

Curriculum Vitae



Personal Information

First names / Surname

Adel M. ALIMI

Main Professional Activity

Full Professor, National Engineering School of Sfax (ENIS), University of Sfax, Tunisia

Professional Address

REGIM Lab, National Engineering School of Sfax (ENIS), BP 1173, Sfax 3038, Tunisia

Postal Address

Centre Postal Maghreb Arabe, BP 139, Sfax 3049, Tunisia

Permanent Address

Route Gabès Km2, Cité des Enseignants no. 18, Sfax 3052, Tunisia

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Web

<http://adel.alimi.regim.org>

Nationality

Tunisian

Date and place of birth

June 12th, 1966, Sfax, Tunisia

Gender

Male

Civil Situation

Married, 3 children, Mohamed Ezzeddine + Imen + Mohamed Aziz

Education & Diplomas

Dates

November 2000

Title of qualification awarded

Habilitation à Diriger la Recherche (HDR) in Electrical Engineering (Artificial Intelligence)

Name of organization providing education

National Engineering School of Sfax (ENIS), University of Sfax, Tunisia

Dates

September 1995

Title of qualification awarded

Philosophiæ Doctor (PhD) in Electrical Engineering (Artificial Intelligence)

Name of organization providing education

École Polytechnique of Montreal, Canada

Dates

June 1990

Title of qualification awarded

Engineer (6 years) in Electrical Engineering

Name of organization providing education

National Engineering School of Sfax (ENIS), University of Sfax, Tunisia

Dates

June 1984

Title of qualification awarded

Baccalauréat in Math. Techniques

Name of organization providing education

Lycée Technique 9 Avril, Sfax, Tunisia

Professional Experience

- REGIM Lab: Research Groups in Intelligent Machines (LR11ES48), University of Sfax, Tunisia
 - **Founder** (1997)
 - **Director** (1997-2020)
- National Engineering School of Sfax (ENIS), University of Sfax, Tunisia
 - **Professor** in Electrical and Computer Engineering (2006-Now)
 - **Director** (2005-2011)
 - **Vice Director & Director of Studies** (2003-2005)
 - **Associate Professor** in Electrical and Computer Engineering (2001-2006)
 - **Assistant professor** in Computer Engineering (1996-2001)
- Tunisia Erasmus+ Office (NEO Tunisia)
 - **Director** (2018-2020)
- University of Applied Sciences, Weingarten, Germany
 - **Visiting Professor** (2002)
- Ecole Polytechnique of Montreal, Canada
 - **Post-doctoral Researcher** (1995-1996)
 - **Lecturer** in Electrical and Computer Engineering (1991-1996)

Expertise and Consultancy Skills & Competences

- **Evaluation and Quality Assurance in Academic and Research Institutions:**
 - Certified ISO 21001 Lead Auditor (2020-Now)
 - Certified ISO 21500 Lead Project Implementer (2019-Now)
 - ISO 9001 Lead Auditor (2018-Now)
 - IEAQA: Tunisian Institution for Assessment, Quality Assurance and Accreditation (Expert evaluator 2015-2018)
 - REGIM Lab: Research Groups in Intelligent Machines, University of Sfax, Tunisia
Founder of the QMS: Quality Management System 2014-2015. REGIM-Lab. was the First Tunisian Research Laboratory to be certified ISO 9001-2008 in May 2015 (Internal Auditor 2014-Now)
 - ENIS: National Engineering Schools of Sfax, Tunisia
Founder of the QMS: Quality Management System 2009-2011. ENIS was the First Tunisian academic institution to be certified ISO 9001-2008 in February 2011 (Internal Auditor 2009-2011)
 - Tunisian Ministry of Higher Education
Evaluation of ISETs: High Institutes of Technological Education (Expert evaluator 2008-2009)
- **Accreditation of academic programs:**
 - Fundamental licenses: Bachelor degrees (Expert evaluator 2006-2012)
 - Applied sciences and technology bachelors and master degrees (Expert evaluator 2006-2012)
- **Evaluation of Engineering Education:**
 - In the MEDA region
Tempus-MEDA EvQua European project (Expert evaluator 2004-2006)
- **Expert evaluator for European research projects:**
 - FP7-PEOPLE-ITN (2011-2013)
 - FP7-PEOPLE-IAPP (2009-2013)
 - ENPI CBC MED (2010)
- **Expert evaluator for international research projects:**
 - Joint Tunisian / French research projects: CMCU (2007-2008)
 - ALECSO research projects on Arabic OCR (1999-2003)
- **Expert evaluator for the Ministry of Higher Education hiring committee of:**
 - Associate professors in electrical engineering (Chair, 2010-2011)
 - Assistant professors in electrical engineering (Chair, 2008-2009)
 - Assistant professors in Computing for Management (Member, 2004-2005)
- **Consultant for:**
 - Committee for the preparation of the status of Research Engineers in Tunisia (2007)
 - Committee for the creation of Sfax ICT Techno Park (2001-2003)
 - Committee for New-Technologies@Sfax (2000-2003)

Personal Skills & Competences

Mother tongue(s) Arabic

Other language(s) French (F) and English (E)

Self-assessment
European level (*)

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
F	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
E	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

(*) [Common European Framework of Reference for Languages](#)

Social Skills & Competences

- **Advisor** of IEEE National Engineering School (University of Sfax, Tunisia) Student Chapters:
 - Education Society (2013-2018)
 - Computer Society (2012-2018)
 - Aerospace and Electronic Systems Society (2011-2018)
 - Computational Intelligence Society (2010-2018)
 - Robotics and Automation Society (2010-2018)
 - Systems, Man, and Cybernetics Society (2009-2018)
- **Counselor** of the IEEE Student Branch of the National School of Engineers, University of Sfax, Tunisia (2009-2013)
- **Founder and Coach** of Computer Club at the National Engineering School, University of Sfax, Tunisia (1996-2003)
- **Founder and Coach** of Computer Club at the Youth House, Sfax, Tunisia (1987-1990)
- **Founder and Coach** of Computer Club at the Youth & Science Association, Sfax, Tunisia (1983-2003)

Technical and Research Skills & Competences

- **Founder and Director of REGIM Lab**
 - REGIM Lab (LR11ES48): Research Groups in Intelligent Machines
 - Created since January 1997, ENIS, University of Sfax, Tunisia
 - Total budget since creation: 1.2+M TND
- **Scientific Production**
 - h index=28 (Web of Science), 36 (Scopus), 45 (Google Scholar)
 - Citations=3.9+k (Web of Science), 6+k (Scopus), 10.6+k (Google Scholar)
 - 100+ Journal Papers
 - 600+Conference Papers
 - 100+ PhD Thesis defended
 - 20+ Tunisian patents
 - 20+ chapters in edited scientific books
 - 6 special issues editions of international scientific journals
 - List of publications: <http://adel.alimi.regim.org>
- **Scientific Projects Management**
 - 10+ national scientific projects
 - 30+ international scientific projects
 - 2.3+M TND & 1.5+M € total managed funds
- **Research Objectives: Research and design of *Intelligent Machines for Smart City*:**
 - **Topic 1: Smart Brain:**
Machine Learning, Deep Learning, Neural Network Systems, Fuzzy Systems, Decision Making, Evolutionary Computing, Swarm Intelligence, Artificial Immune Systems, Nature inspired Computing Techniques, Ambient Intelligence, Wavelets, Hybrid Intelligent Systems, Classification, Classifiers Combination, Features Extraction, High Dimension Classification Problems Solving
 - **Topic 2: Smart Services:**
Handwriting Analysis and Recognition, Perception, OCR, Arabic Script, Historical Documents Analysis, Live Document, Security, Blockchain, Cryptography, Watermarking
 - **Topic 3: Smart Citizen:**
Cultural Heritage, Social Computing, Affective Computing, Biometrics, Face Analysis and Recognition, Emotion Analysis and Recognition, Human Action Analysis and Recognition, Fingerprint Analysis and Recognition, Palmprint Analysis and Recognition, Iris Analysis and Recognition, Speech Analysis and Recognition, Signature Analysis and Recognition, Handwriting Modeling, Motor Control
 - **Topic 4: Smart Life:**
IoT, Intelligent Transportation, Cloud Computing, Robotics, Multi-Robot systems, Autonomous Robots
 - **Topic 5: Smart Health:**
eHealth, EEG Processing and Analysis

Volunteering Skills & Competences

- **Volunteer for the Sfax Smart City Living Lab (SSCLL)**, Sfax, Tunisia:
 - Founder (2016), Chair (2016-now)
- **Volunteer for Scientific Associations:**
 - Tunisia Section of the International Association for Pattern Recognition (IAPR):
 - + Founder (2014), Chair (2014-Now)
 - Scientific Association Sustainable Innovation @ Tunisia:
 - + Founder (2011), Chair (2011-Now)
 - Volunteer for the Scientific Association Sustainable for Supporting Research and Technological Innovation (ASARIT):
 - + Founder (2006), Chair (2006-Now)
- **Volunteer for the Board of Governors of MIRLabs:** Machine Intelligence Research Labs
 - Member (2011-Now)
- **Volunteer for the University Chair of Innovation (UNCHAIN)** of the University of Sfax, Tunisia:
 - Founder (2010), Chair (2010-2011)
- **Volunteer for IEEE:**
 - Senior Member (2000-Now)
 - Member (1996-2000)
 - Student Member (1991-1996)
- **Volunteer for IEEE Region 8:**
 - Conference Coordination Subcommittee (Chair 2015-2016, past-chair 2017-2018)
- **Volunteer for IEEE Societies:**
 - Systems, Man, and Cybernetics Society:
 - + Technical Committee on Computational Intelligence (Member, 2015-Now)
 - + Technical Committee on Computational Cybernetics (Member, 2015-Now)
 - + Technical Committee on Distributed Intelligent Systems (Member 2010-Now)
 - + Technical Committee on Computational Collective Intelligence (Member 2010-Now)
 - + Technical Committee on Soft Computing (Member 2009-Now)
 - + Corresponding Member in the IEEE Committee on Earth Observation (2009-2011)
 - Computational Intelligence Society:
 - + Technical Committee on Fuzzy Logic (Member, 2015-Now)
 - + Technical Committee on Neural Networks (Member, 2015-Now)
 - + Technical Committee on Data Mining and Big Data Analytics (Member, 2015-Now)
 - + Technical Committee on Evolutionary Computation
 - Member (2015-Now)
 - Task Force on Education (Chair, 2011-2013)
 - Computer Society:
 - + Student Award Committee (Member, 2012-Now)
- **Volunteer for IEEE Tunisia Section:**
 - ExCom (Chair 2019-2020, Vice-Chair 2017-2018, Conference Coordinator 2015-2016, Treasurer 2009-2010)
 - National committee for the creation of the IEEE Tunisia Section (Coordinator 2000-2008)
 - Sfax Subsection (Founder in 2010, Chair 2010-2015)
 - Chapters:
 - + Intelligent Transportation Systems Society (Founder in 2015, Chair 2015-2016)
 - + Robotics and Automation Society (Chair 2013-2014, Vice Chair 2015-2016)
 - + Engineering in Medicine and Biology Society (Chair 2013-2014, Vice Chair 2015-2016)
 - + Industry Applications Society (Secretary 2013-2014, Treasurer 2015-2016)
 - + Education Society (Vice-Chair 2013-2014, Chair 2015-2016)
 - + Systems, Man, and Cybernetics Society (Founder in 2011, Chair 2011-2012, Treasurer 2013-2014, Vice Chair 2015-2016)
 - + Computer Society (Chair 2010-2011, Vice-Chair 2013-2014, Chair 2015-2016)
 - + Computational Intelligence Society (Founder in 2009, Chair 2009-2010, Treasurer 2013-2014, Vice Chair 2015-2016)
 - + Aerospace and Electronic Systems Society (Founder in 2009, Chair 2009-2010, Chair 2013-2014, Vice Chair 2015-2016)
 - + Joint Chapter of the Systems, Man, and Cybernetics Society / Robotics and Automation Society (Founder in 2009, Chair 2009)

Editorial Skills & Competences

- **Associate Editor for Scientific Journals**
 - Journal of Intelligent & Fuzzy Systems, IOS Press, ISSN 1064-1246 (2018-Now)
 - EURASIP Journal on Advances in Signal Processing, Springer, ISSN: 1687-6180 (2010-Now)
 - Neural Processing Letters, Springer, ISSN 1370-4621 (2010-Now)
 - International Journal of Robotics and Automation, Acta Press, ISSN 0826-8185 (2010-Now)
 - IEEE Systems Journal, ISSN 1932-8184 (2017-2019)
 - IEEE Transactions on Cybernetics, ISSN: 2168-2267 (2017-2018)
 - IEEE Transactions on Neural Networks and Learning Systems, ISSN: 2162-237X (2015-2018)
 - Pattern Recognition Letters, Elsevier, ISSN: 0167-8655 (2008-2010)
 - IEEE Transactions on Fuzzy Systems, ISSN 1063-6706 (2008-2009)

- **Member of the Editorial Board of Scientific Journals**
 - Arabian Journal for Science and Engineering, Springer, ISSN 1319-8025 (2015-Now)
 - Cognitive Computation, Springer, ISSN 1866-9956 (2018-Now)
 - International Journal of Advanced Robotic Systems, InTech, ISSN 1729-8806 (2012-Now)
 - International Journal of Systems Science, Taylor & Francis, ISSN 0020-7721 (2010-Now)
 - Journal of Universal Computer Science, Graz Univ. Technology, ISSN 0948-695X (2009-Now)
 - Neurocomputing, Elsevier, ISSN: 0925-2312 (2009-2019)

- **Guest Editor for Scientific Journals Special Issues**
 - Soft Computing, 2006, vol. 10, no. 9
 - Soft Computing, 2006, vol. 10, no. 10
 - Journal of Decision Systems, 2005, vol. 14
 - Systems Analysis, Modeling and Simulation, 2002, vol. 42, no. 7
 - Fuzzy Sets & Systems, 2002, vol. 128, no. 1
 - Integrated Computer-Aided Engineering, 2001, vol. 8, no. 3

• **International Conferences Organization**

- 2020, Honorary Chair of 6th IEEE EnergyCon, April, Tunis, Tunisia
- 2019, Posters and Demo Chair of ICDAR'2019, 15th International Conference on Document Analysis and Recognition, September, Sydney, Australia
- 2019-2017, General Co-Chair of IEEE ASAR, IEEE International Workshop on Arabic Script Analysis and Recognition
- 2018-2011, General Co-Chair of IEEE ICALT, IEEE International Conference on Advances in Logistics and Transport
- 2015, General Co-Chair of ICDAR'2015, 13th International Conference on Document Analysis and Recognition, August, Nancy, France
- 2015, Program Co-Chair of the 1st INNS-BigData'2015, August, San Francisco, USA
- 2015, General Co-Chair of SOLI'2015, 10th International IEEE Conference on Service Operations and Logistics, and Informatics, November
- 2015-2011, General Co-Chair of ROBOCOMP, International Robotics Competition
- 2014, General Co-Chair of SoCPaR'2014, 6th Soft Computing and Pattern Recognition Conference, August
- 2013, Co-Chair of HIS'2013, 13th Hybrid Intelligent Systems Conference, December
- 2013, Co-Chair of IAS'2013, 9th Information Assurance and Security Conference, December
- 2011, General Co-Chair of NGNS'2011, International Conference on Next Generation Networks and Services, December
- 2005, Chair of ACIDCA-ICMI'2005, International Conference on Machine Intelligence, November
- 2004, Co-Chair of SCS'2004, International Conference on Signals, Circuits & Systems, March
- 2000, Chair of ACIDCA'2000, Int. Conf. Artificial & Computational Intelligence for Decision, Control and Automation, March

• **International Conferences Program Committee Membership**

- *ICDAR: IAPR International Conference on Document Analysis and Recognition*
- *ICPR: IAPR International Conference on Pattern Recognition*
- *ICFHR: International Conference on Frontiers of Handwriting Recognition*
- *DAS: International Workshop on Document Analysis Systems*
- *IEEE-IJCNN: IEEE International Joint Conference on Neural Networks*
- *IEEE-CEC: IEEE Congress on Evolutionary Computation*
- *FUZZ-IEEE: IEEE International Conference on Fuzzy Systems*
- *IEEE-GEFS: IEEE International Workshop on Genetic and Evolving Fuzzy Systems*
- *ACM-SAC-DE: ACM Symposium on Applied Computing - Document Engineering Track*

Research Projects Management Skills & Competences

- **AUF**
 - 2005-2006: SAPCCA : Sauvegarde du Patrimoine Culturel de Civilisations Anciennes (20k €, AUF, France & Algeria & Morocco)
 - 2001: Contribution au développement et apprentissage du système neuro-flou Bêta (3.6k \$CAN, AUF, Canada)
 - 1999-2000: Système de traitement du code postal tunisien (17k \$CAN, AUF, Canada & France)
- **Algeria**
 - 2012-2014: Vers le T-Learning basé sur la télévision intelligente: Étude de cas du Maghreb Arabe (30k TND)
 - 2004-2007: Contribution à la reconnaissance et l'indexation de documents arabes par l'exploitation d'approches hybrides (Neuronale, Markovienne, Linguistique, Symbolique) (16k TND)
- **Egypt**
 - 2012: Intelligent diagnostics System for liver fibrosis in chronic hepatitis c-CHC (5k TND)
 - 2007-2008: Digitisation and valorisation of cultural patrimony (20k TND)
- **France**
 - 2018-2020: Vers une plateforme innovante d'apprentissage fondée sur les serious games: cas clinique de la réadaptation cognitive des patients stressés (ILP-SG) (30k TND, PHC-UTIQUE)
 - 2017-2019: Développement d'une plateforme collaborative pour le suivi et le diagnostic de la maladie de Parkinson en utilisant la théorie Bêta Elliptique (11k TND, PHC-UTIQUE)
 - 2003-2004: CEMAFOR : Coopération Europe Maghreb pour l'Aide à la FORMation supérieure (20k €, AUF)
 - 1999-2000: Vers un système de reconnaissance de l'écriture multilingue Arabe et latine (4.863k €, CMCU 99/F1407)
- **Germany**
 - 2007-2009: Sur le chemin de la société d'information (20k €, DAAD)
 - 2002: MARCOS: Multiple Autonomous Robots Collaborative System (1.840k €, DAAD)
- **India**
 - 2017-2018: Deep Document Analysis (40 k TND)
- **Morocco**
 - 2013-2014: Vers le T-learning basé sur la télévision intelligente : Étude de cas du Maghreb arabe (10k TND)
 - 2013-2014: Cognitive Secure System (10k TND)
 - 2008-2011: Conception d'un Framework Paramétrable pour la Génération de Systèmes Spécifiques de Traçabilité (10k TND)
 - 2008-2011: Transcription, Annotation et Indexation du Patrimoine Culturel Arabe Ancien (10k TND)
- **Spain**
 - 2012: Action préparatoire pour le renforcement de la capacité de recherche et la capacité innovation dans le domaine de l'exploitation personnalisée de la télévision dédiée à la culture arabe (5k TND)
 - 2005: Système à robots mobiles autonomes et adaptatifs commandés à distance pour l'accomplissement de tâches communes (robots mobiles à contrôleurs Bêta flous génétiques) (16k TND)
- **South Africa**
 - 2019-2021: Low Cost Control and Communication System for Water Quality Monitoring (180k TND)
- **Turkey**
 - 2020-2022: Deep learning based-hate speech detection in social media: A Comparative Study of Turkey and Tunisia (30k TND)
- **Tunisia PRF (Federating Research) Projects**
 - 2019-2021: FGDYS: Reconnaissance faciale pour orienter la génomique et le diagnostic des dysmorphies en Tunisie (104k TND, MHE Tunisia)
 - 2019-2021: TuLiPa : Tunisian Living Patrimony Plateforme de sauvegarde et de valorisation du patrimoine culturel tunisien ancien (73.8k TND, MHE Tunisia)
 - 2017-2020: PBMLT: Plateforme Biométrique Multimodale pour la Lutte contre le Terrorisme (45k TND, MHE Tunisia)

International Academic Projects Management Skills & Competences

- **Tunisia PAQ Projects**
 - 2020-2021: IAMaNeCeVa: L'Intelligence Artificielle au service des Maladies Neurodégénératives et CérébroVasculaires (200k TND, MHE Tunisia)
 - 2019-2021: Zitounetna: Pilotage intelligent de l'irrigation : cas de l'olivier (70k TND, MHE Tunisia)
 - 2019-2021: IPRadReS: Une plateforme Collaborative basée sur le Deep Learning pour l'identification des profils radicalisés dans les réseaux sociaux (158k TND, MHE Tunisia)
- **Tunisia Erasmus+ Office**
 - 2018-2020: NEO Tunisia (368k €, EACEA)
- **European Erasmus Mundus Projects**
 - 2013-2017: eGov@tn: Open Government Data in Tunisia for Service Innovation and Transparency (244.5k €, 545642-EM-1-2013, France & Spain & Poland)
 - 2012-2016: Green-IT (416.5k €, France & Spain & Poland & Bulgaria & Portugal & Egypt & Algeria & Morocco)
 - 2012-2016: EU-METALIC (91k €, UK & Germany & Italy & Austria & France & Spain & Egypt & Libya Algeria & Morocco)
- **European Tempus Projects**
 - 2011-2013: PARENIS : Development and Implementation of a Program Advancing Research Education and Exploitation for the Support of National Innovation Systems (65.6k €, Germany & France & UK & Morocco)
 - 2010-2012: TIES : Toward an Internationalization of Higher Education Network for MEDA Region (43.4k €, Spain & France & Italy & Morocco & Algeria & Egypt & Jordan)
 - 2010-2012: LHEM : Leadership in Higher Education Management (71.9k €, UK & Italy & Germany & Greece & Egypt & Lebanon & Morocco & Jordan)
 - 2009-2011: UNCHAIN : University Chairs on Innovation (103k €, Austria & The Netherlands & Italy & Morocco & Egypt & Syria & Lebanon)
- **European Interreg III B Projects**
 - 2004-2006: TECHNOLANGUE : Intégration entre les langages de la planification et de l'information en vue de l'élaboration de cartes interactives d'espace Medocc-Meda et des systèmes de transport correspondants (58.5k €, Medocc-2003-03-3.4-I-091, Italy & Greece)

Awards

- **IEEE Awards**

- Region 8 Outstanding Large Section Award as chair of IEEE Tunisia Section, 2019
- Appreciation for contributions as Chair of the Tunisia Computer Society Chapter, 2010-2012
- Appreciation for contributions as Chair of the Tunisia Systems, Man, and Cybernetics Society Chapter, 2011-2012
- Outstanding Branch Counselor for the IEEE ENIS Student Branch, 2011
- Appreciation for contributions as Chair of the Tunisia Computational Intelligence Society Chapter, 2009-2010
- Appreciation for contributions as Chair of the Tunisia Aerospace and Electronic Systems Society Chapter, 2009
- Appreciation for contributions as Chair of the Tunisia Systems, Man, and Cybernetics Society Chapter, 2009
- Outstanding Award for the establishment project of the Tunisia Section, 2008
- Appreciation and Recognition of contribution towards establishing IEEE Tunisia Section, Edinburgh, UK, 2001
- Appreciation and Recognition of contribution towards establishing IEEE Tunisia Section, Cairo, Egypt, 2000

- **INNS Awards**

- International Neural Network Society (INNS) Award for contribution on Neural Networks, 2008

- **Tunisian Awards**

- Tunisian Presidency Award for Scientific Research and Technology, 2010
- Tunisian National Order of Merit, at the title of the Education and Science Sector, 2006

Additional information

<http://adel.alimi.regim.org>