

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

Contact	Address: Deakin University, School of Information Technology Office: KA5.201.W26 Campus: Geelong Waurin Ponds Campus 75 Pigdons Rd, Waurin Ponds VIC 3216, Australia Tel: +61 352 278 380 E-mail: rbouadjenek@gmail.com (Perso) reda.bouadjenek@deakin.edu.au (Pro) WWW: https://rbouadjenek.github.io/																		
Citizenship	Algerian Citizen; French Citizen; Canadian Permanent Resident; Australian Permanent Resident.																		
Interests	Information Retrieval, Biomedical Text Mining, Social Network Analysis, Machine Learning, Deep Learning, Recommender Systems, Databases, Data Quality, and Data Analysis.																		
Education	<p>Deakin University, Geelong, Australia Graduate Certificate of Higher Education for Learning and Teaching (Jun. 2021)</p> <p>University of Paris-Saclay, Versailles, France Ph.D., Computer Science (Dec. 2013) • Supervisors: Mokrane Bouzeghoub and Hakim Hacid • Research Field: <i>Information Retrieval and Machine Learning</i></p> <p>University of Paris-Saclay, Versailles, France M.S., Computer Science (Sep. 2009) • Supervisors: Mokrane Bouzeghoub • Major: <i>Databases and Distributed Information Systems</i></p> <p>University of Sciences and Technology Houari Boumediene, Algiers, Algeria B.S., Computer Science (Jun. 2008) • Major: <i>Databases and Information Systems</i></p>																		
Employment	<table><tr><td>Deakin University, Geelong, VIC, Australia. • <i>Lecturer (Assistant Professor)</i>, Applied Artificial Intelligence.</td><td>Nov. 2019 – Present</td></tr><tr><td>University of Toronto, Toronto, ON, Canada. • <i>Research Fellow</i>. Supervisor: Scott Santer.</td><td>Nov. 2017 – Oct. 2019</td></tr><tr><td>The University of Melbourne, Melbourne, VIC, Australia. • <i>Research Fellow</i>. Supervisor: Karin Verspoor and Justin Zobel.</td><td>Sep. 2015 – Sep. 2017</td></tr><tr><td>Oregon State University, Corvallis, OR, USA. • <i>Visiting Researcher</i>. Supervisor: Scott Santer.</td><td>Jul. 2015 – Aug. 2015</td></tr><tr><td>INRIA, Montpellier, France. • <i>Postdoc Researcher</i>. Supervisors: Esther Pacitti and Patrick Valduriez.</td><td>Jan. 2014 – Jul. 2015</td></tr><tr><td>UCSB, Santa Barbara, CA, USA. • <i>Visiting Researcher</i>. Supervisor: Amr El Abbadi.</td><td>Nov. 2014 – Dec. 2014</td></tr><tr><td>NICTA, Canberra, ACT, Australia. • <i>Visiting Researcher</i>. Supervisor: Scott Santer.</td><td>Aug. 2013 – Dec. 2013</td></tr><tr><td>Alcatel-Lucent Bell Labs, Nozay, France. • <i>Research Engineer</i>. Supervisor: Hakim Hacid.</td><td>Mar. 2010 – Mar. 2013</td></tr><tr><td>DAVID Lab, University of Paris-Saclay, Versailles, France. • <i>Master Student Internship</i>. Supervisor: Mokrane Bouzeghoub.</td><td>Apr. 2009 – Sep. 2009</td></tr></table>	Deakin University , Geelong, VIC, Australia. • <i>Lecturer (Assistant Professor)</i> , Applied Artificial Intelligence.	Nov. 2019 – Present	University of Toronto , Toronto, ON, Canada. • <i>Research Fellow</i> . Supervisor: Scott Santer.	Nov. 2017 – Oct. 2019	The University of Melbourne , Melbourne, VIC, Australia. • <i>Research Fellow</i> . Supervisor: Karin Verspoor and Justin Zobel.	Sep. 2015 – Sep. 2017	Oregon State University , Corvallis, OR, USA. • <i>Visiting Researcher</i> . Supervisor: Scott Santer.	Jul. 2015 – Aug. 2015	INRIA , Montpellier, France. • <i>Postdoc Researcher</i> . Supervisors: Esther Pacitti and Patrick Valduriez.	Jan. 2014 – Jul. 2015	UCSB , Santa Barbara, CA, USA. • <i>Visiting Researcher</i> . Supervisor: Amr El Abbadi.	Nov. 2014 – Dec. 2014	NICTA , Canberra, ACT, Australia. • <i>Visiting Researcher</i> . Supervisor: Scott Santer.	Aug. 2013 – Dec. 2013	Alcatel-Lucent Bell Labs , Nozay, France. • <i>Research Engineer</i> . Supervisor: Hakim Hacid.	Mar. 2010 – Mar. 2013	DAVID Lab , University of Paris-Saclay , Versailles, France. • <i>Master Student Internship</i> . Supervisor: Mokrane Bouzeghoub.	Apr. 2009 – Sep. 2009
Deakin University , Geelong, VIC, Australia. • <i>Lecturer (Assistant Professor)</i> , Applied Artificial Intelligence.	Nov. 2019 – Present																		
University of Toronto , Toronto, ON, Canada. • <i>Research Fellow</i> . Supervisor: Scott Santer.	Nov. 2017 – Oct. 2019																		
The University of Melbourne , Melbourne, VIC, Australia. • <i>Research Fellow</i> . Supervisor: Karin Verspoor and Justin Zobel.	Sep. 2015 – Sep. 2017																		
Oregon State University , Corvallis, OR, USA. • <i>Visiting Researcher</i> . Supervisor: Scott Santer.	Jul. 2015 – Aug. 2015																		
INRIA , Montpellier, France. • <i>Postdoc Researcher</i> . Supervisors: Esther Pacitti and Patrick Valduriez.	Jan. 2014 – Jul. 2015																		
UCSB , Santa Barbara, CA, USA. • <i>Visiting Researcher</i> . Supervisor: Amr El Abbadi.	Nov. 2014 – Dec. 2014																		
NICTA , Canberra, ACT, Australia. • <i>Visiting Researcher</i> . Supervisor: Scott Santer.	Aug. 2013 – Dec. 2013																		
Alcatel-Lucent Bell Labs , Nozay, France. • <i>Research Engineer</i> . Supervisor: Hakim Hacid.	Mar. 2010 – Mar. 2013																		
DAVID Lab , University of Paris-Saclay , Versailles, France. • <i>Master Student Internship</i> . Supervisor: Mokrane Bouzeghoub.	Apr. 2009 – Sep. 2009																		

**External
Grant
Funding**

- **Co-PI, Defence Science and Technology: AI for Decision Making Initiative (2021).**
Title: *Utilizing Extractive-Abstractive Summarization for Understanding the Narrative of Social Media Users from Multimodal Data* (AUD\$20K).

**Selected
Publications**

- Z. Gao, T. Shen, Z. Mai, M.R. Bouadjenek, I. Waller, A. Anderson, R. Bodkin, and S. Sanner. **Mitigating the Filter Bubble while Maintaining Relevance: Targeted Diversification with VAE-based Recommender Systems.** In *The 45th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR)*, XXX-XXX, 2022.
- 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, 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, “**Learning Biological Sequence Types Using the Literature**”, In *The Proceedings of the 26th ACM Conference on Information and Knowledge Management (CIKM)*, 1991–1994, 2017.
- 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*, Volume 71, 229–240, 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.

References

- **Prof. Scott Sanner**, University of Toronto: ssanner@mie.utoronto.ca
- **Prof. Karin Verspoor**, RMIT University: karin.verspoor@rmit.edu.au