

Pierre Senellart

Associate prof. in computer science

Databases, Web, machine translation, AI

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French, born 19 June 1981.



Academic career







- June 2008 – Present **Associate professor**, *École nationale supérieure des télécommunications*, Paris, France.
Network and Computer Science department.
- September 2008 – December 2008 **Teaching assistant**, *École polytechnique*, Palaiseau, France.
- February 2008 – May 2008 **Teaching assistant**, *École normale supérieure de Cachan*, Cachan, France.
Labs for a course on databases.
- February 2008 – May 2008 **Post-doctoral researcher**, *Max-Planck-Institut für Informatik*, Saarbrücken, Germany.
Databases and Information Systems department.
- September 2005 – May 2008 **PhD student and teaching assistant**, *Université Paris-Sud & INRIA Futurs*, Orsay, France.
Topic: Understanding the hidden Web. Advisor: Serge Abiteboul. 64hr of teaching a year.
- March 2007 – May 2007 **Visting research student**, *Oxford computing laboratory*, Oxford, United Kingdom.
Topic: data exchange Advisor: Georg Gottlob.
- 2003 – 2005 **Part-time teaching assistant**, *École nationale des ponts et chaussées*, Marne-la-Vallée, France.
C++ course for first-year students (2 semesters, 60 hour each).
- March 2003 – August 2003 **Research intern (master)**, *INRIA Futurs*, Orsay, France.
Topic: Identifying logical websites. Advisor: Serge Abiteboul.
- February 2002 – June 2002 **Research intern**, *Chalmers Tekhniska Högskola*, Göteborg, Sweden.
Topic: automatic verification of multipliers. Advisor: Mary Sheeran.
- June 2001 – July 2001 **Research intern**, *Université catholique de Louvain*, Louvain-la-neuve, Belgium.
Topic: automatic extraction of similar words in a dictionary. Advisor: Vincent Blondel.

Education

- December 2007 **PhD thesis in Computer science**, *Université Paris-Sud*, Orsay, France.
Topic: Understanding the Hidden Web. Mention Très Honorable.
- September 2003 **Magistère (postgraduate diploma) in Fundamental and applied mathematics and Computer science**, *Université Paris-Sud & ENS*, Orsay & Paris, France.
- September 2003 **DEA (M.Sc.) in Computer science**, *Université Paris-Sud*, Orsay, France.
Mention Très Bien (summa cum laude).
- September 2001 **Maîtrise (undergraduate diploma) in Computer science**, *Université Paris-Sud & ENS*, Orsay & Paris, France.
Mention Très Bien (summa cum laude).
- June 2001 **Licence (B.Sc.) in Computer science**, *Université Paris-Sud & ENS*, Orsay & Paris, France.
Mention Très Bien (summa cum laude).
- 2000 – 2005 **École normale supérieure (Paris)**.
Also admitted to Écoles normales supérieures of Lyon and Cachan and to École polytechnique.
- June 1998 **Baccalauréat S (scientific high school diploma)**, *Lycée Mariette*, Boulogne-sur-mer, France.
Mention Très Bien (summa cum laude).

Selected publications

This is only a selection. A full list can be found at <http://pierre.senellart.com/publications/>

-  Michael Benedikt, Evgeny Kharlamov, Dan Olteanu, and Pierre Senellart. Probabilistic XML via Markov chains. *Proceedings of the VLDB Endowment*, 3(1), September 2010. Presented at the VLDB 2010 conference, Singapore.
-  Serge Abiteboul, T-H. Hubert Chan, Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Aggregate queries for discrete and continuous probabilistic XML. In *Proc. ICDT*, Lausanne, Switzerland, March 2010.
-  Alban Galland, Serge Abiteboul, Amélie Marian, and Pierre Senellart. Corroborating information from disagreeing views. In *Proc. WSDM*, pages 1041–1064, New York, USA, February 2010.
-  Georg Gottlob and Pierre Senellart. Schema mapping discovery from data instances. *Journal of the ACM*, 57(2), January 2010.
-  Serge Abiteboul, Benny Kimelfeld, Yehoshua Sagiv, and Pierre Senellart. On the expressiveness of probabilistic XML models. *VLDB Journal*, 18(5):1041–1064, October 2009.
-  Yann Ollivier and Pierre Senellart. Finding related pages using Green measures: An illustration with Wikipedia. In *Proc. AAAI*, pages 1427–1433, Vancouver, Canada, July 2007.

Service to the scientific community

Organization	Organizer of the SIGMOD 2010 programming contest, Submission chair of VLDB 2009
Editorial responsibilities	Information director of the <i>Journal of the ACM</i> (2009–Present)
Program committees	CIKM 2010, ICDE 2010, WWW 2009 & 2010, ECML/PKDD 2008, SIGMOD 2008 & 2009 (repeatability committee), various workshops
Journal refereeing activities	<i>Communications of the ACM</i> , <i>Journal of Computer Science and Systems</i> , <i>VLDB Journal</i> , <i>Transactions on Database Systems</i> , <i>Transactions on Knowledge and Data Engineering</i> , <i>Information Systems</i> , <i>Data and Knowledge Engineering</i> , ...

Awards

- Adviser of Clément Genzmer, winner of the SIGMOD Programming Contest in 2009
- National chemistry olympiad 1998: second prize of the Nord-Pas-de-Calais region

Industrial experience

November 2004 – February 2005	Software author , SYSTRAN S.A., La Défense, France. SYSTRAN Mobile for Pocket PC.
September 2003 – September 2004	R&D engineer , SYSTRAN S.A., La Défense, France. SYSTRAN version 5.
September 2002 – October 2002	Software engineer , <i>Le Robert</i> , Paris, France. Analysis of the dictionary graph and automatic extraction of similar words.

Information technology

Programming languages	C, C++, Java, Perl, Haskell 98	Operating systems	Unix/Linux, Windows, Windows CE, Palm OS
XML technologies	DOM, SAX, DTD, XML Schema, XPath, XSLT, XQuery, XSL-FO	Web	(X)HTML, CSS, JavaScript, PHP, JSP, SVG
DBMS	Oracle, MySQL, PostgreSQL	Miscellaneous	L ^A T _E X, Maple, Oracle, Unicode

Languages

French native language
German proficient
Swedish basics

English fluent
Classical Arabic basics
Ancient Greek high-school level