



Personal Information



Tarek M. Hamdani

Associate professor at the Higher Institute of Informatics, Mahdia (ISIMa), University of Monastir, Tunisia.

 Airport RD, Km 2.5 PB N°10, 3023, Sfax, Tunisia

 (+216) 74 677 545  (+216) 98 956 385 (WhatsApp)

 tarek.hamdani@ieee.org, tarek.hamdani@regim.usf.tn, tarek.hamdani@isima.rnu.tn

 <https://sites.google.com/regim.usf.tn/tarek-hamdani>

Date of birth 01/09/1979, Tunis, Tunisia | **Nationality** Tunisian

Sex Male | **Civil Situation** Married, 3 childrens: Kamar, Eya, Nour



Education & Diploma

- June 2019** **Habilitation Universitaire**
 "Intelligent Machines Toward New Learning Systems Trends"
 National School of Engineers of Sfax (ENIS), University of Sfax, Tunisia.
 • Computer science Engineering (Ingénierie des Systèmes Informatiques ISI)
- March 2011** **Doctorate**
 "Model Selection of Beta Neuro-Fuzzy Classifiers for High Dimensional Data"
 National School of Engineers of Sfax (ENIS), University of Sfax, Tunisia.
 • Computer science Engineering (Ingénierie des Systèmes Informatiques ISI)
- July 2003** **Master**
 "Système de reconnaissance de chiffres manuscrits par approche β -Support Vector Machines"
 National School of Engineers of Sfax (ENIS), University of Sfax, Tunisia.
 • Computer science Engineering (Nouvelles Technologies des Systèmes Informatiques Dédiés – NTSID)
- March 2011** **Maîtrise**
 "Reconnaissance des chiffres manuscrits par approche neuronale"
 Faculty of Economics and Management of Sfax (FSEG), University of Sfax, Tunisia.
 • Business Computing
- June 2001** **Diplôme d'études universitaires du premier-cycle**
 Faculty of Economics and Management of Sfax (FSEG), University of Sfax, Tunisia.
 • Business Computing
- June 1997** **Baccalaureate**
 Experimental Sciences
 Lycée Ibn Charaf, Thala, Tunisia.

Professional Experience

- (Since - 2020) **Associate Professor at ISIMa of Mahdia**
 Higher Institute of Informatics, Mahdia (ISIMa), University of Monastir, Tunisia.
- (2011 - 2020) **Assistant Professor at ISIMa of Mahdia**
 Higher Institute of Informatics, Mahdia (ISIMa), University of Monastir, Tunisia.
- (2006 - 2011) **Assistant at ISIMa of Mahdia**
 Higher Institute of Informatics, Mahdia (ISIMa), University of Monastir, Tunisia.
- (2003 - 2006) **Assistant at FSEG of Sfax**
 Faculty of Economics and Management of Sfax (FSEG), University of Sfax, Tunisia.
- (2001 - 2003) **Student Researcher at FSEG of Sfax**

Personal Skills

Mother language Arabic

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	Proficient User	Proficient User	Proficient User	Proficient User	Proficient User
English	Proficient User	Proficient User	Proficient User	Proficient User	Proficient User

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Social Qualifications & Skills

- 1st prize at the 1st International Championship of Invention and Scientific Research 2022
- IEEE: Senior Member 2012
- IEEE: Member 2001
- Vice-Chair of the IEEE Africa Council Students Activities (2022-2023)
- Communications officer : IEEE Tunisia Section, (2019-2020)
- Chapter Chair : IEEE Tunisia Section Aerospace Chapter, (2019-2020)
- Educational Activities : IEEE Sfax Subsection, (2012-2015)
- Chapter Treasurer : IEEE Tunisia Section Education Chapter, (2013-2014)
- Chapter Secretary : IEEE Tunisia Section CIS Chapter, (2011-2013)
- Chapter Treasurer : IEEE Tunisia Section SMC Chapter, (2010-2011)

Technical and Research

Scientific Production

- 10+ papers in international scientific journals
- 30+ papers in international scientific conferences
- Four theses defended in co-supervision (ENIS)
- Two co-supervised theses (ENIS)
- Six theses under direct supervision (ENIS, ENISO, FSEGS)

Research Objectives

Teaching, research and design of Intelligent Machines:

- Objective 1. Smart Brain
Learning, Neural Systems, Deep Learning, Fuzzy Systems, Evolutionary Algorithms, Swarm, Multi-agent Systems;
- Objective 2. Smart Perception
High Dimensional Classification Problems, Classification, Perception, Combination of Classifiers, Feature Analysis, Manuscript Recognition
- Objective 3. Smart Data Science
Big Data, Data Visualization, Data Analytics, Machine learning, Data Mining, Data Warehouse, Data Lake, Medical Assistance and Healthcare, Biometry, Business Intelligence, Patrimonial data, Cloud Computing

Scientific Review

- TNNLS, IEEE, ISSN: 2162-237X
- NeuroComputing, Elsevier, ISSN: 0925-2312
- Neural Networks, Elsevier, ISSN: 0893-6080
- Pattern Recognition Letters, Elsevier, ISSN: 0167-8655
- Soft Computing, Springer, ISSN: 1432-7643
- Neural Processing Letters, Springer, ISSN: 1370-4621

Teaching Activity

- Artificial Intelligence

Machine Learning	Master
Data Mining	Master
Systèmes Intelligents	Ingénieur
Artificial Intelligence	Bachelor
Fondement de l'Intelligence Artificielle	Licence
- Programming

Programmation Java 2	Maitrise
Programmation Linux	Maitrise
Programmation Mobile	Licence

Research Projects Management

- 2020-2023: Member of the **PAQ** PaNaTourSud project: "Portail Intelligent à base de réalité virtuelle pour la promotion de nouveaux circuits touristiques valorisant le patrimoine historique et naturel du Sud Tunisien". Lab. METINT, Lab. LERIC.
- 2019-2023: Member of the **PAQ** IPradRes project: "Plateforme Collaborative basée sur le Deep Learning pour l'identification des profils radicalisés dans les réseaux sociaux". FLSHS, ECUMUS
- 2020-2023: "Encouragement des Jeunes Chercheurs" (**PEJC'2019**): Diagnosis and monitoring of Parkinson's by deep learning of Micrography
- 2019-2022: Member of the **PRF** project (FGDYS): "Reconnaissance faciale pour orienter la génomique et le diagnostic des dysmorphies en Tunisie". CBS, FMS, TDS Company.
- 2019-2022: Member of the **PRF** TuLiPa project: Tunisian Living Patrimony. Lab. METINT, Lab. LERIC.
- 2017-2021: Member of the **PRF** PBMLT project: "Plateforme Biométrique Multimodale de Prévention contre le Terrorisme". CBS, CEM Lab, SAGE, ProCAN Company.
- 2013-2014: **Tunisian-Moroccan** Project Coordinator "Cognitive Secure System" RTSE Partner Réseaux Télécommunications et Systèmes Embarqués.

Scientific Cooperation

University Activities

- Member of the scientific council, 2020-2023, ISIMa, Mahdia, University of Monastir
- Head of the ISIMa quality office, Mahdia, University of Monastir
- Member of the University of Monastir doctoral school (since 2020)
- Coordinator of the Business Computing License in Computer Science accreditation project
- Member of the "Data Science" master's commission, ISIMa, Mahdia, University of Monastir
- Director of the Computer Science Department, 2013-2017 University of Taibah, Saudi Arabia

Scientific Events Organization

- Workshop Chair of 4th ASAR, "International Workshop on Arabic Script Analysis and Recognition", Lausanne, Switzerland, in conjunction with ICDAR 2021
- Workshop Chair of 3rd ASAR, "International Workshop on Arabic Script Analysis and Recognition", Sydney, Australia, in conjunction with ICDAR 2019
- Workshop Chair of 30th Workshop on Intelligent Machines and Their Applications WIMTA-2018
- Workshop Chair of 19th Workshop on Intelligent Machines and Their Applications WIMTA-2012
- Organising committee of the 2nd international conference ACIDCA-ICMI'2005
- International Conference on Machine Intelligence 5-7 November 2005, Tozeur, Tunisia
- Organising committee of international conference SCS'2004
- International Conference on Signals, Circuits & Systems 18-21 March 2004, Monastir, Tunisia

Cooperation & Internships

- 2012- 2018 Technical cooperation in Saudi Arabia
- Taibah University, Saudi Arabia.
- March 16 - April 8, 2008, Pensacola Florida USA
- Visiting scholar at department of Computer and Electrical Engineering University of West of Florida, USA.
- 15 July - 15 September 2006, Waterloo, Canada.
- Visiting scholar at PAMI Laboratory Univ. of Waterloo, Canada.
- Since 2018, cooperation agreements
- The FABLAB company located in Mahdia
 - The company Globe computer services located in Monastir
 - The WEB2CODE company located in La Marsa
- Since 2018, Higher Institute of Computer Science of Mahdia (ISIMa)
- Coordinator of the Google club "Developer Student Clubs" (ISIMa)
 - Coordinator of the IEEE Robotic Society Student Chapter (ISIMa)

Additional Information

Scholar Google



dblp



LinkedIn

