

Pierre Senellart's Publications

Book

- [AMR⁺12] Serge Abiteboul, Ioana Manolescu, Marie-Christine Rousset, Philippe Rigaux, and Pierre Senellart. *Web Data Management*. Cambridge University Press, New York, USA, January 2012.

Book chapter (peer-reviewed)

- [KS11a] Evgeny Kharlamov and Pierre Senellart. Modeling, querying, and mining uncertain XML data. In Andrea Tagarelli, editor, *XML Data Mining: Models, Methods, and Applications*. IGI Global, November 2011.

Book chapters (without peer review)

- [BS12] Michael Benedikt and Pierre Senellart. Databases. In Edward K. Blum and Alfred V. Aho, editors, *Computer Science. The Hardware, Software and Heart of It*. Springer-Verlag, January 2012.
- [SB03] Pierre Senellart and Vincent D. Blondel. Automatic discovery of similar words. In Michael W. Berry, editor, *Survey of Text Mining: Clustering, Classification and Retrieval*, pages 25–43. Springer-Verlag, August 2003.
- [SB08] Pierre Senellart and Vincent D. Blondel. Automatic discovery of similar words. In Michael W. Berry and Malu Castellanos, editors, *Survey of Text Mining II: Clustering, Classification and Retrieval*, pages 25–44. Springer-Verlag, January 2008.

Journal articles (peer-reviewed)

- [ACK⁺11] Serge Abiteboul, T-H. Hubert Chan, Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Capturing continuous data and answering aggregate queries in probabilistic XML. *ACM Transactions on Database Systems*, 36(4), 2011.
- [AKSS09] Serge Abiteboul, Benny Kimelfeld, Yehoshua Sagiv, and Pierre Senellart. On the expressiveness of probabilistic XML models. *VLDB Journal*, 18(5):1041–1064, October 2009.
- [BGH⁺04] Vincent D. Blondel, Anahí Gajardo, Maureen Heymans, Pierre Senellart, and Paul Van Dooren. A measure of similarity between graph vertices: applications to synonym extraction and Web searching. *SIAM Review*, 46(4):647–666, 2004.
- [BKOS10] Michael Benedikt, Evgeny Kharlamov, Dan Olteanu, and Pierre Senellart. Probabilistic XML via Markov chains. *Proceedings of the VLDB Endowment*, 3(1):770–781, September 2010. Presented at the VLDB 2010 conference, Singapore.
- [GS10] Georg Gottlob and Pierre Senellart. Schema mapping discovery from data instances. *Journal of the ACM*, 57(2), January 2010.

- [NVD⁺11] Benjamin Nguyen, Antoine Vion, François-Xavier Dudouet, Dario Colazzo, Ioana Manolescu, and Pierre Senellart. XML content warehousing: Improving sociological studies of mailing lists and web data. *Bulletin of Sociological Methodology*, 112(1):5–31, October 2011.
- [SAS11b] Fabian M. Suchanek, Serge Abiteboul, and Pierre Senellart. PARIS: Probabilistic alignment of relations, instances, and schema. *Proceedings of the VLDB Endowment*, 5(3):157–168, December 2011. Presented at the VLDB 2012 conference, Istanbul, Turkey.

Journal articles (without peer review)

- [AS10] Talel Abdesslem and Pierre Senellart. Gestion de données dans les réseaux sociaux. *Telecom*, 156:56–58, January 2010.
- [BMS11] Marc Bourreau, François Moreau, and Pierre Senellart. La diversité culturelle dans l'industrie de la musique enregistrée en France (2003-2008). *Publications du Département des études, de la prospective et des statistiques*, 5, October 2011.
- [GHP⁺10] Clément Genzmer, Volker Hudlet, Hyunjung Park, Daniel Schall, and Pierre Senellart. The SIGMOD 2010 programming contest: A distributed query engine. *SIGMOD Record*, 39(2):61–64, June 2010.
- [MAA⁺08] Ioana Manolescu, Loredana Afanasiev, Andrei Arion, Jens-Peter Dittrich, Stefan Manegold, Neoklis Polyzotis, Karl Schnaitter, Pierre Senellart, Spyros Zoupanos, and Dennis Shasha. The repeatability experiment of SIGMOD 2008. *SIGMOD Record*, 37(1):39–45, March 2008.
- [MMA⁺09] Stefan Manegold, Ioana Manolescu, Loredana Afanasiev, Jianlin Feng, Gang Gou, Marios Hadjieleftheriou, Stavros Harizopoulos, Panos Kalnis, Konstantinos Karanasos, Dominique Laurent, Mihai Lupu, Nicola Onose, Christopher Ré, Virginie Sans, Pierre Senellart, Tianyi Wu, and Dennis Shasha. Repeatability & workability evaluation of SIGMOD 2009. *SIGMOD Record*, 38(3):40–43, September 2009.
- [SAG08] Pierre Senellart, Serge Abiteboul, and Rémi Gilleron. Understanding the hidden Web. *ERCIM News*, 72:32–33, January 2008.

Conference articles (peer-reviewed)

- [AAD⁺11] Serge Abiteboul, Yael Amsterdamer, Daniel Deutch, Tova Milo, and Pierre Senellart. Optimal probabilistic generators for XML corpora. In *Proc. BDA*, Rabat, Morocco, October 2011. Conference without formal proceedings.
- [AAD⁺12] Serge Abiteboul, Yael Amsterdamer, Daniel Deutch, Tova Milo, and Pierre Senellart. Finding optimal probabilistic generators for XML collections. In *Proc. ICDT*, Berlin, Germany, March 2012.

- [ACK⁺09] Serge Abiteboul, T-H. Hubert Chan, Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Agrégation de documents XML probabilistes. In *Proc. BDA*, Namur, Belgium, October 2009. Conference without formal proceedings.
- [ACK⁺10] Serge Abiteboul, T-H. Hubert Chan, Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Aggregate queries for discrete and continuous probabilistic XML. In *Proc. ICDT*, pages 50–61, Lausanne, Switzerland, March 2010.
- [ASo6] Serge Abiteboul and Pierre Senellart. Querying and updating probabilistic information in XML. In *Proc. EDBT*, pages 1059–1068, Munich, Germany, March 2006.
- [ASSo5] Mats Attnäs, Pierre Senellart, and Jean Senellart. Integration of SYSTRAN MT systems in an open workflow. In *Proc. MT Summit*, Phuket, Thailand, September 2005.
- [ASV12] Serge Abiteboul, Pierre Senellart, and Victor Vianu. The ERC Webdam on foundations of Web data management. In *Proc. WWW*, Lyon, France, April 2012. European project track.
- [BGS11a] Michael Benedikt, Georg Gottlob, and Pierre Senellart. Determining relevance of accesses at runtime. In *Proc. PODS*, pages 211–222, Athens, Greece, June 2011.
- [DMNSo5a] François-Xavier Dudouet, Ioana Manolescu, Benjamin Nguyen, and Pierre Senellart. XML warehousing meets sociology. In *Proc. IADIS ICWI*, pages 170–174, Lisbon, Portugal, October 2005.
- [GAMS09] Alban Galland, Serge Abiteboul, Amélie Marian, and Pierre Senellart. Corroboration de vues discordantes fondées sur la confiance. In *Proc. BDA*, Namur, Belgium, October 2009. Conference without formal proceedings.
- [GAMS10] Alban Galland, Serge Abiteboul, Amélie Marian, and Pierre Senellart. Corroborating information from disagreeing views. In *Proc. WSDM*, pages 131–140, New York, USA, February 2010.
- [OSo7] 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.
- [SAo7] Pierre Senellart and Serge Abiteboul. On the complexity of managing probabilistic XML data. In *Proc. PODS*, pages 283–292, Beijing, China, June 2007.
- [SAS11a] Fabian M. Suchanek, Serge Abiteboul, and Pierre Senellart. Ontology matching at the instance and schema level. In *Proc. BDA*, Rabat, Morocco, October 2011. Conference without formal proceedings. Also registered as Technical Report RT-0408 (2011), INRIA.
- [Seno5b] Pierre Senellart. Identifying Websites with flow simulation. In *Proc. ICWE*, pages 124–129, Sydney, Australia, July 2005.

- [SGo8] Pierre Senellart and Georg Gottlob. On the complexity of deriving schema mappings from database instances. In *Proc. PODS*, pages 23–32, Vancouver, Canada, June 2008.

Conference articles (without peer review)

- [SSo5] Pierre Senellart and Jean Senellart. SYSTRAN Translation Stylesheets: Machine translation driven by XSLT. In *Proc. XML Conference & Exposition*, Atlanta, USA, November 2005.
- [SVNS11] Fabian M. Suchanek, Aparna Varde, Richi Nayak, and Pierre Senellart. The hidden Web, XML and the semantic Web: Scientific data management perspectives. In *Proc. EDBT*, pages 534–537, Uppsala, Sweden, March 2011. Tutorial.
- [VSNS09] Aparna Varde, Fabian M. Suchanek, Richi Nayak, and Pierre Senellart. Knowledge discovery over the deep Web, semantic Web and XML. In *Proc. DASFAA*, pages 784–788, Brisbane, Australia, April 2009. Tutorial.

Workshop articles (peer-reviewed)

- [AAYM⁺10] Serge Abiteboul, Sihem Amer-Yahia, Amélie Marian, Alban Galland, and Pierre Senellart. Birds of a tag flock together. In *Proc. SSM*, New York, USA, February 2010. Workshop without formal proceedings.
- [BAS11] M. Lamine Ba, Talel Abdesslem, and Pierre Senellart. Towards a version control model with uncertain data. In *Proc. PIKM*, Glasgow, United Kingdom, October 2011.
- [BS02] Vincent D. Blondel and Pierre Senellart. Automatic extraction of synonyms in a dictionary. In *Proc. TMW*, pages 7–13, Arlington, USA, April 2002. Also registered as Technical Report 89 (2001), Université catholique de Louvain, Louvain-la-neuve.
- [KNS10] Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Updating probabilistic XML. In *Proc. Updates in XML*, Lausanne, Switzerland, March 2010.
- [KNS11a] Evgeny Kharlamov, Werner Nutt, and Pierre Senellart. Value joins are expensive over (probabilistic) XML. In *Proc. LID*, pages 41–48, Uppsala, Sweden, March 2011.
- [OS10b] Marilena Oita and Pierre Senellart. Archiving data objects using Web feeds. In *Proc. IWW*, pages 31–41, Vienna, Austria, September 2010.
- [OS11a] Marilena Oita and Pierre Senellart. Deriving dynamics of web pages: A survey. In *Proc. TWAW*, pages 25–32, Hyderabad, India, March 2011.
- [SDM⁺09] Marc Spaniol, Dimitar Denev, Arturas Mazeika, Pierre Senellart, and Gerhard Weikum. Data quality in Web archiving. In *Proc. WICOW*, pages 19–26, Madrid, Spain, April 2009.

- [SMM⁺08] Pierre Senellart, Avin Mittal, Daniel Muschick, Rémi Gilleron, and Marc Tommasi. Automatic wrapper induction from hidden-Web sources with domain knowledge. In *Proc. WIDM*, pages 9–16, Napa, USA, October 2008.

Posters (peer-reviewed)

- [NVD⁺09] Benjamin Nguyen, Antoine Vion, François-Xavier Dudouet, Ioana Manolescu, Dario Colazzo, and Pierre Senellart. The WebStand project. In *Proc. WebSci*, Athens, Greece, March 2009. Poster.
- [VDSV08] Michalis Vazirgiannis, Dimitris Drosos, Pierre Senellart, and Akrivi Vlachou. Web page rank prediction with Markov models. In *Proc. WWW*, pages 1075–1076, Beijing, China, April 2008. Poster.

Demonstrations (peer-reviewed)

- [ABS11] Talel Abdesslem, M. Lamine Ba, and Pierre Senellart. A probabilistic XML merging tool. In *Proc. EDBT*, pages 538–541, Uppsala, Sweden, March 2011. Demonstration.
- [BFSS12] Michael Benedikt, Tim Furche, Andreas Savvides, and Pierre Senellart. ProFoUnd: Program-analysis-based form understanding. In *Proc. WWW*, Lyon, France, April 2012. Demonstration.
- [OS10a] Marilena Oita and Pierre Senellart. Archivage du contenu éphémère du Web à l'aide des flux Web. In *Proc. BDA*, Toulouse, France, October 2010. Conference without formal proceedings. (Demonstration).
- [SS10] Pierre Senellart and Asma Souihli. Un système de gestion de données XML probabilistes. In *Proc. BDA*, Toulouse, France, October 2010. Conference without formal proceedings. (Demonstration).
- [SS11] Pierre Senellart and Asma Souihli. ProApprox: A lightweight approximation query processor over probabilistic trees. In *Proc. SIGMOD*, pages 1295–1298, Athens, Greece, June 2011. Demonstration.

Preprints

- [AAMS11] Serge Abiteboul, Yael Amsterdamer, Tova Milo, and Pierre Senellart. Auto-completion learning for XML, November 2011. Preprint.
- [KS11b] Benny Kimelfeld and Pierre Senellart. Probabilistic XML: Models and complexity, September 2011. Preprint.
- [OS11b] Marilena Oita and Pierre Senellart. FOREST: Feed objects retrieval by enhancing semantics in tag paths, November 2011. Preprint.