
Anastasia Bezerianos

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Ecole Centrale Paris
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Research Positions

Jan 2009- Assistant Professor at Ecole Centrale Paris in SAP-BusinessObjects Chair
2007-2008 Researcher at National ICT Australia, in the HxI Initiative (Braccetto project)

Education

2001-2007 Ph.D. Department of Computer Science, University of Toronto
Thesis: “Designs for single user, up-close interaction with Wall-sized displays”
Supervisor: Ravin Balakrishnan

1999-2001 M.Sc. Department of Computer Science, University of Toronto.
Thesis: “Using Projection to Accelerate Ray Tracing”
Supervisor: Alejo Hausner

1994-1999 Hon. B.Sc. Department of Informatics, University of Piraeus
Thesis: “Defining and solving timetable scheduling problems using graphical constraint representations”
Supervisor: Themis Panayiotopoulos

Fellowships & Distinctions

2007 SIGGRAPH 2007 - Invited to Highlights from UIST session

2006 UIST 2006 - Best Student Paper Award

1999-2005 University of Toronto Open Fellowship

1999 Graduated top of class in Department of Informatics, University of Piraeus

Research Interests

- Novel interaction design and evaluation
 - Information visualization
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Objective

Design and evaluation of novel interaction and visualization techniques in the context of large visual datasets, like complex social networks, and business intelligence. Interested in such designs for single and multi-user interaction settings, collocated and distributed.

Research Publications

Refereed Journal Papers

- 2010 **Anastasia Bezerianos**, Pierre Dragicevic, Jean-Daniel Fekete, JuHee Bae, Ben Watson (2010). *GeneaQuilts: A System for Exploring Large Genealogies*. In Proceedings of InfoVis '10: IEEE Transactions on Visualization and Computer Graphics, Oct 2010, Salt-Lake City, USA. [26% acceptance rate]
- 2010 **Anastasia Bezerianos**, Fanny Chevalier, Pierre Dragicevic, Niklas Elmqvist and Jean-Daniel Fekete (2010). *GraphDice: A System for Exploring Multivariate Social Networks*. In Proceedings of Eurovis 2010 - Eurographics/IEEE-VGTC Symposium on Visualization, June 2010, Bordeaux, France. [29% acceptance rate]
- 2009 Petra Isenberg, **Anastasia Bezerianos**, Nathalie Henry, Sheelagh Carpendale, and Jean-Daniel Fekete (2009). *CoCoNutTrix: Collaborative Retrofitting for Information Visualization*. In IEEE Computer Graphics & Applications: Special Issue on Collaborative Visualization, 29(5):44-57, September/October 2009.
- 2008 Nathalie Henry, **Anastasia Bezerianos**, Jean-Daniel Fekete (2008). *Improving the Readability of Clustered Social Networks by Node Duplication*. In Proceedings of IEEE InfoVis 2008 - the IEEE Transactions on Visualization and Computer Graphics, vol. 14, no. 6, pages 1317-1324.
- 2005 **Anastasia Bezerianos**, Ravin Balakrishnan (2005). *Canvas Portals: View and Space Management on Large Displays*. In IEEE Computer Graphics & Applications, Special Issue on Applications of Large Displays, 25(4), July/August 2005, pages 34-43.

Refereed Conference Papers

- 2010 Fanny Chevalier, Pierre Dragicevic, **Anastasia Bezerianos**, Jean-Daniel Fekete (2010). *Using Text Animated Transitions to Support Navigation in Document Histories*. In Proceedings of ACM CHI 2010, ACM Conference on Human Factors in Computing Systems (22% acceptance rate).
- 2010 Yann Riche, Nathalie Henry Riche, Petra Isenberg and **Anastasia Bezerianos** (2010). *Hard-To-Used Interfaces Considered Beneficial (Some of the Time)*. In Proceedings of ACM SIGCHI 2010, Extended Abstracts (alt.chi), April 2010.
- 2009 Anthony Collins, **Anastasia Bezerianos**, Gregor McEwan, Markus Rittenbruch, Rainer Wasinger, Judy Kay (2009). *Understanding File Access Mechanisms for Embedded Ubicomp Collaboration Interfaces*. In Proceedings of the 11th international Conference on Ubiquitous Computing. Ubicomp '09. ACM, pages 135-144. (12.4% acceptance rate).
- 2008 **Anastasia Bezerianos**, Gregor McEwan (2008). *Presence disparity in mixed presence collaboration*. In ACM CHI 2008 – Ext. Abstracts, pages 3285-3290.
- 2007 **Anastasia Bezerianos** (2007). *Using alternative views for layout, comparison and context switching tasks in wall displays*. In Proceedings of OzCHI 2007 – the Australasian Computer-Human Interaction Conference, pages 303-310.
- 2006 **Anastasia Bezerianos**, Pierre Dragicevic, Ravin Balakrishnan (2006). *Mnemonic Rendering: An Image-Based Approach for Exposing Hidden Changes in Dynamic*

Displays. In Proceedings of UIST 2006 - the 19th ACM Symposium on User Interface Software and Technology, pages 159-168. **Best Student Paper Award**. (23% acceptance rate).

- 2005 **Anastasia Bezerianos**, Ravin Balakrishnan (2005). *The Vacuum: Facilitating the manipulation of distant objects*. In Proceedings of CHI 2005 ACM Conference on Human Factors in Computing Systems, pages 361-270 (25% acceptance rate).

Thesis

- 2007 *Designs for single user, up-close interaction with Wall-sized displays*. Ph.D. Thesis, Dep. of Computer Science, University of Toronto.
- 2001 *Using Projection to Accelerate Ray Tracing*. M.Sc. Thesis, Dep. of Computer Science, University of Toronto.
- 1999 *Defining and solving timetable scheduling problems using graphical constraint representations*. Hon. Thesis. Department of Informatics, University of Piraeus.

Non-Refereed Publications

- 2004 **Anastasia Bezerianos**, Ravin Balakrishnan (2004). *Interaction and visualization techniques for very large scale high resolution displays*. Technical Report 2004, University of Toronto, DGP-TR-2004-002.

Conference and Workshop Organization and Chairing

- 2010 PacificVis: PC member
- 2009 CoVis 2009: Workshop on Collaborative Visualization on Interactive Surfaces. In conjunction with VisWeek 2009 (Vis, InfoVis, VAST).
- 2009 *ACM CHI Interactivity Co-Chair*, CHI 2009

Conference Presentations

- 2007 OzCHI 2007 - the Australasian Computer-Human Interaction Conference
- 2007 SIGGRAPH 2007 - Highlights from UIST reprise session
- 2006 UIST 2006 - the ACM Symposium on User Interface Software and Technology
- 2005 CHI 2005 - the ACM Conference on Human Factors in Computing Systems

Other Research Community Involvement

- 2010 Treasurer and co-founder of the ACM SICCHI Parisian chapter
- ongoing Paper reviewer *PacificVis* (since 2010)
Paper reviewer *ACM Transactions on Computer-Human Interaction (ToCHI)*

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 Paper reviewer *ACM Transactions on Computer-Human Interaction (ToCHI)*
 Paper reviewer *IEEE InfoVis* (since 2009)
 Paper reviewer *IEEE EuroGraphics* (since 2009)
 Paper reviewer *IEEE CG&A* (since 2007)
 Paper reviewer *IEEE Tabletop* (since 2007)
 Paper reviewer *ACM CSCW* (since 2007)
 Paper reviewer *ACM CHI* (since 2005)
 Paper reviewer *ACM UIST* (since 2005)
- 2005* Student Volunteer *ACM UIST 2005*
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Supervision Experience

- 2010-* Co-supervision of PhD student C. Melo on “Advanced FCA-based Visual Analytics for BI”
- 2010-* Co-supervision of PhD student A. Aroua on “Visualization for supporting decision making, using interactive evolutionary algorithms”
- 2009-* Supervision of PhD student M. Elias on HCIR
- 2009* Supervised MSc student Micheline Elias on OLAP visualization
- 2008* Co-supervising summer research student Paul Sztajer (3 months) on CSCW apps
- 2007* Co-supervised PhD student Nathalie Henry during visit (2months) on graph vis
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Teaching Experience

- 2010* Human Computer Interaction (OSA-IHM) Ecole Centrale Paris
- 2009-* Advanced Web Interfaces (OSI- WebI), Ecole Centrale Paris
- 2009-* Intro to Algorithms & Programming (IS1210-IN11COM), Ecole Centrale Paris
- 2008* Human Computer Interaction (INFO-3315) in University of Sydney
- 2006* Teaching Assistant - CSC104 The Why and How of Computing, U. of Toronto
- 2006* Student in THE500, Teaching in Higher Education, U. of Toronto
- 1999-2001* Teaching Assistant - CSC324 Principles of Prog. Languages, U. of Toronto
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Professional Experience

- 2001-2003* *Network and System administrator* for DGP lab in U. of Toronto
- 1998-1999* *Software designer and analyst* in BYTE.gr