

Curriculum vitae

Dr. Abdelkader SAIDI

Associate Professor

Head of the Electrical Engineering Department

Department of Electrical Engineering (GE)

Faculty of Science and Technology (SET)

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PERSONAL INFORMATION

Situation: Married

Address: Cité 700 logts N ° 581 Khenchela 40000

Date of Birth: October 9, 1977, Khenchela

Nationality: Algerian

SCIENTIFIC IDENTIFIERS

ORCID: <https://orcid.org/0000-0002-9062-7215>

Google Scholar: <https://scholar.google.com/citations?user=6bi4wkcAAAAJ>

ResearchGate: <https://www.researchgate.net/profile/Abdelkader-Saidi>

Web of Science (ResearcherID): PSL-4364-2026

Scopus ID: 58045751300

ACADEMIC PROFILE

Lecturer and researcher in electrical engineering specializing in renewable energies, electrical system control, and embedded systems.

Proven experience in academic management, scientific supervision, and the development of intelligent solutions for embedded systems.

RESEARCH AREAS

- Photovoltaic Generator Systems, Solar Panels
- Advanced MPPT Techniques
- Static Converters for Renewable Energies
- Embedded Systems Applied to Renewable Energies

PROFESSIONAL EXPERIENCE AND RESPONSIBILITIES

Depuis 23 Février 2026: Head of the Electrical Engineering Department

2014- 2026: Lecturer and Researcher at Abbes Laghrour University, Khenchela

2025- 2026: Member of the Scientific Committee, Electrical Engineering Department, Abbés Laghrour University, Khenchela

2025- 2026: (Extended): Head of the Automation Bachelor's Degree Specialization, Electrical Engineering Department, Abbés Laghrour University, Khenchela.

2022- 2025: Head of the Automation Bachelor's Degree Specialization, Industrial Engineering Department, Abbés Laghrour University, Khenchela.

2018- 2019: Deputy Head of the Industrial Engineering Department, in charge of the Graduation Post at Abbés Laghrour University, Khenchela.

2016- 2018: Deputy Head of the Industrial Engineering Department, in charge of Pedagogy at Abbés Laghrour University, Khenchela.

2015- 2018: Member of the Scientific Committee, Industrial Engineering Department, at Abbés Laghrour University, Khenchela.

2011- 2014: Medical Equipment Maintenance Engineer at the Directorate of Health and Population (DSP), Tebessa.

2012- 2014: adjunct professor at Larbi Tebessi University, Tebessa.

2011- 2012: adjunct professor at Abbés Laghrour University, Khenchela.

2006- 2008: (2.5 years) of experience at Société Ciment (SCT), Tebessa, as an Electrical Engineer.

ACADEMIC BACKGROUND

2015- 2025: PhD in Electrical Engineering, specializing in Renewable Energy, University of Batna.

2016-2017: Senior Technician in Computer Science, Computer Systems Maintenance, Anoual National Center, Tebessa.

2006-2010: Master's Degree in Electrical Engineering, specializing in Electrical Machine Control, Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.

1996-2002: State Engineer (5 years), specializing in Electrical Machines, Larbi Ben M'hidi University, Oum El Bouaghi, Algeria.

1995-1996: Bachelor's Degree in Electrical Engineering, Salah Djebaili Technical School, Khenchela.

INTERNATIONAL MOBILITY AND INTERNSHIPS

Advanced training and research internship (15 days) related to my doctoral thesis (laboratory in Sharjah, United Arab Emirates):

2017- 2018

2018- 2019

2019- 2020

2022- 2023

2024- 2025: Evènement (07 jours) Conférence International Springer (Italie).

SCIENTIFIC QUALIFICATIONS AND EXPERTISE

- 2024:** Member of the organizing committee, National Conference (SSEAM'24), at Abbes Laghrour University, Khenchela, Algeria.
- 2023:** Member of the organizing committee, National Conference (ICMSA'23), at Abbes Laghrour University, Khenchela, Algeria.
- 2022:** Member of the organizing committee, National Conference (MSE'22), at Abbes Laghrour University, Khenchela, Algeria.
- 2022:** Certificate of Participation, National Conference on Materials (MSE'22), 1st Edition, Controlling the charging battery using a DC-DC Buck converter in the solar system based on an embedded system, June 28-29, 2020, at Abbes Laghrour University, Khenchela, Algeria.
- 2021:** Certificate of Participation, International Conference on Materials (MSE'21), 1st Edition, MPPT tracking algorithm based on the disturbance and Observation method, November 17-18, 2021, at Abbes Laghrour University, Khenchela, Algeria.
- 2020:** Certificate of Participation, International Pluridisciplinary PhD Meeting (IPPM'20), 1st Edition, February 23-26, 2020, at Hama Lakhdar University - El-Oued, Algeria
- 2019:** Certificate of Attendance, AAF American Algerian Foundation Summer, at El Arbi ben Mehidi Batna2 University, Algeria.

SCIENTIFIC PUBLICATIONS

Indexed publications available at:

Scopus

Web of Science

Google Scholar

ORCID

- Saidi, A. (2025). Smart Standalone System for Real-Time Solar Data Logging and Wireless Weather Parameter Transmission. *International Journal of Electrical Engineering and Computer Science*, 7, 261-266.
- Saidi, A. (2025). A Computational Framework for Autonomous Photovoltaic Monitoring Using Matrix and Tensor Analysis. *International Journal of Electrical Engineering and Computer Science*, 7, 286-294.
- Saidi, A., Kouzou, A., Ghenai, C., & Boutabba, T. (2024). Autonomous solar-powered IoT gateway for real-time environmental data acquisition and transmission. *Vol. 9*, 29-38.

- Saidi, A., Boutabba, T., Mekhilef, S., Lanani, A., & Ghenai, C. (2024). IoT Gateway Powered by Renewable Energy for Cloud Connectivity and Real-Time Environmental Monitoring. *WSEAS Transactions on Communications*, 23, 96-106.
- Lanani, A., Djamai, D., Beddiaf, A., Saidi, A., & Abboudi, A. (2024). Photovoltaic system faults detection using fractional multiresolution signal decomposition. *Electrical Engineering & Electromechanics*, (4), 48-54.
- Saidi, A., Azoui, B., Mekhilef, S., Ghenai, C., & Benhadda, N. (2024, November). Enhancing Stand-Along Solar Systems with Embedded Systems: Integration of Buck and Boost Converters. In *International Conference on Electrical Engineering and Control Applications* (pp. 286-299). Singapore: Springer Nature Singapore.
- Saidi, A., Azoui, B., Ghenai, C., & Lekmine, F. (2022). Design and conception of platform that allows to connect different solar panels and loads through a DC-DC buck converter.

SYNTHESE DE L'ACTIVITE D'ENSEIGNEMENT

Modules	Level / Specialty	Charge
Etat de l'art Génie Electrique	Licence (L2) GE : Electrotechnique, Automatique, Télécommunication	Course
Mesure Electrique et Electronique	Licence (L2) GE : Electrotechnique, Automatique, Télécommunication	Course
Onde & Vibration	Licence (L2) GE : Electrotechnique, Automatique, Télécommunication	PW
Architecture des Système Automatique	Licence (L2) Automatique	Course
Conception et réalisation des circuits imprimés	Licence (L3) Electrotechnique	Project PFE
Théorie de Champ	Licence (L3) Electrotechnique	Course, TD
Actionneur	Licence (L3) Automatique	Course, TD, PW
Norme et Certificat	Licence (L3) Automatique	Course
Anglais & Automatise	Licence (L3) Automatique	Course
Electricité & Magnétisme	Ingénieur (1er Année) Génie des procédés, Génie Civil, Génie Mécanique	Cours
Informatique Industriel	Master (M1) Commande Electrique	Cours
Système a Evénement Discret	Master (M2) Informatique Industriel (Automatique)	Cours, TD

SCIENTIFIC SUPERVISION (MASTER'S / PROJECTS)

I have had the opportunity to supervise Master's II projects:

- Réalisation d'un Régulateur MPPT Solaire à base de l'Arduino pour le contrôle du convertisseur DC-DC
- Approche vers la conception d'un convertisseur statique multifonction (CMF) à base d'un Arduino
- Réalisation et Commande d'un Bras Manipulateur à Base d'un Arduino
- Conception et Réalisation d'un Drone Commandé à Distance
- Conception et Réalisation d'un Drone Quadcopteur
- Conception et simulation d'un banc de mesure de la caractéristique I - V des modules photovoltaïques

COMPETENCES TECHNIQUES

- Systems Operating Systems: Windows (7, XP, 2000...), macOS
- Programming Languages: Assembler, Matlab, Sumilink, Pascal
- Microsoft Office Suite
- Arduino & Embedded Systems

LANGUAGES

- Arabic: Fluent
- French: Fluent
- English: B1 level