

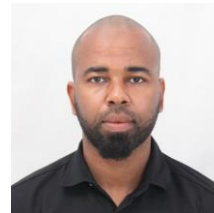
# LOTFI BEGHDADI

## Automotive & Industrial Technical Expert

+213 660 00 73 60 | beghdadi.lotfi@hotmail.fr | Algiers, Algeria | Available for relocation to Qatar

### PERSONAL INFORMATION

**Date of Birth:** August 23, 1988  
**Nationality:** Algerian  
**Marital Status:** Married  
**Availability:** Immediately available — Open to relocation to Qatar  
**Driving License:** Yes



### PROFESSIONAL SUMMARY

Seasoned Automotive and Industrial Technical Expert with over 11 years of hands-on experience in vehicle inspection, damage assessment, technical control, and expert appraisal. Spent 8 years as a certified expert at the Algerian Society for Automotive Expertise and Technical Inspection (S.A.E- EXACT), and since 2023 operates as an independent (liberal) expert covering automotive and industrial expertise. Holds a Ph.D. in Mechanical Engineering, providing deep technical and analytical rigor. Seeking to contribute expertise to Qatar's rapidly expanding automotive, transportation, and industrial sectors.

### CORE COMPETENCIES

Vehicle Damage Assessment	Technical Inspection & Control	Automotive Expert Appraisal
Industrial Technical Expertise	Accident & Claims Analysis	Insurance Expert Reports
Mechanical Fault Diagnosis	Automotive Standards & Norms	Report Writing & Documentation
Numerical Simulation (FEA/CFD)	COMSOL / MATLAB / Fortran	Welding technique

### PROFESSIONAL EXPERIENCE

<b>Independent Automotive &amp; Industrial Expert (Liberal)</b>	<b>2023 – Present</b>
---	-----------------------

Self-Employed — Algeria

- Provide independent automotive technical expertise for private clients, insurance companies, and legal proceedings.
- Conduct damage assessment, accident reconstruction, and valuation reports for passenger and commercial vehicles.
- Deliver industrial technical expertise covering mechanical systems and equipment.
- Produce official expert reports compliant with national regulatory standards.
- Manage full expert assignments from site inspection to final report delivery.

<b>Automotive Technical Expert</b>	<b>Jan 2015 – Sep 2022 (8 years)</b>
------------------------------------	--------------------------------------

Algerian Society for Automotive Expertise and Technical Inspection (S.A.E- EXACT) — Algeria

- Performed comprehensive technical vehicle inspections and periodic roadworthiness control across a wide range of vehicle types.
- Assessed accident damage and produced detailed technical expert reports for insurance companies and judicial authorities.
- Evaluated vehicle condition, identified mechanical faults and safety deficiencies.

- Ensured compliance with Algerian automotive technical standards and Ministry of Transport regulations.
- Contributed to quality improvement procedures within the inspection workflow.
- Maintained expert certification and up-to-date technical knowledge across vehicle categories.

<b>Training – Automotive Technology &amp; Technical Control</b>	<b>2014 (2 months)</b>
---	------------------------

National Office for the Development and Promotion of Continuing Education (ONAFES) — Rouiba, Algeria

- Completed specialized professional training in automotive technology and vehicle technical control methodology.

<b>Senior Research Fellow</b>	<b>June 2023 – Present</b>
-------------------------------	----------------------------

Research Center in Industrial Technologies (CRTI) — Algeria

- Conduct applied research in Friction Stir Welding (FSW) and Additive Manufacturing (AM) with industrial applications.
- Publish in peer-reviewed international journals and present at international conferences.
- Apply numerical simulation methods to industrial engineering problems.

## EDUCATION

<b>Ph.D. in Mechanical Engineering</b>	<b>2018</b>
--	-------------

University of Tahri Mohammed, Bechar, Algeria

- Specialization in heat transfer, fluid mechanics, and advanced numerical methods.
- Research on unstructured grid numerical methods for engineering applications.

<b>Master's Degree in Mechanical Engineering</b>	<b>2011</b>
--	-------------

University of Bechar, Algeria

<b>Bachelor's Degree in Mechanical Engineering</b>	<b>2009</b>
--	-------------

University of Bechar, Algeria

## TECHNICAL SKILLS & LANGUAGES

<b>Software &amp; Tools</b> <ul style="list-style-type: none"> <li>• COMSOL Multiphysics</li> <li>• MATLAB</li> <li>• Fortran (scientific computing)</li> <li>• FEA / CFD Numerical Simulation</li> </ul>	<b>Languages</b> <ul style="list-style-type: none"> <li>• Arabic — Native proficiency</li> <li>• French — Fluent</li> <li>• English — Good working knowledge</li> </ul>
---	---

## SELECTED RESEARCH PUBLICATIONS

- Beghdadi, L. et al. (2026). Multi-objective optimization of FSW parameters for Mg-Al dissimilar joints. The International Journal of Advanced Manufacturing Technology.
- Beghdadi, L. et al. (2025). A review of recent advances in friction stir welding technologies. The International Journal of Advanced Manufacturing Technology.
- Boukraa, M., Chekifi, T., Adjel, S., Beghdadi, L. et al. (2025). Friction stir welding: simulation and optimization techniques. Welding International, 39(8), 539-558.
- Beghdadi, L. & Belkacem, A. (2016). Numerical Method on Unstructured Grid for Heat Transfer and Fluid Flow. International Journal of Advanced Applications in Fluids Mechanics, Vol. 19, No. 3.