ROSANE MINGHIM - SUMMARY CV

Associate Professor - University of São Paulo, Brazil

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✉ **R. Candido A. Botelho 1210, 13563-300**   ♀ **São Carlos - SP, Brazil**

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⚯ https://scholar.google.com/citations?user=TodwpSwAAAAJ&hl=en

🐦 @rminghim

A) EDUCATION

Ph.D. in Computer Studies
University of East Anglia - Norwich, UK

🗓 Feb. 1991 – March 1995

Thesis title: On Sound Support for Visualisation

M.Sc. in Electrical Engineering
UNICAMP - Campinas, Brazil

🗓 Mar. 1986 – Feb 1990 - part time

Theme: Object Modeling via Splines

B.Sc.in Computer Science
University of São Paulo - São Carlos, Brazil

🗓 Mar. 1982 – Dec. 1985

C) ASSIGNMENTS

Department of Computer Science
University of São Paulo

🗓 1986 – Ongoing   ♀ São Carlos

Adjunct Professor
Dalhousie University

🗓 June 2015 – Ongoing   ♀ Canada

In order to take part in advisory committees and examination boards for graduate students

Visiting Scholar
Dalhousie University

🗓 Jan 2015 – Jan 2016   ♀ Canada

Visiting Scholar
Univerisity of Massachussetts Lowell

🗓 July 2001 – April 2002   ♀ USA

B) RECENT CONTRIBUTION HIGHLIGHTS

🏆 **Interactivenn**
In the context of post-graduate work supervised by and co-supervised by biologists at LNBIO(National Laboratory of Biosciences), this tool (www.interactivenn.net) has eased everyday analyses for a large number of biologists and has been employed by thousands of users. The corresponding paper is listed as a highly cited (top 1% in CS) in the Web of Science™ - (September 2017 - current)

🏆 **CellNetVis**
In the same context as the previous contribution, the tool CellNetVis supports the analysis of proteomic networks with a view of cellular components. That tool, also published in BMC Bioinformatics, has been awarded Best Paper in the Conference Biovis'17.

🏆 **Results in Cancer Studies**
Our long term collaboration in Data Science and Visualization for proteomics and metabolomics has resulted in new methodologies and in detection of biomarkers for cancer

🏆 **Best Student Paper ACM IUI'18 Conference**
The paper reports on a very effective user guided document clustering strategy and tool [5]. An extended version with a case in physician discourse analysis is accepted for journal publication.

💓 **Attribute-Radvis**
We have developed a promising strategy for attribute exploration and selection as well as user guided regression for prediction related to categorical values in data sets. Results are compelling and are being finalized for publication

FUNDED PROJECTS - (C) COORDINATOR - (P) PRINCIPAL INVESTIGATOR - (L) COLLABORATOR

1. 2014-2016 Multidimensional multi-scale visual analysis of networked data: Biological and Text data - CNPq (Brazilian Research Counsel) (C)
2. 2012-2016 Challenges in Exploratory Visualization of Multidimensional data: New approaches, scale and applications - FAPESP (São Paulo Research Foundation) (P)
3. 2012-2013 - Treatment of Critical Problems and Innovative Applications of Large Scale Visualization, CNPq (C)
4. 2011-2014 - Image based Information Visualization, CAPES/NUFFIC, in cooperation with researchers in The Netherlands, University of Groningen, co-coordinated with Alexandru Telea (C)
5. 2009-2012 - INCT - Medicine Assisted by Scientific Computing, CNPq (l)
6. 2009 - 2011 - Exploratory Analysis of Multimodal Volumetric Data, CAPES/DAAD, in cooperation with researchers in Germany, Jacobs University Bremen (l)
7. 2007-2009 MultiVis: Multiple mappings of complex high-dimensional , FAPESP(C)
8. 2004-2006 InfoVis 2 - A Repository of Visual Mining and Information Visualization and Sonification Techniques, FAPESP (C)
9. Additional 5 funded projects prior to these

SUPERVISION

1. Three post-docs (2009,2011,2014)
2. Eight concluded doctorates at ICMC, two of those as co-supervisor. Two of those defended in double degree with the University of Groningen, The Netherlands, co-supervised by Prof. Alexandru Telea.
3. Twenty concluded MsC students.
4. Three co-supervisions in Canada, University of Dalhousie (two doctorates, one master), in two co-supervisions in Peru, San Pablo University,
5. Three current doctorate supervisions and two current MsC supervisions. Obs. all my former students are well placed in their careers.

PERSONAL GRANTS

- Personal monthly grant for productivity in research, 2005- ongoing, CNPq
- Personal grants to support overseas research during my two sabbatical years: 1 - UMass Lowell - MA, USA (2001-2002); and 2 - Dalhousie University, Halifax - NS, Canada (2015-2016), FAPESP and CNPq
- Grant to develop my PhD program at University of East Anglia, Norwich, UK, (1991-1995)
- In Brazil, graduate student grants are funded separately from projects. Some grants are given by funding agencies than locally assigned to students. Other grants require a separate project written under instruction and review of the supervisor, and conceded under his or her responsibility. About half of my students were funded by each of these types of funds, except for two that were part-time and employed in separate institutions.

TEACHING

Obs. All courses were taught repeatedly

Undergraduate

1. previous to year 2000: Introductory Computing levels I and II, Data Structures, Algorithms, Human-Computer Interaction, Objected-Oriented Analysis and Design, Computer Graphics, Special Topics in Computer Science.
2. after year 2000: Introductory Computing levels I and II, Introductory Computing for Computational Biology, Objected-Oriented Programming, Computational Visualization, Computing Seminars, Computers and Society, Graphics, Undergraduate Thesis Project

Graduate

Special Topics in Computer Graphics, Computer Graphics, Advanced Seminars in Computer Graphics, Scientific Visualization, Computational Visualization, Pedagogical Practices for Computing, Research Methodology for Visualization and Imaging, Topics in Imaging and Visualization.

RECENT MEMBERSHIP OF COMMITTEES IN EVENTS

1. Organizing Comittees
   - Advanced School in Big Data Analysis, ICMC - USP, 2017 `http://www.cemeai.icmc.usp.br/EABDA/`
   - II Advanced School in Big Data Analysis, ICMC - USP, 2018 `http://www.cemeai.icmc.usp.br/2EABDA/`
2. Program Comittees
   - IEEE Conference on Information Visualization (Infovis)
     years 2018, 2014
   - Eurovis Eurographics Workshop on Visualization
     years 2009, 2012, 2013, 2014 (short papers), 2015, 2016, 2017, 2018
   - IEEE Conference on Visual Analytics Science and Technology (VAST)
     years 2011, 2012, 2013, 2015, 2016, 2017

PUBLICATIONS AND CITATIONS

Obs. Complete list of Publications on my full CV As of December 15th 2018

source: ISI Web of Science
publications: 62
citations: 695
h-index: 14

source: Google Scholar
publications: 144
citations: 2291
h-index: 25