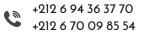
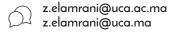


Zouhair ELAMRANI ABOU ELASSAD University Professor - Data Scientist







> PROFILE

Zouhair Elamrani Abou Elassad is a university professor within the department of computer science at the National School of Applied Sciences of Safi (ENSA Safi, Cadi Ayyad University, Morocco). He holds a PhD degree in computer sciences on his work on Artificial Intelligence and Intelligent Transportation Systems.

Zouhair has been a project manager in charge of a variety of IT projects with special emphasis on Artificial Intelligence-based applications. He has pioneered and launched independent research projects; and has established a solid linkage with both public and industry sectors. His main research interests include, but are not limited to, Artificial Intelligence, Machine Learning, Intelligent Environments, IoT and Data Science-related subjects.

He is the author of many international publications and acts as a reviewer of different international journals and conferences.

> CAREER SUMMARY

2021 - Ongoing	O University Professor - National School of Applied Sciences, Cadi Ayyad University Safi - Morocco
2018 - 2021	Ph.D. in Data Science at the Cadi ayyad University, Marrakesh Supervision: Prof. Hajar Mousannif
	Thesis Subject: Real-time Road Crash Prediction Through AI-based Driving Behavior Analysis
2016 - 2021	IT Engineer at the Cadi Ayyad University Marrakesh - Morocco
2014 - 2016	Junior Project Manager at "The House Of Geeks" Startup at Agadir - Morocco
2014	O National School of Applied Sciences of Marrakech IT Engineer State Engineer

> SCIENTIFIC PUBLICATIONS

Ç	Zouhair Elamrani Abou Elassad, Mohammed Ameksa, Dauha Elamrani Abou Elassad, Hajar Mousannif, (2023).
	"Efficient Fusion Decision System for Predicting Road Crash Events: A Comparative Simulator Study for Imbalance Class
	Handling". Transportation Research Record Journal. DOI: https://doi.org/10.1177/03611981231192985 - TR Impact
	Factor: 1.9.

Zouhair Elamrani Abou Elassad, Mohammed Ameksa, Dauha Elamrani Abou Elassad, Hajar Mousannif, (2023). "Machine Learning Prediction of Weather-Induced Road Crash Events for Experienced and Novice Drivers: Insights from a Driving Simulator Study". Proceedings of the. 8th International Conference on Business Intelligence, Istanbul, Turkey. DOI: https://doi.org/10.1007/978-3-031-37872-0_5.

Soukaina EL FEROUALI, Zouhair Elamrani Abou Elassad, Abdelmounaîm ABDALI, (2023). "Does gender affect the identification of road crash occurrences? An Overview and a comparative study". International Journal of Computer Engineering and Data Science. DOI: https://www.ijceds.com/ijceds/article/view/58.

Mohammed Ameksa, Hajar Mousannif, Hassan Al Moatassime, Zouhair Elamrani Abou Elassad, (2022). "Crash Prediction using Ensemble Methods". Proceedings of the 2nd International Conference on Big Data, Modelling and Machine Learning BML - Kenitra, Morocco. DOI: https://doi.org/10.5220/0010731200003101.

Mohammed Ameksa, Hajar Mousannif, Hassan Al Moatassime, Zouhair Elamrani Abou Elassad, (2020). "Toward Flexible Data Collection of Driving Behaviour". Proceedings of the The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Turkey. DOI: https://doi.org/10.5194/isprs-archives-XLIV-4-W3-2020-33-2020.

Zouhair Elamrani Abou Elassad, Hajar Mousannif, Hassan Al Moatassime, (2020). "A real-time crash prediction fusion framework: An imbalance-aware strategy for collision avoidance systems". Transportation Research Part C: Emerging Technologies (TRC). Vol 118. DOI: https://doi.org/10.1016/j.trc.2020.102708 - TR Impact Factor: 8.3.

Zouhair Elamrani Abou Elassad., Hajar Mousannif, Hassan Al Moatassime, (2020). "A proactive decision support system for predicting traffic crash events: A critical analysis of imbalanced class distribution". Knowledge-Based Systems (KNOSYS). Vol 205. DOI: https://doi.org/10.1016/j.knosys.2020.106314 - TR Impact Factor: 8.8.

Zouhair Elamrani Abou Elassad, Hajar Mousannif, Hassan Al Moatassime, (2020). "The application of machine learning techniques for driving behavior analysis: A conceptual framework and a systematic literature review". Engineering Applications of Artificial Intelligence (EAAI). Vol 87. DOI: https://doi.org/10.1016/j.engappai.2019.103312 -TR Impact Factor: 8. Zouhair Elamrani Abou Elassad, Hajar Mousannif, Hassan Al Moatassime, (2020). "Class-imbalanced crash prediction based on real-time traffic and weather data: A driving simulator study". Traffic Injury Prevention (TIP). Vol 21. DOI: https://doi.org/10.1080/15389588.2020.1723794 - TR Impact Factor: 2.2. Zouhair Elamrani Abou Elassad, Hajar Mousannif, Hassan Al Moatassime (2020). "Towards Analyzing Crash Events for Novice Drivers under Reduced-Visibility Settings: A Simulator Study", in: Proceedings of the 3rd International Conference on Networking, Information Systems & Security (NISS2020). ACM, Marrakech. DOI: https://doi.org/10.1145/3386723.3387849 Mohammed Ameksa, Hajar Mousannif, Hassan Al Moatassime and Zouhair Elamrani Abou Elassad, (2020). "Toward Flexible Data Collection of Driving Behaviour". The 5th International Conference on Smart City Applications, Turkey, pp 33-43. DOI: https://doi.org/10.5194/isprs-archives-XLIV-4-W3-2020-33-2020. Zouhair Elamrani Abou Elassad and Hajar Mousannif (2018), "Understanding driving behavior: measurement, modeling and analysis", in Proceeding of Advanced Intelligent Systems for Sustainable Development (AI2SD2018), Tangier, Springer. DOI: https://doi.org/10.1007/978-3-030-11928-7_4 > REVIEWER IN Analytic Methods in Accident Research (Elsevier) IEEE Internet of Things (IEEE) Artificial Intelligence Review (Springer) Journal of Ambient Intelligence and Humanized Computing (Springer) Expert Systems with Applications (Elsevier) Engineering Applications of Artificial Intelligence (Elsevier) Journal of Supercomputing (Springer) International Journal of Ad Hoc and Ubiquitous Computing (InderScience) Journal of King Saud University - Computer and Information Sciences (Elsevier) International Journal of Pavement Research and Technology (Springer) Transportation Safety and Environment (Oxford Academic) > PEDAGOGY & TEACHING 2021 - Ongoing: National School of Applied Sciences of Safi, Cadi Ayyad University, Morocco Modules taught: Mahine Learning - Deep Learning - Big Data - Data Mining - R Programming - Python Programming - Database & Information systems - Java Programming - Advanced Java Programming 2018 - 2021: Faculty of Sciences & Technology, Cadi Ayyad University, Marrakesh, Morocco Modules taught: Mahine Learning - Deep Learning 2018 - 2021 : Faculty of Sciences & Technology, Cadi Ayyad University, Marrakesh, Morocco Modules taught: Web development (HTML, CSS, JavaScript, PHP, MySQL) - ReactJS 2019-2021: Faculty of Sciences & Technology, Hassan First University, Settat, Morocco Modules taught: Web development (HTML, CSS, JavaScript, PHP, MySQL) - ReactJS In 2019, Guest for a research stay at Riga Technical University (RTU) Riga, Latvia > CERTIFICATES & AWARDS 2020/2021: Elsevier Recognized reviewer 2019: Finalist of the 14th edition of the national competition for innovation, research-development and technology

> RESEARCH PROJECTS & GRANTS

The Application of Artificial Intelligence in Agriculture: The making of the first 100% Moroccan intelligent robot "AL-KHAWARIZMI PROGRAM GRANT"

Enhancing Road safety with Big Data and Intelligent cooperative systems": Ministry of transportation CADI AYYAD UNIVERSITY - CNRST GRANT

> OUTREACH AND COMMUNICATIONS ACTIVITIES

Scientific Committee Member of "The 10th International Conference on Wireless Networks and Mobile Communications 2023", Istanbul, Turkey.

Scientific Committee Member of "The 7th International Symposium on Intercloud and IoT", Rome, Italie (2021).

Scientific Committee Member of "The Makerspace Workshop on Distributed and High Performance Computing and Robotics", Marrakech, Maroc (2020).

Scientific Committee Member of "The International Conference on Decision Aid Sciences and Applications (DASA 2020)", Zallaq, Bahreïn.

: Read, Spoken, Written

: Good Knowledge

> LANGUAGES

Arabic : Mother Tongue | English French : Read, Spoken, Written | Spanish

> HOBBIES









Zouhair Elamrani Abou Elassad