



Name : Soumaya Chaffar
Department : College of Computer and Cyber Sciences
Job Title : Associate Professor
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“Dr. Soumaya Chaffar is an Associate Professor in Artificial Intelligence at the University of Prince Mugrin. She earned her PhD in Computer Science from the University of Montreal in 2009. Following her doctorate, she conducted postdoctoral research on sentiment analysis at the University of Ottawa and Nuance Communications. Her research excellence has been recognized with prestigious grants from NSERC (Natural Sciences and Engineering Research Council of Canada) and FQRNT (Quebec Fund for Research on Nature and Technologies).”

Throughout her academic career, Dr. Chaffar has taught computer science courses at universities across Saudi Arabia, including Prince Sultan University, and in Canada, including McGill University. She has authored approximately twenty research papers published in top journals, books, and international conference proceedings. Her current research interests include Large Language Models, Generative AI, Natural Language Processing and sentiment analysis.”

Qualification :

- Ph.D. in Computer Science, University of Montreal, Canada, 2009
- M.S. in Computer Science, University of Montreal, Canada, 2006
- B.Sc. in Computer Science in Management, Higher institute of Management, Tunisia, 2001

Academic Experience:

- University of Prince Muqrin, Associate Professor, 2023 – Now, Full Time
- Bois-de-Boulogne College, Computer Science Professor, 2020 – 2023, Full Time
- McGill University, Computer science Lecturer, 2022, Full Time
- CEGEP de la Gaspesie et des iles, Computer science Professor, 2018 – 2020, Full Time
- Prince Sultan University, Assistant Professor, 2015 – 2018, Full Time
- Champlain College, Computer Science Professor, 2014 – 2015, Full Time
- University of Carthage, Computer Science Lecturer, 2001 – 2002, Full Time

Non-Academic Experience:

- Bois-de-Boulogne College, Principal researcher, and coordinator, 2020 – 2023, Part Time
- Nuance Communications, Inc., Postdoc Research Engineer, 2011 – 2013, Full Time
- University of Ottawa, Postdoctoral Researcher, 2010 – 2011, Full Time
- University of Montreal, Lab Co-administrator, 2005 – 2011

Research Interest :

- Large Language Models (LLM)
- Generative AI
- Natural Language Processing AI

Publications :

- Ferwana, I., Chaffar, S., Belhaouari, S. (submitted in 2022) Pruning and Neural Architectures Redesigning for Deep Neural Networks Compression in Mobiles – A Review. Handbook of Research on Integrating Machine Learning into HPC-Based Simulations and Analytics.
- Elsayed, H., Chaffar, S., Belhaouari, S. & Raissouli, H. (2020). A Two-Level Deep Learning Approach for Emotion Recognition in Arabic News Headlines. International Journal of Computers and Applications (IJCA). DOI: 10.1080/1206212X.2020.1851501
- Park, Y. E., Chaffar, S., Kim, M. S., & Ko, H. Y. (2017). Predicting Arab Consumers' Preferences on the Korean Contents Distribution. Journal of Distribution Science, 15, 33-40.
- Chaffar, S., Inkpen, D. (2017). Using a Generic Text-based Approach for Emotion Prediction. International Journal of computing and information science.

Other Accreditation:

- Members of the College Council, C3S, UPM
- rack Chair in the Third International Conference of Smart Systems and Emerging Technologies (SMARTTECH 2024)
- Member of the Program committee of Generative AI and Large Language Models 2023” (GA-LLM2023)”