**#3d830c**

**Publications with Previous Affiliations**

***2020***

**Application of Deep Learning to Design Renewable Energy Systems for a Zero Energy Multifamily Building.**F. Della Santa, M. Ferrara, M. Bilardo, A. De Gregorio, U. Fugacci, A. Mastropietro, E. Fabrizio, F. Vaccarino. *In 15th Conference on Sustainable Development of Energy, Water and Environment Systems, 2020.*

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**Efficient Homology-Preserving Simplification of High-Dimensional Simplicial Shapes.** R. Fellegara, F. Iuricich, L. De Floriani, and U. Fugacci. *In Computer Graphics Forum, vol. 39(1), pages 244-259, 2020.*

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***2019***

**Chunk Reduction for Multi-Parameter Persistent Homology.** U. Fugacci, M. Kerber. *In 35th International Symposium on Computational Geometry, vol. 129, pages 37:1-37:14, 2019.*

**A Kernel for Multi-Parameter Persistent Homology.** R. Corbet, U. Fugacci, M. Kerber, C. Landi, B. Wang. *In Computer and Graphics, vol. 2, page 100005, 2019.*(Awarded as Best Paper at SMI 2019)

**Computing Discrete Morse Complexes from Simplicial Complexes.** U. Fugacci, F. Iuricich, L. De Floriani. *In Graphical Models, vol. 103, page 101023, 2019.*

***2018***

**Clique Community Persistence: a Topological Visual Analysis Approach for Complex Networks.** B. Rieck, U. Fugacci, J. Lukasczyk, H. Leitte. *In IEEE Transactions on Visualization and Computer Graphics, vol. 24(1), pages 822-831, 2018.*

***2016***

**Persistent Homology: a Step-by-Step Introduction for Newcomers.** U. Fugacci, S. Scaramuccia, F. Iuricich, L. De Floriani. *In Smart Tools and Apps for Graphics - Eurographics Italian Chapter Conference, 2016.*

**Analysis of Geolocalized Social Networks based on Simplicial Complexes.**R. Fellegara, U. Fugacci, F. Iuricich and L. De Floriani. *In 9th ACM SIGSPATIAL International Workshop on Location-Based Social Networks (LSBN), pages 5:1-5:8, 2016.*

**Homological Shape Analysis through Discrete Morse Theory.** L. De Floriani, U. Fugacci, F. Iuricich. *In Perspectives in Shape Analysis, Springer Berlin Heidelberg, pages 187-209, 2016.*

***2015***

**Topologically-Consistent Simplification of Discrete Morse Complex.** F. Iuricich, U. Fugacci and L. De Floriani. *In Computer and Graphics, vol. 51, pages 157 - 166, 2015.* (Awarded with a Honorable Mention at SMI 2015)

**Morse Complexes for Shape Segmentation and Homological Analysis: Discrete Models and Algorithms.** L. De Floriani, U. Fugacci, F. Iuricich, P. Magillo. *In Computer Graphics Forum 34(2), pages 761-785, 2015.*

***2014***

**Topological Modifications and Hierarchical Representation of Cell Complexes in Arbitrary Dimensions.** L. Comic, L. De Floriani, F. Iuricich and U. Fugacci. *In Computer Vision and Image Understanding, 121, pages 2-12, 2014.*

**Efficient Computation of Simplicial Homology Through Acyclic Matching.** U. Fugacci, L. De Floriani, F. Iuricich. *In 16th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC 2014), pages 587-593, 2014.*