

# Mohamed Reda Bouadjenek – Ph.D, Lecturer (Assistant Professor)

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<b>Contact</b>	<b>Address:</b> Deakin University, School of Information Technology <b>Office:</b> KA5.201.W26 <b>Campus:</b> Geelong Waurin Ponds Campus 75 Pigdons Rd, Waurin Ponds VIC 3216, Australia <b>Tel:</b> +61 352 278 380 <b>E-mail:</b> rbouadjenek@gmail.com (Perso)   reda.bouadjenek@deakin.edu.au (Pro) <b>WWW:</b> <a href="https://rbouadjenek.github.io/">https://rbouadjenek.github.io/</a>																		
<b>Interests</b>	Information Retrieval, Biomedical Text Mining, Social Network Analysis, Machine Learning, Deep Learning, Recommender Systems, Databases, Data Quality, and Data Analysis.																		
<b>Education</b>	<b>Deakin University</b> , Geelong, Australia <b>Graduate Certificate</b> of Higher Education for Learning and Teaching (Jun. 2021)  <b>University of Paris-Saclay</b> , Versailles, France <b>Ph.D.</b> , Computer Science (Dec. 2013) <ul style="list-style-type: none"><li>• Supervisors: Mokrane Bouzeghoub and Hakim Hacid</li><li>• Research Field: <i>Information Retrieval and Machine Learning</i></li></ul> <b>University of Paris-Saclay</b> , Versailles, France <b>M.S.</b> , Computer Science (Sep. 2009) <ul style="list-style-type: none"><li>• Supervisors: Mokrane Bouzeghoub</li><li>• Major: <i>Databases and Distributed Information Systems</i></li></ul> <b>University of Sciences and Technology Houari Boumediene</b> , Algiers, Algeria <b>B.S.</b> , Computer Science (Jun. 2008) <ul style="list-style-type: none"><li>• Major: <i>Databases and Information Systems</i></li></ul>																		
<b>Employment</b>	<table><tr><td><b>Deakin University</b>, Geelong, VIC, Australia.<ul style="list-style-type: none"><li>• <i>Lecturer (Assistant Professor)</i>, Applied Artificial Intelligence.</li></ul></td><td><b>Nov. 2019 – Present</b></td></tr><tr><td><b>University of Toronto</b>, Toronto, ON, Canada.<ul style="list-style-type: none"><li>• <i>Research Fellow</i>. Supervisor: Scott Sanner.</li></ul></td><td><b>Nov. 2017 – Oct. 2019</b></td></tr><tr><td><b>The University of Melbourne</b>, Melbourne, VIC, Australia.<ul style="list-style-type: none"><li>• <i>Research Fellow</i>. Supervisor: Karin Verspoor and Justin Zobel.</li></ul></td><td><b>Sep. 2015 – Sep. 2017</b></td></tr><tr><td><b>Oregon State University</b>, Corvallis, OR, USA.<ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Scott Sanner.</li></ul></td><td><b>Jul. 2015 – Aug. 2015</b></td></tr><tr><td><b>INRIA</b>, Montpellier, France.<ul style="list-style-type: none"><li>• <i>Postdoc Researcher</i>. Supervisors: Esther Pacitti and Patrick Valduriez.</li></ul></td><td><b>Jan. 2014 – Jul. 2015</b></td></tr><tr><td><b>UCSB</b>, Santa Barbara, CA, USA.<ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Amr El Abbadi.</li></ul></td><td><b>Nov. 2014 – Dec. 2014</b></td></tr><tr><td><b>NICTA</b>, Canberra, ACT, Australia.<ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Scott Sanner.</li></ul></td><td><b>Aug. 2013 – Dec. 2013</b></td></tr><tr><td><b>Alcatel-Lucent Bell Labs</b>, Nozay, France.<ul style="list-style-type: none"><li>• <i>Research Engineer</i>. Supervisor: Hakim Hacid.</li></ul></td><td><b>Mar. 2010 – Mar. 2013</b></td></tr><tr><td><b>DAVID Lab</b>, <b>University of Paris-Saclay</b>, Versailles, France.<ul style="list-style-type: none"><li>• <i>Master Student Internship</i>. Supervisor: Mokrane Bouzeghoub.</li></ul></td><td><b>Apr. 2009 – Sep. 2009</b></td></tr></table>	<b>Deakin University</b> , Geelong, VIC, Australia. <ul style="list-style-type: none"><li>• <i>Lecturer (Assistant Professor)</i>, Applied Artificial Intelligence.</li></ul>	<b>Nov. 2019 – Present</b>	<b>University of Toronto</b> , Toronto, ON, Canada. <ul style="list-style-type: none"><li>• <i>Research Fellow</i>. Supervisor: Scott Sanner.</li></ul>	<b>Nov. 2017 – Oct. 2019</b>	<b>The University of Melbourne</b> , Melbourne, VIC, Australia. <ul style="list-style-type: none"><li>• <i>Research Fellow</i>. Supervisor: Karin Verspoor and Justin Zobel.</li></ul>	<b>Sep. 2015 – Sep. 2017</b>	<b>Oregon State University</b> , Corvallis, OR, USA. <ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Scott Sanner.</li></ul>	<b>Jul. 2015 – Aug. 2015</b>	<b>INRIA</b> , Montpellier, France. <ul style="list-style-type: none"><li>• <i>Postdoc Researcher</i>. Supervisors: Esther Pacitti and Patrick Valduriez.</li></ul>	<b>Jan. 2014 – Jul. 2015</b>	<b>UCSB</b> , Santa Barbara, CA, USA. <ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Amr El Abbadi.</li></ul>	<b>Nov. 2014 – Dec. 2014</b>	<b>NICTA</b> , Canberra, ACT, Australia. <ul style="list-style-type: none"><li>• <i>Visiting Researcher</i>. Supervisor: Scott Sanner.</li></ul>	<b>Aug. 2013 – Dec. 2013</b>	<b>Alcatel-Lucent Bell Labs</b> , Nozay, France. <ul style="list-style-type: none"><li>• <i>Research Engineer</i>. Supervisor: Hakim Hacid.</li></ul>	<b>Mar. 2010 – Mar. 2013</b>	<b>DAVID Lab</b> , <b>University of Paris-Saclay</b> , Versailles, France. <ul style="list-style-type: none"><li>• <i>Master Student Internship</i>. Supervisor: Mokrane Bouzeghoub.</li></ul>	<b>Apr. 2009 – Sep. 2009</b>
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## Selected Publications

- S. Lyu, A. Rana, S. Sanner, M.R. Bouadjenek, “**A Workflow Analysis of Context-driven Conversational Recommendation**”, In *Proceedings of The Web Conference (WWW)*, 866–877, 2021.
- M. R. Bouadjenek, S. Sanner, Y. Du, “**Relevance- and Interface-driven Clustering for Visual Information Retrieval**”, In *Information Systems*, Vol 94, 101592, 2020.
- S. Gupta, A. Robels-Kelly, M.R. Bouadjenek, “**Feature Extraction Functions for Neural Logic Rule Learning**”, In *Structural, Syntactic, and Statistical Pattern Recognition (S+SSPR)*, 98–107, 2020.
- B. Zhang, S. Sanner, M. R. Bouadjenek, S. Gupta, “**Bayesian Networks for Data Integration in the Absence of Foreign Keys**”, In *IEEE Transactions on Knowledge and Data Engineering*, Vol 32, 803–808, 2020.
- S. Gupta, D. Ko, M.R. Bouadjenek, S. Sanner, A. Chong, P. Austin, M. Koh, “**Evaluation of Machine Learning Algorithms for Predicting Readmission after Acute Myocardial Infarction Using Routinely Collected Clinical Data**”, In *Canadian Journal of Cardiology*, Vol 36, 878–885, 2020.
- M. R. Bouadjenek, J. Zobel, K. Verspoor, “**Automated Assessment of Biological Database Assertions Using the Scientific Literature**”, In *BMC Bioinformatics*, Vol 20, 216, 2019.
- Y. Wang, G. Wu, M.R. Bouadjenek, S. Sanner, “**A Novel Regularizer for Temporally Stable Learning with an Application to Twitter Topic Classification**”, In *The SIAM International Conference on Data Mining (SDM)*, 217–225, 2019.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub, “**Personalized Social Query Expansion Using Social Annotations**”, In *Transactions on Large-Scale Data- and Knowledge-Centered Systems*, Vol 11360, 1–25, 2019.
- G. Wu, M. R. Bouadjenek, S. Sanner, “**One-Class Collaborative Filtering with the Queryable Variational Autoencode**”, In *The 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*, 921–924, 2019.
- M. R. Bouadjenek, K. Verspoor, J. Zobel, “**Automated Detection of Records in Biological Sequence Databases that are Inconsistent with the Literature**”, In *Journal of Biomedical Informatics*, Vol 71, 229–240, 2017.
- M. R. Bouadjenek, S. Sanner, “**Relevance-driven Clustering for Visual Information Retrieval on Twitter**”, In *The 4th ACM Conference on Human Information Interaction & Retrieval (CHIIR)*, 349–353, 2019.
- M. R. Bouadjenek and K. Verspoor, “**Multi-Field Query Expansion is Effective for Biomedical Dataset Retrieval**”, In *Database: The Journal of Biological Databases and Curation (Oxford)*, Vol 2017, bax062, 2017.
- M. R. Bouadjenek, K. Verspoor, J. Zobel, “**Literature Consistency of Bioinformatics Sequence Databases is Effective for Assessing Record Quality**”, In *Database: The Journal of Biological Databases and Curation (Oxford)*, Vol 2017, bax021, 2017.
- Z. Iman, S. Sanner, M. R. Bouadjenek, L. Xie, “**A Longitudinal Study of Topic Classification on Twitter**”, In *The 11th International AAAI Conference on Web and Social Media (ICWSM)*, 552–555, 2017.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub, A. Vakali, “**PerSaDoR: Personalized Social Document Representation for Improving Web Search**”, In *Information Sciences*, Vol 369, 614–633, 2016.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub, “**Social Networks and Information Retrieval, How Are They Converging? A Survey, a Taxonomy and an Analysis of Social Information Retrieval Approaches and Platforms**”, In *Information Systems*, Vol 56, 1–18, 2016.
- M. R. Bouadjenek, S. Sanner, G. Ferraro, “**A Study of Query Reformulation for Patent Prior Art Search with Partial Patent Applications**”, In *The 15th International Conference on Artificial Intelligence and Law (ICAIL)*, 23–32, 2015.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub, and A. Vakali, “**Using Social Annotations to Enhance Document Representation for Personalized Search**”, In *The 36th International ACM SIGIR conference on Research and development in information retrieval (SIGIR)*, 1049–1052, 2013.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub, “**SoPRA: A New Social Personalized Ranking Function for Improving Web Search**”, In *The 36th International ACM SIGIR conference on Research and development in information retrieval (SIGIR)*, 861–864, 2013.

## Languages

- **English:** Fluent, **French:** Native, **Arabic:** Native.