

Mansouri Nabila

Curriculum Vitae

Personal Information

- **Birthday:** 18/03/1987
- **Nationality:** Tunisia
- **Address:** Digital research center of Sfax, Technopole of Sfax, 3021 Sfax -Tunisia
- **Tel:**
 - (+216) 95563505
- **E-mails:**
 - nabila.elmansouri@crns.rnrt.tn
- **Actual Job :**
 - Assistant Professor at Digital research center of Sfax

Career Summary

- Phd in computer sciences from :
 - Hauts-de-France Polytechnic University - France
 - National School of Engineers of Sfax (ENIS)- University of Sfax
- Potdoc en Deep learning and AI :
 - Digital research center of Sfax - Tunisia
- Research Projects:
 - Since 04/2024: Research Project with ekara by Ip label society
 - 2023-2024 : Coffee price from Cultural ministry of Kingdom m of Arabia Suadia
 - RG 20155-2020 - UOH -KSA
 - PREF-SMART-CASTLE -2018 - Digital research center of Sfax - Tunisa
 - PISTES -2013 - Hauts-de-France Polytechnic University - Farncce
- Teaching experience: Since the academic year 2012/2013 in various institutions :
 - National School of Electronics and Telecommunications of Sfax -Tunisia
 - University of Ha'il in Saudi Arabia - KSA
 - Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISIMS -Tunisia
 - National School of Engineers of Sfax-Tunisia (ENIS) -Tunisia
 - Ufr sciences and technologies, University of Toulon-France
- Training and certifications :
 - TOT certificate: Trainer Of Trainer from RS Academy
 - Proficiency Certificate: Deep Learning Fundamentals for Computer Vision from the Nvidia Deep Learning Institute
 - Proficiency International Certificate: IC3 from Certiport
 - English Certificate from Scholing+, Sfax-Tunise
 - Training: Improving the quality of teaching: for a new vision of teaching. Action plan centred on the learner of the 21st century (ENIS Sfax-Tunisia)

- Seminar: Taking charge of the professional aspect of the teaching function (L'ESPE Lille-France)
- Publications :
 - Journals : 9
 - Conferences : 6

Graduation

2012–2017 Phd in computer sciences in Cotutelle:, *National School of Engineers of Sfax-Tunisia* , & Hauts-de-France Polytechnic University,

Spécialité: Computer Vision and AI

Grade: Very honourably

Laboratories : ○ Research Laboratory in Development and Control of Distributed Applications, ReDCAD, ENIS, Sfax University Tunisia .
 ○ Laboratory of Automatic Mechanics of Industrial and Human Computing, LAMIH, UMR n°8201, Polytechnic University Hauts-de-France.

Research supervisors: ○ Yousra Ben Jemaa, Professor in Telecommunication.
 ○ Eric Watelain , Professor - HDR, University of Toulon - France.

Reviewers : ○ François Bremond, research supervisor INRIA, Sophia Antipolis.
 ○ Atef Masmoudi, Professor - HDR, University of Sfax.

2010–2012 Master in computer sciences , *Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISIMS* ,

Speciality: Computer Vision and AI

Grade: Excellent

Research supervisor: Yousra Ben Jemaa, Professor in Telecommunication.

2006–2010 Bachelor's degree in computer sciences , *Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISIMS*

Speciality: Computer sciences and multimedia

Grade: Excellent

2006 A high school diploma

Speciality: Mathematics

Grade: Good

Publications

Articles in peer-reviewed international scientific journals (9)

- IJAIN-2024 **Nabila Mansouri , Hanene Guesmi , Adel Alkhalil , "A deep learning model for detection and classification of coffee-leaf diseases using the transfer-learning technique "**, International Journal of Advances in Intelligent Informatics , 10 (3), 379-396
Quartile = Q3
- IACS-2022 **Nabila Mansouri, Khaled Sultan, Ahmad Aakash, IBrahim Alseadoon and Adel Alkhalil, "A Deep Learning Framework for COVID-19 Diagnosis from Computed Tomography"**, Intelligent Automation & Soft Computing, 34(2), 1247-1264
Impact Factor = 1.647, Quartile = Q3
- NCAA-2021 **Nabila Mansouri, Sourour Ammar, Yousri Kessentini, "Re-ranking Person Re-identification using Attributes Learning"**, Journal of Neural Comput. Appl, 33(19)
Impact Factor=5.606, Quartile= Q2
- JEI-2021 **Nabila Mansouri, Cina Motamed, Yousra Ben Jemaa, Eric Watelain, "Bayesian model for pedestrian's behavior analysis based on image and video processing"**, Journal of Electronic Imaging, 30(1)
Impact Factor=0.945, Quartile= Q3
- Computación y Sistemas 2020 **Nabila Mansouri, "Automatic Age Estimation: A Survey"**, Computación y Sistemas, 24(2)
Impact Factor=0.368, Quartile= Q4
- IJST-2020 **Nabila Mansouri, Hana Bougueddima, Yousra Ben Jemaa, "Efficient Depth Features for Age-Group Classification"**, The International Journal of Science & Technoledge, 8(3)
Impact Factor=0.981
- JEI-2018 **Nabila Mansouri, Eric Watelain, Yousra Ben Jemaa, and Cina Motamed,, "A Video-Processing-Based System for Automated Pedestrian Data Collection and Analysis when Crossing the Street"**, Journal of Electronic Imaging, 27(2), 2018,
Impact Factor=0.924, Quartile= Q3
- IET Biom-2017 **Nabila Mansouri, Mohammed Aouled Issa, Yousra Ben Jemaa, "Gait-based human age classification using a silhouette model"**, Journal of IET Biometrics, 7(2)
Impact Factor=2.092, Quartile= Q2
- IET CV-2017 **Nabila Mansouri, Mohammed Aouled Issa, Yousra Ben Jemaa, "Gait features fusion for efficient automatic age classification"**, Journal of IET Computer Vision, 12(1)
Impact Factor=1.648, Quartile= Q2
- [International conferences \(6\)](#)
- CATA-2020 **Nabila Mansouri, Hana Bougueddima, Yousra Ben Jemaa, "Age-group Classification Using 3DHOG Descriptor Applied to Depth Maps"**, CATA, 2020, 393-402
Classe C
- AVSS-2019 **Nabila Mansouri, Sourour Ammar, Yousri Kessentini, "Improving Person Re-Identification by Combining Siamese Convolutional Neural Network and Re-Ranking Process"**, AVSS, 2019, 1-8
Classe B

- ICDSC-2016 **Nabila Mansouri, Yousra Ben Jemaa, Eric Watelain**, "*Optimized HOG Descriptor for on Road Cars Detection*", ICDSC, 2016, 166-171
Classe B
- IPTAT-2014 **Nabila Mansouri, Yousra Ben Jemaa, Cina Motamed, Antonio Pinti, Eric Watelain**, "*A new strategy based on spatiogram similarity association for multi-pedestrian tracking*", IPTA, 2014, 175-180
- IPTA-2014 **Ahmed Derbel, Aladine Chetouani, Sylvie Treuillet, Bruno Emile, Nabila Mansouri, Yousra Ben Jemaa**, "*Interest lower body point's detection for markerless gait analysis*", IPTA, 2014, 181-186
- ICIAR-2013 **Ahmed Derbel, Nabila Mansouri, Yousra Ben Jemaa, Bruno Emile, Sylvie Treuillet**, *Comparative Study between Spatio/Temporal Descriptors for Pedestrians Recognition by Gait*, ICIAR, 2013, 35-42
Classe C

Nationals Conferences (1)

- METHODICA 2017 **Nabila Mansouri, Yousra Ben Jemaa, Erci Watelain**, "*Approche automatique à base de traitement d'images pour l'analyse comportementale de piétons âgés lors de traversée de la rue*", workshop on Methods for the Adaptive Distributed Software, METHODICA,, Monastir-Tunise
January 2017

Posters (2)

- Doctoral 2015 **Nabila Mansouri, Yousra Ben Jemaa, Erci Watelain**, "*Behavior Study of Elder Pedestrians when Crossing The Street Based on Image Processing*", Doctoral, Lille-France
April 2015
- Mdc 2015 **Nabila Mansouri, Yousra Ben Jemaa, Erci Watelain**, "*Study of the behavior of elderly pedestrians when crossing the street based on automatic image processing*", Mdc, Mons-Belgium
Mars 2015

Research Projects

- Since 04/2024 **Research Project with**, *ekara by Ip label society*, Person identificatin, by browsing behavior
- 2023-2024 **Nabila Mansouri, Adel Alkhalil**, *Coffee price*, from Cultural ministry, of Kingdom m of Arabia Suadia
AI model for coffee diseases detection
- RG-20155–2020 **Implimentation of intelligent Tool for COVID'19 detection**, *Nabila Mansouri, Adel Alkhalil, Ahmad Aakash, Khaled Sulthan, Ibrahim Alseadoon*, University of Ha'il- Research Department e, Arabia Saudia
September 2020
- PREF-SMART-CASTLE **Air Control, Statutory and Terrestrial of terrorist activity**, *supervisor Prof. Yousri Kessentini*, CRNS-Sfax, Tunisie
Juliet 2018–2018

PISTES 2013 **Project PISTES: " PlétonS et comportement de Traversée de rueS" ,**
supported by foundation of street security , University Polytechnics Hauts-de-France ,
2013-2017

Research Activities and scientific animations

Involvement in seminars and conferences

- ICIP 2020 **2020 IEEE International Conference on Image Processing, 25 – 28 October, 2020, Abu Dhabi, UAE (Virtual)**
- CATA 2020 **35th International Conference on Computers and Their Applications (CATA 2020), March 23-25, 2020, San Francisco, California, USA**
- AVSS 2019 **16th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS 2019) , September 18-21, 2019, Taipei, Taiwan,**
- TIM 2017 **Second day in Image Processing (TIM'17), April 2017, Sfax -Tunisie**
- BIG data 2017 **1 er Workshop BIG data analytic, Mars 2017, Sfax-Tunisie**
- METHODICA 2017 **14th workshop on Methods for the Adaptive Distributed Software, January 2017, Monastir-Tunisie**
- METHODICA 2014 **11th workshop on Methods for the Adaptive Distributed Software, December 2014, Sfax-Tunisie**
- Biodialog 2017 **Second Workshop on Biodialog Project, November 2016, Sfax-Tunisie**
- ICDSC 2016 **International Conference on Distributed Smart Cameras, September 2016, Paris-France**
- ICALT 2015 **IEEE International Conference on Advanced Logistics and Transport, Mai 2015, Valenciennes-France**
- Doctoriales 2015 **18eme Doctoriales Haut-de-France, April 2015, Lille-France**
- Mdc 2015 **Researchers Meeting, Mons-Belgium, March 2015**
- JFRD'2014 **Day of Francophone Phd researchers (Journée Francophone de Recherches Doctorales), December 2014, Paris-France**
- IPTA 2014 **International Conference on Image Processing Theory, Tools and Applications, October 2014, Paris-France**

Internships and missions for laboratories/universities abroad

- January-2016 **University of the Littoral Opal Coast, LISIC:, (Laboratory of Computer Sciences, Signal and Images, University of the Littoral Opal Coast - EA 4491)**
- 01 November 2015- 18 December 2016 **University of Toulon, Campus of La Garde**
- September– Mai- 2015 **University of Valenciennes-France, LAMIH:, (Laboratoire d'Automatique de Mécanique d'Informatique Industrielles et Humaine UMR n°8201)**

March–Mai-2014 **University of Valenciennes-France, LAMIH;** (Laboratory of Automatic Mechanic Industrial Computer Sciences and Human UMR n°8201)

November-2013 **University of Valenciennes-France, LAMIH;** (Laboratory of Automatic Mechanic Industrial Computer Sciences and Human UMR n°8201)

Organisation of scientific events

March-2020 **Organisation of a training in Excel for the works of the companies,** *University of Ha'il, Arabia Saudia*

Jun-2019 **Participation to organisation of IndabaX Sfax,** *CRNS-Sfax, Tunisia*

December 2018 **Participation to organisation of training School on Deep Learning,** *CRNS-Sfax, Tunisia*

April 2017 **Participation to organisation of "Girls in ICT Day",** *CRNS-Sfax, Tunisia*

Reviewing Activities

IASC 2021: Intelligent Automation & Soft Computing

TR PART C 2015: Elsevier International Journal on Transportation Research part C

IET Biometrics 2018: IET International Journal on Biometrics

TJCA 2018: International Journal of Computers and Applications

RPCS 2019: Recent Patents on Computer Science

IET Biometrics 2019: IET International Journal on Biometrics

Journal Editor

LJP 2023: London Journals Press Research Platform

Teaching experience

2019–2023 Assistant Professor , *University of Ha'il, Saudi Arabia*

2017–2019 Assistant , *Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISMS, University of Sfax, Tunisie*

2015–2016 Assistant , *Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISMS, University of Sfax, Tunisie*

2015–2016 Assistant, *UFR Sciences and Technologies, University of Toulon, France*

2012–2013 Assistant , *National School of Engineers of Sfax (ENIS), University of Sfax, Tunisia*

Experience of Capstone projects management

2 Master Higher Institute of Computer Science and Multimedia of Sfax-Tunisia: ISMS, *University of Sfax, Tunisie*

20 Capstone projects University of Ha'il, Saudi Arabia

Training

- 2022 **TOT certificate: Trainer Of Trainer** , *from RS Academy*
- 2019 **Proficiency Certificate: Deep Learning Fundamentals for Computer Vision**, *from the Nvidia Deep Learning Institute*
- 2020 **Proficiency International Certificate: IC3**, *from Certiport*
- 2020 **Training in Pedagogic preparation of course program** , *Department of quality and innovation, University of Ha'il*
- 2020 **Using AI for exam control**, *University of golf union countries, kuwait*
- 2020 **Training in Pedagogic construction of electronic course**, *Department of quality and innovation, University of Ha'il*
- 2020 **Training in Pedagogic preparation of course program** , *Department of quality and innovation, University of Ha'il*
- 2020 **Training in Pedagogic development of course outcomes** , *Department of quality and innovation, University of Ha'il*
- 2019 **Training in Pedagogic New strategy of teaching** , *Department of quality and innovation, University of Ha'il*
- 2016 **Training in teaching pedagogy**, *ENIS*
- 2014 **English Certificate from Scholing+**, *Sfax-Tunise*
- 2015 **Training: Improving the quality of teaching: for a new vision of teaching. Action plan centred on the learner of the 21st century**, *(ENIS Sfax-Tunisia)*
- 2016 **Seminar: Taking charge of the professional aspect of the teaching function** , *L'ESPE Lille*

Community Services

Trainer

- 2022 **IC3 (Internet Core Competency Certification)**, *University of Ha'il*
- 2020 **Using Excel in Business**, *University of Ha'il*

Activities for Students

- 2023 **Workshop on using Internet safely**, *University of Ha'il*
- 2023 **Competition in Arabic writing**, *University of Ha'il*
- Since 2020 **Regular Workshop on academic guidance and scholars charts explication**, *University of Ha'il*
- 2022 **Workshop on Information technologies innovations**, *University of Ha'il*
- Since 2021 **Regular Workshop on schedule registration guidance and using academic (faculty) icon**, *University of Ha'il*
- Since 2019 **Regular Workshop on online learning and using Blackboard platform** , *University of Ha'il*
- Since 2019 **Regular Workshop Saudi Arabia National day**, *University of Ha'il*
- 2021 **Helping students pass the proficiency test with voluntary assistance and reinforcing classes** , *University of Ha'il*

Administrative services

- Since 2022 **Responsible of Admission and Registration deanship in the Shimili branch,** *Shimili branch, University of Hail*
- 2019-2022 **Responsible of student orientation in the Shimili branch,** *Shimili branch, University of Hail*
- 2019-2021 **Responsible of blackboard and e-learning,** *Shimili branch, University of Hail , ,*
- Since 2019 **Responsible of quality in computer science department,** *Shimili branch, University of Hail*
- Since 2020 **Responsible of exams controls in computer science department ,** *Shimili branch, University of Hail , ,*

Distinctions

Awards

- 2021 **Certificate of Appreciation and Thanks,** *Deanship of Admission and Registration, University of Hail*
- September 2014 **Eiffel Award,** *UVHC*
- Jun 2011 **Excellence Award of ISIMS,** *Major of Master , ,*
- Jun 2010 **Excellence Award of ISIMS,** *Major of Bachelor*

International Scholarships

- 03-2014–05-2014 **International Scholarships l'Agence Universitaire de la Francophonie : AUF**
- 09-2014–05-2015 **International awards of excellence Eiffel,** *2014/2015*
- 2008–2009 **ERASMUS: International Student in University of Liege-Belgium ,** *Averroès Program*

Competences

- Machine learning: Deep learning, CNN, Keras, Tensorflow
- Operating Systems : Linux: Ubuntu, Windows
- Programming Language : Python, Open Cv, C, JAVA, MATLAB, Prolog, Pascal
- Technologies of web : HTML, PHP, PHP5, CSS, XML, SQL , Synphony
- Information System : Methods and languages (UML,Merise,O*)

Database Access, MySql, Oracle
Systems d:

Tools: Eclipse, Netbeans, Visual studio, Rational Rose, ArgoUML, Cisco packet tracer

Communication

Science 2013 Representations Orals in international Conferences
2013 Certificate of communication and writing English

Languages

Araby Mother Language
French Very good
English Very good
Italy Basic

Interest

- Travelling
- Lecture