

Publications of Benjamin Bustos by year

Year 2009

1. Benjamin Bustos, Gonzalo Navarro. Improving the Space Cost of k-NN Search in Metric Spaces by Using Distance Estimators. *Multimedia Tools and Applications (MTAP)* 41(2):215-233, Jan 2009. Springer, New York, NY, USA. ISSN 1380-7501.
2. Ceyhun Akgül, Apostolos Axenopoulos, Benjamin Bustos, Mohamed Chaouch, Petros Daras, Helin Dutagaci, Takahiko Furuya, Afzal Godil, Sebastian Kreft, Zhouhui Lian, Thibault Napoléon, Athanasios Mademlis, Ryutarou Ohbuchi, Paul Rosin, Bülent Sankur, Tobias Schreck, Xianfang Sun, Masaki Tezuka, Yücel Yemez, Anne Verroust-Blondet, Michael Walter. SHREC'09 Track: Generic Shape Retrieval. In Michela Spagnuolo, Ioannis Pratikakis, Remco Veltkamp, Theoharis Theoharis (ed.), *Proc. 2nd Eurographics Workshop on 3D Object Retrieval (3DOR)*, pp. 61-68, Mar 2009. Munich, Germany. Eurographics Association. ISBN 978-3-905674-16-3.
3. Tobias Schreck, Benjamin Bustos, Michael Walter. A Query-by-Example Concept and User Interface for Global and Partial 3D Object Retrieval. In Michela Spagnuolo, Ioannis Pratikakis, Remco Veltkamp, Theoharis Theoharis (ed.), *Proc. Posters of 2nd Eurographics Workshop on 3D Object Retrieval (3DOR)*, Mar 2009. Munich, Germany.
4. Juan Manuel Barrios, Diego Díaz, Benjamin Bustos. Text-Based and Content-Based Image Retrieval on Flickr: DEMO. In Vlatislav Dohnal, Tomás Skopal, Pavel Zezula (ed.), *Proc. 2nd International Workshop on Similarity Search and Applications (SISAP)*, pp. 156-157, Aug 2009. Prague, Czech Republic. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-0-7695-3765-8.
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6. Benjamin Bustos, Tobias Schreck. Feature-Based 3D Object Retrieval. In *Encyclopedia of Database Systems*, pp. 1125-1128, Sep 2009. Springer, New York, NY, USA. ISBN 978-0-387-49616-0.

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1. Ivan Sipiran, Benjamin Bustos. A Robust 3D Interest Points Detector Based on Harris Operator. In M. Daoudi, T. Schreck, M. Spagnuolo, I. Pratikakis, R. Veltkamp, T. Theoharis (ed.), *Proc. 3rd Eurographics Workshop on 3D Object Retrieval (3DOR)*, pp. 7-14, May 2010. Norrköping, Sweden. Eurographics Association. ISBN 978-3-905674-22-4.

2. Alexander Bronstein, Michael Bronstein, Benjamin Bustos, Umberto Castellani, Marco Crisani, Bianca Falcidieno, Leonidas Guibas, Iasonas Kokkinos, Vittorino Murino, Maks Ovsjanikovy, Giuseppe Patanè, Ivan Sipiran, Michela Spagnuolo, Jian Sun. SHREC 2010: Robust Feature Detection and Description Benchmark. In M. Daoudi, T. Schreck, M. Spagnuolo, I. Pratikakis, R. Veltkamp, T. Theoharis (ed.), *Proc. 3rd Eurographics Workshop on 3D Object Retrieval (3DOR)*, pp. 79-86, May 2010. Norrköping, Sweden. Eurographics Association. ISBN 978-3-905674-22-4.
3. Marcelo Arenas, Benjamin Bustos, ed. *Proceedings of the 28 Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, Nov 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-0-7695-4137-2.
4. Jose Saavedra, Benjamin Bustos. An improved histogram of edge local orientations for sketch-based image retrieval. In Michael Goesele, Stefan Roth, Arjan Kuijper, Bernt Schiele, Konrad Schindler (ed.), *Proc. 32nd Annual Symposium of the German Association for Pattern Recognition (DAGM)*, pp. 432-441, Sep 2010. Darmstadt, Germany. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6376. ISBN 978-3-642-15985-5.
5. Benjamin Bustos, Tomas Skopal. Beyond the Metric Space Model. *SIGSPATIAL Special* 2(2):20-23, Jul 2010. ACM Press, New York, NY, USA. ISSN 1946-7729. Invited paper.
6. Benjamin Bustos, Nelson Morales. On the Asymptotic Behavior of Nearest Neighbor Search using Pivot-Based Indexes. In Paolo Ciaccia and Marco Patella (ed.), *Proc. 3rd International Workshop on Similarity Search and Applications (SISAP)*, pp. 33-39, Sep 2010. Istanbul, Turkey. ACM Press, New York, NY, USA. ISBN 978-1-4503-0420-7.
7. Victor Sepulveda, Benjamin Bustos. CP-Index: Using Clustering and Pivots for Indexing Non-Metric Spaces. In Paolo Ciaccia and Marco Patella (ed.), *Proc. 3rd International Workshop on Similarity Search and Applications (SISAP)*, pp. 75-82, Sep 2010. Istanbul, Turkey. ACM Press, New York, NY, USA. ISBN 978-1-4503-0420-7.
8. Barbara Poblete, Benjamin Bustos, Marcelo Mendoza, Juan Manuel Barrios. Visual-Semantic Graphs: Using Queries to Reduce the Semantic Gap in Web Image Retrieval. In Xiangji Jimmy Huang, Gareth Jones, Nick Koudas, Xindong Wu, and Kevyn Collins-Thompson (ed.), *Proc. 19th ACM International Conference on Information and Knowledge Management (CIKM)*, pp. 1553-1556, Oct 2010. Toronto, Canada. ACM Press, New York, NY, USA. ISBN 978-1-4503-0099-5.
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10. Luis A. González Ares, Nieves Brisaboa, Benjamin Bustos, Alberto Ordóñez Pereira, Óscar Pedreira Fernández. Optimización de las búsquedas kNN en espacios métricos. In Ernest

Teniente, Silvia Abrahão (ed.), *Proc. XV Jornadas de Ingeniería del Software y Bases de Datos (JISBD)*, pp. 153-162, Sep 2010. Valencia, Spain. ISBN 978-84-92812-51-6.

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1. Edmond Boyer, Alexander Bronstein, Michael Bronstein, Benjamin Bustos, T. Darom, Radu Horaud, Ingrid Hotz, Y. Keller, Johannes Keustermans, Artiom Kovnatsky, Roei Litman, Jan Reininghaus, Ivan Sipiran, Dirk Smeets, Paul Suetens, Dirk Vandermeulen, Andrei Zaharescu, V. Zobel. SHREC 2011: Robust Feature Detection and Description Benchmark. In H. Laga, T. Schreck, A. Ferreira, A. Godil, I. Pratikakis, and R. Veltkamp (ed.), *Proc. 4th Eurographics Workshop on 3D Object Retrieval (3DOR)*, pp. 71-78, Apr 2011. Llandudno, UK. Eurographics Association. ISBN 978-3-905674-31-6.
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3. Benjamin Bustos, Tomas Skopal. Non-metric Similarity Search Problems in Very Large Collections. In *Proc. 27th IEEE International Conference on Data Engineering (ICDE)*, pp. 1362-1365, Apr 2011. Hannover, Germany. IEEE Press, Piscataway, NJ, USA. ISBN 978-1-4244-8958-9.
4. Jose Saavedra, Benjamin Bustos, Maximilian Scherer, Tobias Schreck. STELA: sketch-based 3D model retrieval using a structure-based local approach. In *Proc. 1st ACM International Conference on Multimedia Retrieval (ICMR)*, pp. article 26, Apr 2011. Trento, Italy. ACM Press, New York, NY, USA. ISBN 978-1-4503-0336-1.
5. Juan Manuel Barrios, Benjamin Bustos. Automatic Weight Selection for Multi-metric Distances. In Alfredo Ferro (ed.), *Proc. 4th International Workshop on Similarity Search and Applications (SISAP)*, pp. 61-68, Jun 2011. Lipari, Italy. ACM Press, New York, NY, USA. ISBN 978-1-4503-0795-6.
6. Juan Manuel Barrios, Benjamin Bustos. P-VCD: A Pivot-Based Approach for Content-Based Video Copy Detection. In *Proc. IEEE International Conference on Multimedia and Expo (ICME)*, Jul 2011. Barcelona, Spain. IEEE Press, Piscataway, NJ, USA. ISBN 978-1-61284-348-3.
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2. Tomas Skopal, Jakub Lokoc, Benjamin Bustos. D-cache: Universal Distance Cache for Metric Access Methods. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 24(5):868-881, May 2012. IEEE Press, Piscataway, NJ, USA. ISSN 1041-4347.
3. Benjamin Bustos, Tobias Schreck, Michael Walter, Juan Manuel Barrios, Matthias Schaefer, Daniel Keim. Improving 3D Similarity Search by Enhancing and Combining 3D Descriptors. *Multimedia Tools and Applications (MTAP)* 58(1):81-108, May 2012. Springer, New York, NY, USA. ISSN 1380-7501.
4. Benjamin Bustos, Sebastián Kreft, Tomas Skopal. Adapting Metric Indexes for Searching in Multi-metric Spaces. *Multimedia Tools and Applications (MTAP)* 58(3):467-496, Jun 2012. Springer, New York, NY, USA. ISSN 1380-7501.
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6. Jose Saavedra, Benjamin Bustos, Tobias Schreck, Maximilian Scherer, Sang Min Yoon. Sketch-based 3D Model Retrieval using Keyshapes for Global and Local Representation. In M. Spagnuolo, M. Bronstein, A. Bronstein, A. Ferreira (ed.), *Proc. 5th Eurographics Workshop on 3D Object Retrieval (3DOR)*, pp. 47-50, May 2012. Cagliari, Italy. Eurographics Association. ISBN 978-3-905674-36-1.
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