

Curriculum Vitæ



A. PERSONAL INFORMATION

- **Last Name:** Chergui
- **First Name:** Wahid
- **Date of Birth:** July 22, 1974
- **Place of Birth:** Kouba, Algiers, Algeria
- **Nationality:** Algerian
- **Marital Status:** Married, three children
- **Professional Address:** Department of Computer Science, Faculty of Sciences and Technology, Abbes Laghrour University, Khenchela 4000, Algeria
- **Current Position:** Lecturer and Researcher
- **Specialty:** Computer Science
- **Academic Rank:** Associate Professor Class "B" (Maître de Conférences Classe "B")
- **Affiliated Laboratory:** ICOSI Laboratory (Knowledge Engineering and Computer Security), University of Khenchela
- **Phone Number:** 06 68 86 42 00
- **Email Address:** chergui.wahid@univ-khenchela.dz

A.1 Academic Path and Degrees

June 1992: Baccalaureate, 1st November High School, Guelma, Algeria.

- **Option:** Nature and Life Sciences.
- **Honors:** Fairly Good (Assez Bien).

June 1997: State Engineer from Badji Mokhtar University - Annaba, Algeria.

- **Specialty:** Computer Science.
- **Option:** Information Systems.
- **Title:** "Design and implementation of an information system for the management of the Guelma province budget".
- **Supervisor:** Dr. Babes Malika.
- **Honors:** Good.

July 2009: Magister from the University Center of Khenchela, INI Doctoral School, Algeria.

- **Specialty:** Computer Science.
- **Option:** Information and Knowledge System (SIC).
- **Title:** "Audio Database Indexing Using Self-Organizing Maps (SOM) Based on an Ontology".
- **Thesis Director:** Prof. Bahi Halima.
- **Location:** University of Annaba.
- **Honors:** Good.

October 2020: PhD in Computer Science from the University of Batna 2, Algeria.

- **Specialty:** Information and Knowledge Systems.
- **Title:** "Development of a Framework for the acquisition and transfer of tacit knowledge in the medical field".
- **Thesis Director:** Dr. Samir Zidat.
- **Honors:** Very Honorable.
- **Location:** ICOSI (Knowledge Engineering and Computer Security), University of Khenchela, Algeria.

A.2 Language Skills

- Arabic: Native language
- French: Full professional proficiency
- English: Professional proficiency

A.4 Professional Background

A.4.1 Current Positions

- **Since December 2009:** Assistant Professor at the University of Khenchela.
- **Since September 2013:** Research Associate at the ICOSI Laboratory (Knowledge Engineering and Computer Security), University of Khenchela.
- **Since October 2020:** PhD in Computer Science, Specialty: Information and Knowledge Systems.
- **Since August 2020:** Head of the Computer Science Department/Stream.

A.4.2 Former Positions

- **From April 2006 to December 2009:** Design Engineer at SONELGAZ, Khenchela.
- **From December 2002 to March 2006:** State Engineer in Computer Science at the Youth Information and Animation Center (CIAJ), Khenchela.
- **From September 1997 to February 2000:** State Engineer in Computer Science at the Office of Real Estate Promotion and Management (OPGI), Khenchela.

A. Pedagogical Contributions

B.1 Undergraduate Teaching

- Since my recruitment in December 2009 at the Computer Science Department of the University of Khenchela, I have participated in various theoretical and practical teaching assignments, mainly in L2, L3, and M1.

B.1.1 Head of Subject or Module

1. Methods for Artificial Intelligence (M1 AI). In progress.
2. Web Application Development (L2 Computer Science). In progress.
3. Information Systems (L2 Computer Science).
4. Databases (L2 Computer Science).
5. Information Systems Modeling Tools (L3 Computer Science).
6. Unix Programming (L3 Computer Science).

B.2 Supervision

- The topics I have proposed are mainly related to my areas of interest, particularly knowledge representation and management.

B.2.1 Master 2 Supervisions

- **Laouar Ramzi:** Building an ontology for the acquisition of tacit knowledge. Abbes Laghrour University - Khenchela. Defended on 24/06/2013.
- **Lotfi Messaoudi and Nabil Djeridi:** Construction of a Domain Ontology (Example case: the transport domain). Abbes Laghrour University - Khenchela. Defended on 23/06/2014.
- **Abdesselem Abdellah and Hemidi Ala Eddine:** Knowledge mapping for Knowledge Transfer. Abbes Laghrour University - Khenchela. Defended on 18/06/2017.
- **Salmi Zakariya and Ghouaizi Adel:** Ontological model for representing knowledge. Abbes Laghrour University - Khenchela. Defended on 24/06/2018.
- **Gasmi Aicha and Lakhzoum Amira:** An approach for the extraction of tacit knowledge from video files. Abbes Laghrour University - Khenchela. Defended on 01/07/2019.
- **Kadjouf Zakaria and Hoggas Yahia:** Conceptualization of medical knowledge using Bayesian networks. Abbes Laghrour University - Khenchela. Defended on 15/07/2021.
- **Khelalfa Malak and Allouche Sara Malek:** Design and realization of a decision support system for medical diagnosis. Abbes Laghrour University - Khenchela. Defended on 21/06/2023.
- **Goudjil Mohamed-Islem:** Timetable management by Constraint programming. Abbes Laghrour University - Khenchela. Defended on 19/06/2025.
- **Bourabha Kamel:** Vehicle Plate Identification with Machine Learning. Abbes Laghrour University - Khenchela. Defended on 19/06/2025.
- **Hachemi Nazim Islem:** Design and Implementation of a Decision Support System for Medical Diagnosis. Abbes Laghrour University - Khenchela. Defended on 19/06/2025.
- **Chehat Rima:** Comparative Study of DQN, Double DQN, and Dueling DQN with Parameter Sharing for Adaptive Traffic Signal Control in Urban Multi-Intersection Environments. Defended on 11/06/2026.

B.2.3 Bachelor Supervisions

- **Chorfi Bouthaina, Nesraoui Oulfa, and Bekai Assala:** "Design and realization of a web application for the management of social works". Abbes Laghrour University - Khenchela, June 2025.
- **Boutobba Firouze, Khadraoui Sajda, and Trad Malak:** "Design and realization of a web application for mail management". Abbes Laghrour University - Khenchela, June 2025.
- **Guenis Wissal, Hafdaoui Malak, and Saidi Rayène:** "Design and realization of a web application for the management of common resources at the University of Khenchela". Abbes Laghrour University - Khenchela, June 2025.
- **Hoggas Azzeddine and Boughdiri Kheireddine:** "Creation of a dynamic website for the Faculty of Sciences and Technology". Abbes Laghrour University - Khenchela, June 2015.
- **Zarwal Hanan and Bougandoura Leyla:** "Realization of an intranet platform for managing the timetable of the SET faculty". Abbes Laghrour University - Khenchela, June 2014.
- **Bouguernizen Amal and Houari Yasmine:** "Realization of an Intranet Platform for Managing Real Estate Transactions". Abbes Laghrour University Khenchela, June 2014.
- **Rayene Rahabi:** "Maintenance of a computer network". Abbes Laghrour University - Khenchela, June 2013.
- **Sara Kellil:** "Design and realization of a dynamic website for managing a medical office". Abbes Laghrour University - Khenchela, June 2013.
- **Hadjer Bakhouché and Wafa Bouzaher:** "Billing management at the Telecom level". Abbes Laghrour University, Khenchela, June 2012.
- **Yasser Gasmi:** "Design and realization of an information system for schooling management". Abbes Laghrour University, Khenchela, June 2012.

- **Maghni Cherif, Bouzekri Nawel, and Saidi Soumia:** "Realization of an Information System for Monitoring and Access Control to the Database at SONELGAZ -- KHENCHELA". Abbès Laghrou University, Khenchela, June 2012.
- **Sana Melouah and Mouad Trid:** "Development of a real estate asset management system". University Center of Khenchela, June 2011.

B.3 Administrative Responsibilities and Tasks

B.3.1 Administrative Responsibilities

- **From November 2013 to March 2019:** Vice-Dean in charge of studies and student-related issues, Faculty of Sciences and Technology, University of Khenchela.
- **From January 2026 to present:** Vice-Dean in charge of studies and student-related issues, Faculty of Sciences and Technology, University of Khenchela.

C. Scientific Contributions

C.1 International Communications

- **Halima Bahi, Wahid Chergui.** "L'utilisation d'une ontologie pour la classification des appels téléphoniques", Proceedings of the 3rd Francophone Day on Ontologies (JFO'09), Poitiers, France, December 2009.
- **W. Chergui, S. Zidat, F. Marir,** "An approach to the acquisition of tacit knowledge based on an ontological model", J. King Saud Univ.-Comput. Inf. Sci. (2020), <https://doi.org/10.1016/j.jksuci.2018.09.012>
- **Chergui, W., Lehis, S., Bekhouche, A., Belgroun, B., Boussalem, M.** (2026). A structurally interpretable Hybrid Multi-Head TD3 framework for stable and adaptive traffic signal control. Mathematical Modelling of Engineering Problems, Vol. 13, No. 3, pp. 453-471. <https://doi.org/10.18280/mmep.130301>
- **Lehis, S., Siam, A., Moumen, H., Chergui, W., Souidi, M.E.H., Bekhouche, A.** (2025). Multi-Head DDPG for pursuit-evasion with interpretable behavioral decomposition. Ingénierie des Systèmes d'Information, Vol. 30, No. 12, pp. 3117-3130. <https://doi.org/10.18280/isi.301204>

C.2 CNEPRU Research Projects

- **From January 2016:** Member of the National CNEPRU Project (C00L07UN 4001201 50001) entitled: "Modeling, Formal Specification and Execution of Business Processes (MSFEPM)" (duration: 4 years).
- **From January 2020:** Member of the PRFU Project (C00L07UN400120200001) entitled: "Integration of formal methods for the development of embedded systems and multi-agent systems" (duration: 4 years).

C.3 Scientific Animations

- **Organizing Committee Member:** DAIS'2026: 1st International Conference on Data Analytics and Intelligent Systems. University of Khenchela. 2026.
- **Organizing Committee Member:** AIA'24: 2nd Study Days on Artificial Intelligence and its Applications. University of Khenchela. 2024.

- **Organizing Committee Member:** AIA'22: 1st Study Days on Artificial Intelligence and its Applications. University of Khenchela. 2022.
- **Organizing Committee Member:** CIMA'2017: International Symposium on Materials and their Applications. University of Khenchela. 2017.
- **Organizing Committee Member:** CACPM3C-1'2015: 1st Algerian Congress on Characterization, Properties and Modeling of Composite Materials. University of Khenchela. 2015.
- **Organizing Committee Member:** CICMA'2014: 1st International Congress on Composites and Advanced Materials. University of Khenchela. 2014.
- **Organizing Committee Member:** JNIAK'2012: National Days on Computer Science and its Applications. University of Khenchela. 2012.
- **Session Chair:** AIA'24: 2nd Study Days on Artificial Intelligence and its Applications. University of Khenchela. 2024.
- **Session Chair:** AIA'22: 1st Study Days on Artificial Intelligence and its Applications. University of Khenchela. 2022.
- **Organizing Chairman:** PAIS'2016: 2nd International Conference on Pattern Analysis and Intelligent Systems. University of Khenchela. 2016.
- **President:** General Secretariat of the PhD Entrance Exam. University of Khenchela. 2023.
- **Member:** General Secretariat of the PhD Entrance Exam. University of Khenchela. 2025.
- **Scientific Committee Member:** CIMAESP 2016: The 1st edition of the international symposium CIMAESP "Modernization and Electronic Administration in Public Service", Khenchela, Algeria, May 17-19, 2016.
- **Scientific Committee Member:** Member of the Scientific Council of the Faculty of Sciences and Technology, Abbes Laghrour University, Khenchela 4000 Algeria from 2016 to 2019.
- **Scientific Committee Member:** Member of the scientific committee of the Computer Science department, Faculty of Sciences and Technology, Abbes Laghrour University, Khenchela 4000 Algeria, since 2025.