

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

Contact

Address: Deakin University, School of Information Technology
Office: KA3.250
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/>

Interests

Information Retrieval, Biomedical Text Mining, Social Network Analysis, Machine Learning, Deep Learning, Recommender Systems, Databases, Data Quality, Data Analysis and Bioinformatics.

Education

University of Paris-Saclay, Versailles, France
Ph.D., Computer Science (Dec. 2013)
• Supervisors: Mokrane Bouzeghoub and Hakim Hacid
• Research Field: *Information Retrieval and Machine Learning*

University of Paris-Saclay, Versailles, France
M.S., Computer Science (Sep. 2009)
• Supervisors: Mokrane Bouzeghoub
• Major: *Databases and Distributed Information Systems*

University of Sciences and Technology Houari Boumediene, Algiers, Algeria
B.S., Computer Science (Jun. 2008)
• Major: *Databases and Information Systems*

Employment

| | |
|--|------------------------------|
| 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 Sanner. | 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 Sanner. | 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 Sanner. | 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 |

Selected Publications

- M. R. Bouadjenek, S. Sanner, Y. Du, “**Relevance- and Interface-driven Clustering for Visual Information Retrieval**”, In *Information Systems*, Vol 94, 101592, 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.
- 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.
- M. R. Bouadjenek, H. Hacid, M. Bouzeghoub. “**LAICOS: An Open Source Platform for Personalized Social Web Search**”, In *The 19th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 1446-1449, 2013.

Languages

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