

Emmanuel Pietriga, Ph.D.

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Phone: +33-1-69-15-34-66
Nationality: French
Date of birth: November 30th, 1976
Marital status: married, 2 children

Current Position

Since October
2004

Experienced Research Scientist (Chargé de Recherche), INRIA (Institut National de Recherche en Informatique et en Automatique)

Since Jan. 2007: CR1
Oct. 2004 - Dec. 2006:
CR2

Research team / EPI: **In Situ**

INRIA Saclay - Île-de-France / Laboratoire de Recherche en Informatique (Université Paris-Sud & CNRS)
Orsay, France

Since August 2010: **interim team leader** (*responsable par interim*) of EPI In Situ (*)
January - July 2010: deputy team leader (*responsable permanent*) of EPI In Situ (*)

(*) EPI In Situ: average of 8 faculty members, 3 postdocs, 3 engineers, 6 PhD students

Working Experience

December 2002 -
August 2003

Postdoctorate Fellow, MIT (Massachusetts Institute of Technology) / W3C (World Wide Web Consortium)

Visual transformation of Semantic Web data represented as node-link diagrams

Member of the Semantic Web Advanced Development team, World Wide Web Consortium (W3C) and of the Decentralized Information Group at MIT CSAIL.
Boston, MA, USA

September 2003 -
September 2004

Software Engineer, Nuxeo

Development of Web-based enterprise content management applications (Python, Zope, CPS)
Paris, France

March 1999 -
September 2002

Research Engineer, Xerox Research Centre Europe

Development of a zoomable user interface toolkit and a visual language environment for XML document transformations
CIFRE Ph.D. contract funded by ANRT
Grenoble, France

Education

1999-2002

Ph.D. in Computer Science, INPG (Institut National Polytechnique de Grenoble)

Visual programming languages and environments applied to structured document processing
Xerox Research Centre Europe / INRIA Rhône-Alpes (research team Opéra)
Grenoble, France
Advisors: Vincent Quint and Jean-Yves Vion-Dury

1996-1999

Engineering Degree in Computer Science and Control, ESIA (Ecole Supérieure d'Ingénieurs d'Annecy)

Computer Science, control (automation, electronics), mechanics
Section A2I: Automatique et Informatique Industrielle
Annecy, France

1998-1999

DEA (equivalent to a M.Sc.) in Computer Science, Université de Savoie






Distributed Systems (communicating objects, process algebra)
Internship at Xerox Research Centre Europe
Annecy and Grenoble, France

Short-Term Visits




- December 2010, June 2011 **ALMA (Atacama Large Millimeter/submillimeter Array), ESO (European Southern Observatory)**
Visiting Scientist on issues related to Human-Computer Interaction for the ALMA radio-telescope Chajnantor plateau, Chilean Andes, Chile
- March 2011 **Expanded Very Large Array, NRAO (National Radio Astronomy Observatory)**
Visiting Scientist on issues related to Human-Computer Interaction for the ALMA radio-telescope Socorro, NM, USA
- February 2011 **JAIST (Japan Advanced Institute of Science and Technology)**
Collaboration on an interactive graph visualization project Nomi, Ishikawa, Japan
- November 2010 **SKA (Square Kilometer Array) South Africa**
Visiting Scientist on issues related to Human-Computer Interaction for the MeerKAT radio-telescope Cape Town, South Africa
- December 2009 **ALMA (Atacama Large Millimeter/submillimeter Array) and VLT (Very Large Telescope), ESO (European Southern Observatory)**
Visiting Scientist on issues related to Human-Computer Interaction for the ALMA radio-telescope Chajnantor plateau (ALMA) and Mount Paranal (VLT), Chilean Andes, Chile
- September 2001 - January 2002 **MIT (Massachusetts Institute of Technology) / W3C (World Wide Web Consortium)**
Visiting Scientist - Multi-scale Visualization of Semantic Web data represented as node-link diagrams Boston, MA, USA

Publications

















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 (ACM Digital Library)  IEEE (IEEE Xplore)  (IEEE Computer Society Digital Library)  SpringerLink (Springer Link)  (HAL-INRIA Open Archive)

Refereed Papers in International Journals




- J. Zhao, F. Chevalier, E. Pietriga, R. Balakrishnan, **Exploratory Analysis of Time-series with ChronoLenses**, *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 10 pages, October 2011 **To appear**
- E. Pietriga, O. Bau, C. Appert, **Representation-Independent In-Place Magnification with Sigma Lenses**, *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, Volume 16, Issue 3, pages 455-467, May/June 2010   

Refereed Papers in International Conference Proceedings



- E. Pietriga, S. Huot, M. Nancel, R. Primet, **Rapid Development of User Interfaces on Cluster-Driven Wall Displays with jBricks**, *EICS '11: Proceedings of the 3rd ACM SIGCHI symposium on Engineering interactive computing systems*, pages 185-190, June 2011, Pisa, Italy  
-  M. Nancel, J. Wagner, E. Pietriga, O. Chapuis, W. Mackay, **Mid-air Pan-and-Zoom on Wall-sized Displays**, *CHI '11: Proceedings of the 29th ACM SIGCHI conference on Human Factors in computing systems*, pages 177-186, ACM Press, May 2011, Vancouver, Canada  
- B. Bach, E. Pietriga, I. Liccardi, G. Legostaev, **OntoTrix: A Hybrid Visualization for Populated Ontologies**, *WWW '11: Proceedings of the 20th international conference companion on World wide web*, pages 177-180, ACM Press, March 2011, Hyderabad, India  
- C. Appert, O. Chapuis, E. Pietriga, **High-precision Magnification Lenses**, *CHI '10: Proceedings of the 28th ACM SIGCHI conference on Human Factors in computing systems*, pages 273-282, ACM Press, April 2010, Atlanta, USA  
-  O. Chapuis, J.-B. Labrune, E. Pietriga, **DynaSpot: Speed-Dependent Area Cursor**, *CHI '09: Proceedings of the 27th ACM SIGCHI conference on Human Factors in computing systems*, pages 1391-1400, ACM Press, April 2009, Boston, USA  
- T. Moscovich, F. Chevalier, N. Henry, E. Pietriga, J.-D. Fekete, **Topology-Aware Navigation in Large Networks**, *CHI '09: Proceedings of the 27th ACM SIGCHI conference on Human Factors in computing systems*, pages 2319-2328, ACM Press, April 2009, Boston, USA  
- E. Pietriga, C. Appert, **Sigma Lenses: Focus-Context Transitions Combining Space, Time and Translucence**, *CHI '08: Proceedings of the 26th ACM SIGCHI conference on Human Factors in computing systems*, pages 1343-1352, ACM Press, April 2008, Florence, Italy  

- E. Pietriga, C. Appert, M. Beaudouin-Lafon, **Pointing and Beyond: an Operationalization and Preliminary Evaluation of Multi-scale Searching**, *CHI '07: Proceedings of the 25th ACM SIGCHI conference on Human Factors in computing systems*, pages 1215-1224, ACM Press, April 2007, San Jose, CA, USA   
- E. Pietriga, C. Bizer, D. Karger, R. Lee, **Fresnel: A Browser-Independent Presentation Vocabulary for RDF**, *Lecture Notes in Computer Science (LNCS 4273), Proceedings of the 5th International Semantic Web Conference (ISWC 2006)*, pages 158-171, Springer, November 2006, Athens, GA, USA 
- E. Pietriga, **Semantic Web Data Visualization with Graph Style Sheets**, *Proceedings of the ACM Symposium on Software Visualization (SoftVis'06)*, pages 177-178, ACM Press, September 2006, Brighton, UK   
- S. Cohen-Boulakia, C. Froidevaux, E. Pietriga, **Selecting Biological Data Sources and Tools with XPR, a Path Language for RDF**, *Pacific Symposium on Biocomputing (PSB), Session Semantic Webs for Life Sciences*, pages 116-127, January 2006, Maui, Hawaii, USA  
- E. Pietriga, **A Toolkit for Addressing HCI Issues in Visual Language Environments**, *IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC'05)*, pages 145-152, IEEE Computer Society, September 2005, Dallas, TX, USA   
- J.-Y. Vion-Dury, V. Lux and E. Pietriga, **Experimenting with the Circus language for XML modeling and transformation**, *ACM Symposium on Document Engineering*, pages 82-87, ACM Press, November 2002, Mc Lean (VA), USA   
- E. Pietriga, V. Quint and J.-Y. Vion-Dury, **VXT: A Visual Approach to XML Transformations**, *ACM Symposium on Document Engineering*, pages 1-10, ACM Press, November 2001, Atlanta, USA   
- E. Pietriga and J.-Y. Vion-Dury, **VXT: Visual XML Transformer**, *IEEE Symposium on Human Centric Computing*, pages 404-405, IEEE Computer Society, September 2001, Stresa, Italy   
- J.-Y. Vion-Dury and E. Pietriga, **A Formal Study of a Visual Language for Document Type Definitions**, *IEEE Symposium on Visual Languages and Formal Methods (HCC)*, pages 52-59, IEEE Computer Society, September 2001, Stresa, Italy   





Proceedings Editing

- Christopher Hundhausen, E. Pietriga, P. Diaz, M. B. Rosson, *Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '10)*, 276 pages, September 2010   



Refereed Papers in National Journals

- E. Pietriga, R. Lee, **Langages et outils pour la visualisation et la manipulation de données du Web sémantique**, *Technique et Science Informatiques (TSI), Vol. 28(2), pages 173-197, March 2009, Hermès, Lavoisier*  





Refereed Posters, Demos, Workshop Papers

- B. Bach, G. Legostaev, E. Pietriga, **Visualizing Populated Ontologies with OntoTrix**, *Proceedings of the ISWC 2010 Posters & Demonstrations Track: Collected Abstracts*, pages 85-88, November 2010, Shanghai, China  
- C. Bizer, R. Lee, E. Pietriga, **Fresnel: A Browser-Independent Presentation Vocabulary for RDF**, *Second International Workshop on Interaction Design and the Semantic Web*, November 2005, Galway, Ireland  

Specialized Journals and Magazines (dissemination of scientific knowledge)

- M. Beaudoin-Lafon, E. Pietriga, W. Mackay, S. Huot, M. Nancel, C. Pillias, R. Primet, **131 millions de pixel qui font le mur**, *Plein Sud Spécial Recherche 2010-2011*, pages 140-147, 2011
- E. Pietriga, **Styling RDF Graphs with GSS**, *XML.com*, 3 december 2003  

Other Publications

- M. Nancel, E. Pietriga, M. Beaudouin-Lafon **Precision Pointing for Ultra-High-Resolution Wall Displays**, *INRIA Research Report RR-7624*, May 2011 
- E. Pietriga, **Fresnel Selector Language for RDF (FSL)**, *Semantic Web Interest Group*, 18 November 2005 
- C. Bizer, R. Lee, E. Pietriga, **Fresnel - Display Vocabulary for RDF - User Manual**, *Semantic Web Interest Group*, 30 June 2005 
- E. Pietriga, **Environnements et langages de programmation visuels pour le traitement de documents structurés**, *Institut National Polytechnique de Grenoble (Ph.D. thesis)*, November 2002, Grenoble, France 

Talks

- E. Pietriga, **Making ALMA's Operations Monitoring & Control Graphical User Interfaces Scalable**, *Universidad de Chile*, June 2011, Chile

- E. Pietriga, **Interacting with Wall-sized Displays**, *IT University of Copenhagen*, June 2011, Denmark
- E. Pietriga, **HCI and Information Visualization Research Overview and its application to ALMA**, *National Radio Astronomy Observatory*, March 2011, Socorro, NM, USA
- J. Schwarz, E. Pietriga, M. Schilling, P. Grosbol, **Goodbye to WIMPs: A Scalable Interface for ALMA Operations**, *Astronomical Data Analysis Software and Systems (ADASS 2010)*, November 2010, Boston, USA
- P. Cubaud, E. Pietriga, **HCI and Information Visualization Research: an Overview**, *SKA South Africa*, November 2010, Cape Town, South Africa
- E. Pietriga, **HCI state-of-the-art and what it means for ALMA**, *European Southern Observatory*, March 2010, Garching, Germany
- E. Pietriga, **Visualisation interactive de données massives sur mur d'écran très haute résolution**, *Thales Research & Technology*, November 2009, France
- E. Pietriga, **WILD : une plate-forme pour la visualisation interactive de grandes masses de données scientifiques**, *Séminaire Apple Research and Technology Support (ARTS)*, November 2009, Paris, France
- E. Pietriga, **Visualisation et manipulation de données du Web sémantique**, *INRIA Sophia Antipolis*, October 2007, France
- E. Pietriga, **Semantic Web Technologies and Human-Computer Interaction Techniques applied to Bioinformatics**, *Universidad Politécnica de Valencia*, March 2006, Valencia, Spain
- W.E. Mackay and E. Pietriga, **Project In Situ + Presenting Semantic Web data**, *Xerox Research Centre Europe*, March 2005, Grenoble, France
- J. Kahan, M.-R. Koivunen, E. Pietriga, R. Swick, **Cross-Application Data Interaction: Shared Bookmarks and IsaViz**, *WWW 2003, the 12th World Wide Web Conference (Developer's day)*, May 2003, Budapest, Hungary
- E. Pietriga **IsaViz: a Visual Environment for Browsing and Authoring RDF Models**, *WWW 2002, the 11th World Wide Web Conference (Developer's day)*, May 2002, Hawaii, USA
- E. Pietriga, **Visual Languages and Interactive Architectures Applied to Structured Document Transformations**, *Oregon State University*, September 2000, Corvallis, OR, USA

Funded Projects

- **WebContent - The Semantic Web Framework**, 2006-2009. 19 academic and industrial partners. Funded by the French National Research Agency (ANR), RNTL Plateforme: 58K€/2M€. *Role: principal investigator for partner INRIA/In Situ.*
- **WILD - Wall-sized Interaction with Large Datasets**, 2008-2011. 4 academic partners. Funded by RTRA Digiteo and Région Île-de-France, Domaine d'Intérêt Majeur "Logiciels et systèmes complexes": 429K€. *Role: coordinator/principal investigator.*
- **MLSN - Multi-Level Social Networks**, 2009-2012. 4 academic and industrial partners. Funded by the French National Research Agency (ANR), Programme VERSO: 177K€/738K€. *Role: principal investigator for partner INRIA/In Situ.*
- **HolyRisk - Scientific Uncertainty and Food Risk Regulation**, 2009-2013. 5 academic partners. Funded by the French National Research Agency (ANR), Programme BLANC: 61K€/702K€. *Role: principal investigator for partner INRIA/In Situ.*

Evaluation of Research

Journals

Editor

- Journal of Visual Languages and Computing (JVLC), Elsevier, 2011, Guest Editor, special issue on VL/HCC'10 best papers

Reviewer

- Software: Practice and Experience, Wiley, 2011
- IEEE Transactions on Visualization and Computer Graphics (TVCG), IEEE Computer Society, 2010, 2011
- Computers & Graphics, Elsevier, 2010
- IEEE Software - special issue on End-User Software Engineering, IEEE Computer Society, 2009
- Journal of the American Society for Information Science and Technology (JASIST), Wiley, 2008
- ACM Transactions on Computer-Human Interaction (ToCHI), ACM, 2007
- Data & Knowledge Engineering Journal, Elsevier, 2006
- Journal of Visual Languages and Computing (JVLC), Elsevier, 2006
- International Journal on Universal Access in the Information Society, Springer, 2005

Conferences

Program Committee Chair

- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC'10), September 2010 (co-chair)

Program Committee Member

- 30th ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '12), Associate Chair, May 2012
- 21st International Conference on World Wide Web (WWW '12) - Tutorials, April 2012
- 23ième Conférence Francophone sur l'IHM - Workshop Interagir Avec Des Représentations Formelles, Octobre 2011
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '11), September 2011
- 29th ACM SIGCHI Conference on Human Factors in Computing Systems (CHI '11), Associate Chair, May 2011
- Visual Information Communications International (VINCI '10), September 2010
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '09), September 2009
- Visual Information Communications International (VINCI '09), September 2009
- INTERACT 2009 - 12th IFIP TC13 Conference in Human-Computer Interaction, August 2009
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '08), September 2008
- ACM Symposium on Software Visualization (SoftVis '08), September 2008
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '07), September 2007
- Visual Interactions in Software Artifacts Mini-track in the Software Technology Track of HICSS-40, January 2007
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '06), September 2006
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '05), September 2005
- International Workshop on Multimedia and Web Design, December 2004

Reviewer

- ACM CHI (Human Factors in Computing Systems) 2006 (WIP), 2007 (WIP), 2008 (Papers, Courses, WIP), 2009 (Papers), 2010 (Papers, WIP/SRC)
- ACM UIST (User Interface Software and Technology) 2005, 2007, 2008, 2009, 2011
- ACM CSCW (Computer Supported Cooperative Work) 2010, 2011, 2012
- ACM EICS (Engineering Interactive Computing Systems) 2011
- ACM IUI (Intelligent User Interfaces) 2010
- ACM ITS (Interactive Tabletops and Surfaces) 2011
- GI (Graphics Interface) 2011
- IEEE InfoVis 2009, 2010, 2011, IEEE VAST 2010, 2011, IEEE PacificVis 2009, IEEE Vis 2009
- Interact 2011
- IHM 2005, 2006, 2007, 2008, 2009, 2010

Books

- CSS 2: Pratique du design Web by Raphael Goetter (Eyrolles), June 2005
- Several chapters of Practical RDF by Shelley Powers (O'Reilly), July 2003

Evaluation committees and invited expertise

- Expert reviewer for the New Eurasia Foundation Russian Federation's call Measures to Attract Leading Scientists to Russian Educational Institutions, 2011
- Referee for the PDOC call, ANR (French National Research Agency), 2011
- Expert reviewer for an ongoing European Commission 7th Framework Programme project Strategic Objective 4.2: Intelligent Content and Semantics, 2010, 2011
- Evaluator for the SEE-ERA.NET PLUS Joint Call for European Research Projects, 2010
- Referee for the Marsden Fund, Royal Society of New Zealand, 2009
- Evaluator for European Commission's 7th Framework Programme FP7 ICT Call 3, Strategic Objective 4.2: Intelligent Content and Semantics (50 M€), 2008
- Evaluator for European Commission's 7th Framework Programme FP7 ICT Call 1, Strategic Objective 4.2: Intelligent Content and Semantics (51 M€), 2007
- Participant in the evaluation of a project for research theme MIS (Modélisation, Interaction, Simulation), CPER (Contrat de Projet Etat-Région) for Région Lorraine 2007

PhD Jury Membership

- Shuo-Hsiu Hsu, Conservatoire National des Arts et Métiers, Paris (examiner - 2010)
- Arnaud Blouin, Université d'Angers (inspector - 2009)

Conference Organization

- Graduate Consortium: Expanding end user control in socio-technical systems (in conjunction with VL/HCC '11, funded by NSF), Pittsburgh, PA, USA, September 2011
Panelist and Submission Coordinator
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '10), Madrid, Spain, September

- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '10), Madrid, Spain, September 2010
Program co-chair
- Graduate Consortium: Democratizing Computational Tools (in conjunction with VL/HCC '10, funded by NSF), Madrid, Spain, September 2010
Panelist
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '08), Herrsching am Ammersee, Germany, September 2008
Publicity chair
- IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC '07), Coeur d'Alène, ID, USA, September 2007
Publicity chair

Software Writing and Distribution

- **ZVTM (Zoomable Visual Transformation Machine)** - <http://zvtm.sourceforge.net>
A Java2D-based zoomable user interface toolkit aimed at addressing Human-Computer Interaction issues in visual language environments and other types of advanced structured graphics editors.
 - One of the most popular applications based on ZVTM is ZGRViewer, a graph viewer for AT&T GraphViz/DOT, hosted by the same project.
 - Open-source project (LGPL license) hosted by SourceForge, average of **966 downloads per month** over the last 12 months (total of about 50 571 downloads), not including Maven repository downloads. Cited by **30 research papers**. Numbers collected on 2010-07-21.
- **IsaViz** - <http://www.w3.org/2001/11/IsaViz/>
A visual authoring tool for RDF models represented as node-link diagrams, with support for GSS (Graph Stylesheets) and FSL (Fresnel Selector Language). IsaViz uses ZVTM to render RDF graphs in a multiscale interface.
 - Open-source project (W3C license) hosted by W3C, average number of downloads not available, cited by **75 research papers**, approx. 26 000 results returned by a Google search. Numbers collected on 2010-07-21.
- **JFresnel** - <http://jffresnel.gforge.inria.fr/>
Fresnel is a presentation vocabulary for Semantic Web data designed to be application and representation paradigm independent. JFresnel is a Java library that implements the Fresnel specification for various RDF APIs, such as HP's Jena and Aduna's Sesame.
 - Open-source project (LGPL license) hosted by InriaGforge, total number of 331 downloads, not including Maven repository downloads. Underlying research on Fresnel cited by **70 research papers**. Numbers collected on 2010-07-21.
 - Project with contributions from HP Laboratories Palo Alto, the Simile project at MIT, and Masaryk University.

Teaching / Consulting

- The Fresnel language, Semantic Web data presentation solutions
To four senior consultants and software engineers, 2 days/16 hours, PCO Innovation, November 2008
- Information Visualization
TD Master Pro, 12 hours, Université d'Orsay (Paris XI), January-February 2005
- The Python language, Zope and CPS
To three software engineers, 2 days/16 hours, Cap Gemini Belgium, November 2003

Supervision of Research and Software Development Activities

- **Since August 2010:** interim team leader (*responsable par interim*) of EPI In Situ (*)
- **January 2010 - July 2010:** deputy team leader (*responsable permanent*) of EPI In Situ (*)

(*) EPI In Situ is an INRIA team joint with LRI (Université Paris-Sud and CNRS): average of 8 faculty members, 3 postdocs, 3 engineers, 6 PhD students
- Ph. D. student (co-advisor) - Bourse INRIA CORDI
Collaborative Visualization of Large Web-based Linked Datasets
Starting January 2011 (3 year funding)
- Ph. D. student (co-advisor) - Bourse MENRT
Adaptive Lenses: Content-aware Focus+Context Visualization
Started October 2010 (3 year funding)
- M.Sc. student (Universidad de la República, Uruguay) - Internship at INRIA for International Students
Adaptive Lenses: Content-aware Focus+Context Visualization
April to August 2010
- M.Sc. student (University of Technology Dresden, Germany) - Internship at INRIA for International Students
Visualization of OWL Semantic Web Ontologies with NodeTrix
November 2009 to March 2010
- Software engineer - INRIA Ingénieur Jeune Diplômé
Design and implementation of a ZUJST based multi-scale interface for navigating large digital libraries such as HAL

Design and implementation of a ZVTM-based multi-scale interface for navigating large digital libraries such as HAL-INRIA

Since October 2009

- Software engineer - INRIA SED (Service d'Expérimentation et de Développement)
Adapting the ZVTM/ZUIST toolkit to work on computer clusters driving large wall-sized displays
Since March 2009
- Software engineer - Région Ile-de-France / Digiteo
Administration and development of the WILD visualization platform (wall-sized high-resolution display)
Since March 2009
- Ph. D. student (co-advisor) - Bourse Région Ile-de-France / Digiteo
Collaborative interaction with a high-resolution wall-sized visualization platform
Started October 2008 (3 year funding)
- Software engineer - ANR / RNTL
Development of interaction and information presentation components for the WebContent platform
October 2007 to September 2008
- M.Sc. student (St Petersburg State University, Russia) - Internship at INRIA for International Students
Visualization of OWL Semantic Web Ontology Graphs with Adjacency Matrices
October 2007 to March 2008
- M.Sc. student (St Petersburg State University, Russia) - Internship at INRIA for International Students
Development of a visual editor for OWL-PL ontologies
April to August 2007
- M. Eng. student (Master Pro, Université Orsay, Paris XI)
Improving Human-Computer Interaction in ZGRViewer, a 2.5D Graph Visualization Tool
April to September 2005
- Two M. Eng. students (DESS, Université Joseph Fourier, Grenoble I)
Modeling XML Schema Structural Constraints and Datatypes with Circus' Type System
February to September 2002

Collective Responsibilities

- **Chair** of ACM Local SIGCHI Chapter Paris
Since May 2010
- IEEE VL/HCC, **Steering Committee member**, 2010-2014, **vice-chair** (2010-2011)
- **Member** (Feb 2008 - Feb 2009) then **President** (since March 2009) of INRIA Saclay - Île de France's Commission for Technological Development (CDT: Commission de Développement Technologique)
- **Member** of INRIA's working group on experimental platforms, representing INRIA Saclay
Since October 2008
- **Member** of INRIA's working group on the 2nd generation of code forge
Since March 2010
- **Member** of INRIA's commission nationale des ingénieurs spécialistes
Since June 2009
- **Representative** of INRIA's personnel (représentant des utilisateurs), Digiteo Labs' architectural program
2007-2008
- **Jury member** for INRIA's TR competitive selection process (research support positions, concours externe pour le recrutement d'ingénieurs et de personnels techniques)
2006 (TR4)
- **Member** of INRIA Futurs' local commission evaluating proposals and applications for junior engineer positions (ingénieurs associés)
2005-2007
- **Member** of the IziGFD working group (enabling INRIA personnel to access part of the GFD application)
2005-2006
- **Elected member** of INRIA Futurs' CUR (Comité d'Unité de Recherche)
December 2004 - December 2006

Prizes and Awards

- **Best paper award** at ACM CHI 2011 with Mathieu Nancel, Julie Wagner, Olivier Chapuis and Wendy Mackay for *Mid-air Pan-and-Zoom on Wall-sized Displays*.
- **Honorable mention** (Best paper award nominee) at ACM CHI 2009 with Olivier Chapuis and Jean-Baptiste Labrune for *DynaSpot: Speed-Dependent Area Cursor*.
- **PhD thesis prize (Prix de thèse) INPG** 2004, awarded on May 12th, 2005

Miscellaneous

- Spoken languages : French, English, Spanish (basics)