections* ,
Pooran Memari, Jean-Daniel Boissonnat.
Computer Graphics Forum, Vol.27, No. 5, Pages 1403-1410, 2008.
Proceedings of Symposium on Geometry Processing (SGP), 2008.
- *Shape Reconstruction From Unorganized Cross Sections*,
Jean-Daniel Boissonnat, Pooran Memari.
Symposium on Geometry Processing (SGP), 2007.