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

Contact

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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.	**Nov. 2019 – Present**

- *Lecturer (Assistant Professor)*, Applied Artificial Intelligence.

University of Toronto, Toronto, ON, Canada.	**Nov. 2017 – Oct. 2019**

- *Research Fellow.* Supervisor: Scott Sanner.

The University of Melbourne, Melbourne, VIC, Australia.	**Sep. 2015 – Sep. 2017**

- *Research Fellow.* Supervisor: Karin Verspoor and Justin Zobel.

Oregon State University, Corvallis, OR, USA.	**Jul. 2015 – Aug. 2015**

- *Visiting Researcher.* Supervisor: Scott Sanner.

INRIA, Montpellier, France.	**Jan. 2014 – Jul. 2015**

- *Postdoc Researcher.* Supervisors: Esther Pacitti and Patrick Valduriez.

UCSB, Santa Barbara, CA, USA.	**Nov. 2014 – Dec. 2014**

- *Visiting Researcher.* Supervisor: Amr El Abbadi.

NICTA, Canberra, ACT, Australia.	**Aug. 2013 – Dec. 2013**

- *Visiting Researcher.* Supervisor: Scott Sanner.

Alcatel-Lucent Bell Labs, Nozay, France.	**Mar. 2010 – Mar. 2013**

- *Research Engineer.* Supervisor: Hakim Hacid.

DAVID Lab, University of Paris-Saclay, Versailles, France.	**Apr. 2009 – Sep. 2009**

- *Master Student Internship.* Supervisor: Mokrane Bouzeghoub.

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.