
Yanir Kleiman - Publications

Mobile: +33 6 43 15 44 94

Website: www.yanirk.com

Email Address: yanirk@gmail.com

My research initially focused on shape analysis, similarity, segmentation and shape matching. In recent years I have focused mainly on deep learning techniques and their application to 3D models represented by point clouds and polygonal meshes.

- 2019 **Boosting VFX Production with Deep Learning**
Yanir Kleiman, Simon Pabst, Patrick Nagle
ACM SIGGRAPH Talks, 2019
- 2018 **PCPNet: Learning Local Shape Properties from Raw Point Clouds**
Paul Guerrero, Yanir Kleiman, Maks Ovsjanikov, Niloy J. Mitra
Computer Graphics Forum (Proceedings of Eurographics), 2018
- 2018 **Group optimization for multi-attribute visual embedding**
Qiong Zeng, Wenzheng Chen, Zhuo Han, Mingyi Shi, Yanir Kleiman, Daniel Cohen-Or, Baoquan Chen, Yangyan Li
Visual Informatics, 2018
- 2018 **Dance to the beat: Synchronizing motion to audio**
Rachele Bellini, Yanir Kleiman, Daniel Cohen-Or
Computational Visual Media, 2018
- 2018 **Robust Structure-Based Shape Correspondence**
Yanir Kleiman, Maks Ovsjanikov
Computer Graphics Forum, 2018
- 2017 **Region-Based Correspondence Between 3D Shapes via Spatially Smooth Biclustering**
Matteo Denitto, Simone Melzi, Manuele Bicego, Umberto Castellani, Alessandro Farinelli, Mario A. T. Figueiredo, Yanir Kleiman, Maks Ovsjanikov
ICCV 2017
- 2016 **Semantic Similarity and Correspondence of 3D Shapes and Images**
Yanir Kleiman
PhD Dissertation
- 2016 **Time-varying Weathering in Texture Space**
Rachele Bellini, Yanir Kleiman, Daniel Cohen-Or.
ACM Transactions on Graphics (Proceedings of SIGGRAPH), 2016
- 2016 **Toward Semantic Image Similarity from Crowdsourced Clustering**
Yanir Kleiman, George Goldberg, Yael Amsterdamer, Daniel Cohen-Or.
The Visual Computer (Proceedings of CGI), 2016
- 2015 **SHED: Shape Edit Distance for Fine-grained Shape Similarity**
Yanir Kleiman, Oliver van Kaick, Olga Sorkine-Hornung, Daniel Cohen-Or.
ACM Transactions on Graphics (Proceedings of SIGGRAPH Asia), 2015
- 2015 **DynamicMaps: Similarity-based Browsing through a Massive Set of Images**
Yanir Kleiman, Dov Danon, Jasmin Felberbaum, Joel Lanir, Daniel Cohen-Or.
Proceedings of ACM Conference on Human Factors in Computing Systems, 2015
- 2014 **Shape Segmentation by Approximate Convexity Analysis**
Oliver van Kaick, Noa Fish, Yanir Kleiman, Shmuel Asafi, Daniel Cohen-Or.
Transactions on Graphics (TOG), 2014
- 2013 **Dynamic Maps for Exploring and Browsing Shapes**
Yanir Kleiman, Noa Fish, Joel Lanir, Daniel Cohen-Or.
Computer Graphics Forum (Proceedings of SGP), 2013
- 2011 **Unsupervised co-segmentation of a set of shapes via descriptor-space spectral clustering**
Oana Sidi, Oliver van Kaick, Yanir Kleiman, Hao Zhang, and Daniel Cohen-Or.
ACM Transactions on Graphics (Proceedings of SIGGRAPH Asia), 2011

2007 **Paging with connections: FIFO strikes again**
Leah Epstein, Yanir Kleiman, Jiri Sgall, Rob van Stee.
Theoretical Computer Science, 2007

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