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CURRICULUM VITAE
Daniel Carlos Guimarães Pedronette
ASSISTANT PROFESSOR, STATE UNIVERSITY OF SÃO PAULO (UNESP), 35 YEARS

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1.) EDUCATION

Year	Degree	Institution
2012	PhD in Computer Science	Institute of Computing (IC) - UNICAMP[1]
2008	Master's in Computer Science	Institute of Computing (IC) - UNICAMP[1]
2005	Graduation in Computer Science	Inst. of Geosciences and Exact Sciences (IGCE) - UNESP
2000	Technical Course - Informatics	Colégio Técnico de Limeira (COTIL) - UNICAMP[1]

[1] Currently, UNICAMP is the first University ranked in Latin America (https://www.timeshighereducation.com)

2.) PROFESSIONAL EXPERIENCE

- **Position:**   Assistant Professor
  Institution: Institute of Geosciences and Exact Sciences (IGCE) - UNESP
  Period: March/2013 - Current

- **Position:**   Lecturer
  Institution: Faculty of Technology (FT) - UNICAMP
  Period: September/2012 - January/2013

- **Position:**   Lecturer
  Institution: Institute of Geosciences and Exact Sciences (IGCE) - UNESP
  Period: March/2009 - November/2009

- **Position:**   Database Administrator, Software Engineer
  Institution: General Board of Administration (DGA) - UNICAMP
  Period: May/2006 - March/2013

- **Position:**   Software Developer
  Institution: General Board of Administration (DGA) - UNICAMP
  Period: September/2002 - April/2006

3.) SCIENTIFIC RESULTS (15 MOST RELEVANT)

- **Journal Papers:**

  - Daniel Carlos Guimarães Pedronette, Filipe M. F. Gonçalves, Ivan Rizzo Guilherme. Unsupervised Manifold Learning through Reciprocal kNN Graph and Connected Components for Image Retrieval Tasks. *Pattern Recognition*, 75(C):161-174, 2018.
  - Daniel Carlos Guimarães Pedronette and Ricardo da S. Torres. Image re-ranking and rank aggregation based on similarity of ranked lists. *Pattern Recognition*, 46(8):2350-2360, 2013.
  - Daniel Carlos Guimarães Pedronette e Ricardo da S. Torres. Unsupervised Rank Diffusion for Content-Based Image Retrieval. *Neurocomputing*, 260(18): 478-489, 2017.
  - Daniel Carlos Guimarães Pedronette e Ricardo da S. Torres. A correlation graph approach for unsupervised manifold learning in image retrieval tasks. *Neurocomputing*, 208:66-79, 2016.
  - Daniel Carlos Guimarães Pedronette, Jurandy Almeida, and Ricardo da S. Torres. A Scalable Re-Ranking Method for Content-Based Image Retrieval. *Information Sciences*, 265:91-104, 2014.
  - Daniel Carlos Guimarães Pedronette and Ricardo da S. Torres. Exploiting pairwise recommendation and clustering strategies for image re-ranking. *Information Sciences*, 207(0):19-34, 2012.

  - Alexandro Baldassin, Ying Weng, Daniel Carlos Guimarães Pedronette, e Jurandy Almeida. Optimizing an Unsupervised Manifold Learning Algorithm for Manycore Architectures, *Information Sciences*, On-Line, To appear, 2018.

  - Daniel Carlos Guimarães Pedronette, Jurandy Almeida e Ricardo da S. Torres. A graph-based ranked-list model for unsupervised distance learning on shape retrieval. *Pattern Recognition Letters*, 83(3):357-367, 2016.

  - Lucas Pascotti Valem, Daniel Carlos Guimarães Pedronette e Jurandy Almeida. Unsupervised Similarity Learning through Cartesian Product of Ranking References. *Pattern Recognition Letters*, On-Line, To appear, 2018.

  - Daniel Carlos Guimarães Pedronette, Otávio A. B. Penatti, and Ricardo da S. Torres. Unsupervised Manifold Learning Using Reciprocal kNN Graphs in Image Re-Ranking and Rank Aggregation Tasks. *Image and Vision Computing*, 32:120-130, 2014.

- **Conference Papers:**

  - Daniel Carlos Guimarães Pedronette and Ricardo da S. Torres. Unsupervised Manifold Learning By Correlation Graph and Strongly Connected Components for Image Retrieval. *IEEE International Conference on Image Processing (ICIP)*, 2014, Paris. (⋆Best Paper Candidate: 9 finalists from 1219 accepted)

  - Daniel Carlos Guimarães Pedronette, Ricardo da S. Torres. Rank Diffusion for Context-Based Image Retrieval. *ACM International Conf. on Multimedia Retrieval (ICMR)*, 2016, New York.

  - Lucas Pascotti Valem, Daniel Carlos Guimarães Pedronette, Ricardo da S. Torres, Edson Borin, and Jurandy Almeida. Effective, Efficient, and Scalable Unsupervised Distance Learning in Image Retrieval Tasks. *ACM International Conference on Mutltimedia Retrieval (ICMR)*, 2015, Shangai.

  - Daniel Carlos Guimarães Pedronette and Ricardo da S. Torres. Unsupervised Distance Learning By Reciprocal kNN Distance for Image Retrieval. *ACM International Conference on Mutltimedia Retrieval (ICMR)*, 2014, Glasgow.

  - Daniel Carlos Guimarães Pedronette and Ricardo da S. Torres. Exploiting contextual information for rank aggregation. *IEEE International Conference on Image Processing (ICIP)*, pages 97-100, 2011, Bruxels.

4.) Research Grants

- **FAPESP and Microsoft Call:**
  Title: Weakly supervised learning for compressed video analysis on retrieval and classification tasks for visual alert.
  Agency: São Paulo Research Foundation (FAPESP) and Microsoft.
  Coordinator. Accepted, to start.

- **Newton Research Collaboration Program:**
  Large-Scale Active Learning for Visual Retrieval.
  Agency: Royal Academy of Engineering - UK.
  Local Coordinator. Period: 01/12/2015 a 31/01/2017.

- **Young Investigators Award:**
  Title: Re-Ranking and Rank Aggregation Approaches for Image Retrieval Tasks.
  Agency: São Paulo Research Foundation (FAPESP).
  Coordinator. Period: 01/02/2014 - 31/01/2018.

6.) Quantitative Indicators

(Assistant Professor since 2013)

- International Journal Papers: 19 (+3 to appear)
- National and International Conference Papers: 38
- Number of Citatons (Google Scholar): 556 (September/2018)
- Formed Students - Master: 2
- Formed Students - Master (Co-Advisor): 2
- Current Students - Master: 1
- Formed Students - Undergraduate Work: 10
- Current Students - Undergraduate Work: 4

7.) Citations

- **Link - MyCitations from Google Scholar:**
  - http://scholar.google.com.br/citations?user=j7APHdAAAAAJ

- **Link - ResearcherID:**
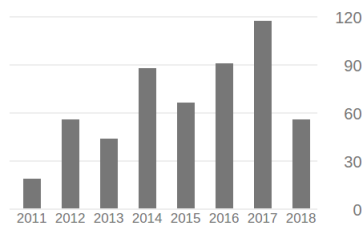 - http://www.researcherid.com/rid/E-7817-2015

Figura 1: Evolution of citations in Google Scholar.

8.) Aditional Information

- **Distinctions and Awards:**
  - **2017:** First Place, National Brazilian Contest of Undergraduate Works (CTIC), Advisor of the student Lucas Pascotti Valem. Brazilian Computer Society (SBC).
  - **2016:** Best Paper Award - SIBGRAPI 2016 (Conference on Graphics, Patterns and Images).
  - **2016:** Best Undergraduate Work - Exact Sciences - UNESP, Advisor of the student Lucas Pascotti Valem.
  - **2014:** Finalist for the Best Paper Award (9 from 1219 accepted papers) - International Conference on Image Processing (ICIP 2014), Institute of Electrical and Electronics Engineers (IEEE).
  - **2013:** Third Place, XXVI National Brazilian Contest of Thesis and Dissertations (CTD), PhD Category, CSBC 2013, Brazilian Computer Society (SBC).
  - **2013:** First Place, Best PhD Thesis of Institute of Computing (IC) - UNICAMP - 2012.
  - **2012:** Second Place, Workshop of Theses and Dissertations (Ph.D. Category), 25th Conference on Graphics, Patterns and Images (SIBGRAPI 2012).

- **Reviewer of International Journals:**
  - IEEE Transactions on Image Processing; IEEE Transactions on Multimedia; IEEE Journal of Selected Topics in Signal Processing; Pattern Recognition; Neurocomputing; Information Processing Letters; Knowledge-Based Systems; Information Processing & Management; ACM Transactions on Intelligent Systems and Technology; Journal of Visual Communication and Image Representation.