

Florian Boudin

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| CONTACT INFORMATION | LINA - Université de Nantes 2 rue de la Houssinière 44322 Nantes, France | +33 2 51 12 59 98 florian.boudin@univ-nantes.fr http://florianboudin.org |
| EMPLOYMENT HISTORY | Associate Professor Université de Nantes, France Assistant Professor Université d'Avignon et des Pays de Vaucluse, France Postdoctoral Fellow Université de Montréal, Canada Research Assistant Université d'Avignon et des Pays de Vaucluse, France | 2011 to present 2010-2011 2009-2010 2006-2009 |
| EDUCATION | Ph.D. in Computer Science Université d'Avignon et des Pays de Vaucluse, France Advisors: Juan-Manuel Torres-Moreno, Marc El-Bèze M.S. in Computer Science Université d'Avignon et des Pays de Vaucluse, France B.S. in Mathematics and Computer Science Université d'Avignon et des Pays de Vaucluse, France University of Birmingham, UK (ERASMUS Programme) | 2006-2008 2004-2006 2000-2004 |
| STUDENTS | Ph.D. Students ➤ Adrien Bougouin (2015) M.S. Students ➤ Rémi Bois (2014; now Ph.D. student at Université de Rennes) | |
| PUBLICATIONS | Journal Papers [1] Adrien Bougouin and Florian Boudin. TopicRank : ordonnancement de sujets pour l'extraction automatique de termes-clés. <i>Traitement Automatique des Langues</i> , 55:1. 2014. [2] Romain Deveaud and Florian Boudin. De quoi parle ce Tweet? Résumer Wikipédia pour contextualiser des microblogs. <i>The Information - Intelligence - Interaction (I3) Journal</i> . 2014. [3] Florian Boudin, Jian-Yun Nie, Joan Bartlett, Roland Grad, Pierre Pluye, and Martin Dawes. Combining classifiers for robust PICO element detection. <i>BMC Medical Informatics and Decision Making</i> , 10:29. 2010. Conference Papers [4] Adrien Bougouin, Florian Boudin, and Béatrice Daille. Keyphrase Annotation with Graph Co-Ranking. <i>International Conference on Computational Linguistics (COLING)</i> . 2016. [5] Adrien Bougouin, Sabine Barreaux, Laurent Romary, Florian Boudin, and Béatrice Daille. TermITH-Eval: a French Standard-Based Resource for Keyphrase Extraction Evaluation. <i>Language Resources and Evaluation Conference (LREC)</i> . 2016. [6] Florian Boudin, Hugo Mougard, and Benoit Favre. Concept-based Summarization using Integer Linear Programming: From Concept Pruning to Multiple Optimal Solutions. <i>Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> . 2015. [7] Ophélie Lacroix, Denis Béchet, and Florian Boudin. Label Pre-annotation for Building Non-projective Dependency Treebanks for French. <i>Conference on Intelligent Text Processing and Computational Linguistics (CICLing)</i> . 2014. | |

- [8] Adrien Bougouin, Florian Boudin, and Béatrice Daille. TopicRank: Graph-Based Topic Ranking for Keyphrase Extraction. *International Joint Conference on Natural Language Processing (IJCNLP)*. 2013.
- [9] Florian Boudin. A Comparison of Centrality Measures for Graph-Based Keyphrase Extraction. *International Joint Conference on Natural Language Processing (IJCNLP)*. 2013.
- [10] Florian Boudin and Emmanuel Morin. Keyphrase Extraction for N-best Reranking in Multi-Sentence Compression. *Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT)*. 2013.
- [11] Florian Boudin, Jian-Yun Nie, and Martin Dawes. Using a Medical Thesaurus to Predict Query Difficulty. *European Conference on Information Retrieval (ECIR)*. 2012.
- [12] Florian Boudin, Stéphane Huet, and Juan-Manuel Torres-Moreno. A Graph-based Approach to Cross-language Multi-document Summarization. *Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*. 2011.
- [13] Florian Boudin, Jian-Yun Nie, and Martin Dawes. Positional Language Models for Clinical Information Retrieval. *Conference on Empirical Methods in Natural Language Processing (EMNLP)*. 2010.
- [14] Florian Boudin, Jian-Yun Nie, and Martin Dawes. Clinical Information Retrieval using Document and PICO Structure. *Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT)*. 2010.
- [15] Florian Boudin, Lixin Shi, and Jian-Yun Nie. Improving Medical Information Retrieval with PICO Element Detection. *European Conference on Information Retrieval (ECIR)*. 2010.
- [16] Florian Boudin, Marc El-Bèze, and Juan-Manuel Torres-Moreno. A Scalable MMR Approach to Sentence Scoring for Multi-Document Update Summarization. *International Conference on Computational Linguistics (COLING)*. 2008.
- [17] Florian Boudin, Juan Torres-Moreno, and Marc El-Bèze. Mixing Statistical and Symbolic Approaches for Chemical Names Recognition. *Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*. 2008.
- [18] Florian Boudin, Juan-Manuel Torres-Moreno, and Patricia Velázquez-Morales. An Efficient Statistical Approach for Automatic Organic Chemistry Summarization. *International Conference on Natural Language Processing (GoTAL)*. 2008.
- [19] Florian Boudin and Juan-Manuel Torres-Moreno. A Cosine Maximization Minimization approach for User Oriented Multi-Document Update Summarization. *Recent Advances in Natural Language Processing (RANLP)*. 2007.
- [20] Florian Boudin and Juan Torres Moreno. NEO-CORTEX: A Performant User-Oriented Multi-Document Summarization System. *Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*. 2007.

Workshop Papers

- [21] Béatrice Daille, Sabine Barreaux, Florian Boudin, Adrien Bougouin, Damien Cram, and Amir Hazem. Indexation d'articles scientifiques : Présentation et résultats du défi fouille de textes DEFT 2016. *Défi Fouille de Textes (DEFT)*. 2016.
- [22] Adrien Bougouin, Florian Boudin, and Béatrice Daille. TopicRank en domaines de spécialité : participation du LINA à DEFT 2016. *Défi Fouille de Textes (DEFT)*. 2016.
- [23] Florian Boudin. Reducing Over-generation Errors for Automatic Keyphrase Extraction using Integer Linear Programming. *Workshop on Novel Computational Approaches to Keyphrase Extraction*. 2015.
- [24] Emmanuel Morin, Amir Hazem, Florian Boudin, and Elizaveta Loginova-Clouet. LINA: Identifying Comparable Documents from Wikipedia. *Eighth Workshop on Building and Using Comparable Corpora*. 2015.

- [25] Romain Deveaud and Florian Boudin. Effective Tweet Contextualization with Hashtags Performance Prediction and Multi-Document Summarization. *INitiative for the Evaluation of XML Retrieval (INEX)*. 2013.
- [26] Romain Deveaud and Florian Boudin. LIA/LINA at the INEX 2012 Tweet Contextualization track. *INitiative for the Evaluation of XML Retrieval (INEX)*. 2012.
- [27] Romain Deveaud, Florian Boudin, and Patrice Bellot. LIA at INEX 2010 Book Track. *INitiative for the Evaluation of XML Retrieval (INEX)*. 2011.
- [28] Florian Boudin, Jian-Yun Nie, and Martin Dawes. Deriving a test collection for clinical information retrieval from systematic reviews. *Data and Text Mining in Biomedical Informatics (DTMBIO)*. 2010.
- [29] Florian Boudin, Marc El-Bèze, and Juan-Manuel Torres-Moreno. The LIA Update Summarization system at TAC-2008. *Text Analysis Conference (TAC)*. 2008.
- [30] Florian Boudin, Benoit Favre, Frederic Béchet, Marc El-Bèze, Laurent Gillard, and Juan-Manuel Torres-Moreno. The LIA-Thales summarization system at DUC-2007. *Document Understanding Conference (DUC)*. 2007.
- [31] B. Favre, F. Béchet, P. Bellot, F. Boudin, M. El-Beze, L. Gillard, G. Lapalme, and J.M. Torres-Moreno. The LIA-Thales summarization system at DUC-2006. *Document Understanding Conference (DUC)*. 2006.

National Conference Papers

- [32] Adrien Bougouin, Florian Boudin, and Béatrice Daille. Modélisation unifiée du document et de son domaine pour une indexation par termes-clés libre et contrôlée. *Traitement Automatique des Langues Naturelles (TALN)*. 2016.
- [33] Adrien Bougouin, Florian Boudin, and Béatrice Daille. Influence des domaines de spécialité dans l'extraction de termes-clés. *Traitement Automatique des Langues Naturelles (TALN)*. 2014.
- [34] Florian Boudin. TALN Archives : une archive numérique francophone des articles de recherche en Traitement Automatique de la Langue. *Traitement Automatique des Langues Naturelles (TALN)*. 2013.
- [35] Nicolas Hernandez and Florian Boudin. Construction d'un large corpus écrit libre annoté morpho-syntaxiquement en français. *Traitement Automatique des Langues Naturelles (TALN)*. 2013.
- [36] Romain Deveaud and Florian Boudin. Contextualisation automatique de Tweets à partir de Wikipédia. *Conférence en Recherche d'Information et Applications (CORIA)*. 2013.
- [37] Florian Boudin and Nicolas Hernandez. Détection et correction automatique d'erreurs d'annotation morpho-syntaxique du French TreeBank. *Traitement Automatique des Langues Naturelles (TALN)*. 2012.
- [38] Stéphane Huet, Florian Boudin, and Juan-Manuel Torres-Moreno. Utilisation d'un score de qualité de traduction pour le résumé multi-document cross-langue. *Traitement Automatique des Langues Naturelles (TALN)*. 2011.
- [39] Romain Deveaud, Florian Boudin, Eric SanJuan, and Patrice Bellot. Correction de césures et enrichissement de requêtes pour la recherche de livres. *Conférence en Recherche d'Information et Applications (CORIA)*. 2011.
- [40] Florian Boudin and Juan-Manuel Torres-Moreno. Résumé automatique multi-document et indépendance de la langue : une première évaluation en français. *Traitement Automatique des Langues Naturelles (TALN)*. 2009.

Book Chapters

- [41] Florian Boudin and Juan-Manuel Torres-Moreno. A Maximization-Minimization Approach for Update Text Summarization. *Current Issues in Linguistic Theory: Recent Advances in Natural Language Processing*. 2009.

Ph.D. Thesis

[42] Florian Boudin. Exploration d'approches statistiques pour le résumé automatique de texte. PhD thesis. Laboratoire Informatique d'Avignon – Université d'Avignon, 2008.

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| FUNDING | TALIAS - LE TAL au service de l'Indexation des Articles Scientifiques 2016 CNRS - PEPS INS2I 2016, 5k€ over one year. Sole PI. |
| | GOLEM - Approche par Optimisation pour l'Extraction de Mots-clés 2015 CNRS - PEPS INS2I/INSMI 2015, 6k€ over one year. Sole PI. |
| SERVICE | Conference Program Chair: RECITAL 2013 Conference PCs: LACL 2012, RECITAL (2010, 2014, 2015, 2016) Conference Reviews: AAAI 2015, NAACL 2016, TALN (2013, 2014, 2015, 2016), JAD'12, COLING 2012, 2016, KDIR (2009, 2010, 2011, 2012), CIKM 2011, RECITAL 2011 Workshop Reviews: BUCC 2015 Journal Reviews: Traitement Automatique des Langues (54.1, 57.1), Information Retrieval, Natural Language Engineering, Information Processing & Management, Journal of Cheminformatics, Language Resources and Evaluation |
| TEACHING | Université de Nantes, France 800h+ Programming, Databases, Machine Learning |
| | Université d'Avignon et des Pays de Vaucluse, France 96h Programming, Business Intelligence |
| | Université de Montréal, Canada 54h Atelier en Informatique |
| | IUT d'Avignon, France 100h Programming, Databases |