

Curriculum Vitae

Naziha DHIBI

Personal informations

Full Name	Dhibi Naziha
Address	City Ennour, Gafsa, Tunisia
Email	dhibi.naziha@gmail.com naziha.dhibi@fsgf.rnu.tn
Date and place of birth	July 14, 1986 in Gafsa, Tunisia
Marital status	Married
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Membership

REGIM-Lab(Research Groups on Intelligent Machines)	December, 2010.
IEEE (Institute of Electric and Electronic Engineering)	December, 2012.

PhD thesis

13-12-2016 Doctor in “Computing System Engineering”, in National Engineering School of Sfax(ENIS) with a very honorable not

2011-2016: PhD student on “Computing System Engineering”, in National Engineering School of Sfax (ENIS).

Thesis Title : " Multi library Wavelet Neural Network architecture for 3D mesh Deformation using Trust Region Spherical Configuration and Multi-layer Compression Algorithm"

Target: Develop an effective system for 3D objects deformation using multi-mothers Wavelets network

Supervisor: Chokri Ben Amar, Professor at the National School of Engineers of Sfax.

Co-supervisor: Dr. Akrem Elkefi, Assistant Professor at the Faculty of Science of Sfax.
Dr. Wajdi Bellil, Assistant Professor at the Faculty of Science of Gafsa.

Master's thesis

2009-2011 Research Master, Industrial automatic computer (AII), computer system specialty, in National School of Engineers (ENIS).

Title: Study implementation of a new training algorithm for wavelet networks based on genetic algorithm and multiresolution analysis for 3D objects modeling

Supervisor: Chokri Ben amar professor at the National School of Engineers of Sfax.

Co-supervisor: Dr. Wajdi BELLIL, Assistant Professor at the Faculty of Science of Gafsa.

Graduation

2007-2009: Get a professorship in Computer Sciences in Faculty of sciences of Gafsa with honors

2005-2007: Ending of the first stage of the university degree in the specialization of mathematics and computer sciences with honors

2004-2005: Baccalaureate Diploma in experimental sciences (New year high school Gafsa)



Research areas

Master	3D mesh modeling, Wavelet network , Multiresolution analysis
Thesis	3D deformation objects, Spherical parameterization, 3D mesh compression.

Publications

1. Mejda Chihaoui, **Naziha Dhibi**, Ahlem Ferchichi, Optimization of convolutional neural network and visual geometry group-16 using genetic algorithms for pneumonia detection. Frontiers in Medicine, Volume 11, pages 1498403. 2024.
2. **Naziha DHIBI**, Chokri BEN AMAR "Performance of Genetic Algorithm and Levenberg Marquardt Method on Multi-Mother Wavelet Neural Network Training for 3D Huge Meshes Deformation: A Comparative Study. Neural Processing Letters.53, 2221-2241. (2021).
3. **Naziha DHIBI**, Chokri BEN AMAR " Multiresolution analysis relying on Beta wavelet transform and multi-mother wavelet network for a novel 3D mesh alignment and deformation technique" In International Journal of Machine Learning and Cybernetics,2020, Publisher: Springer Science + Business Media.
4. **Naziha DHIBI**, Chokri Ben AMAR " Multi-mother wavelet neural network based on genetic algorithm and multiresolution analysis for fast 3d mesh deformation" In Journal of IET Image Processing 2019,Volume 13, 2480-2486.
5. **Naziha DHIBI**, Akram ELKEFI, Wajdi BELLIL, Chokri BEN AMAR "Multi-layer compression algorithm for 3D deformed mesh based on Multi library Wavelet Neural Network architecture", In Journal of Multimedia Tools and Applications(MTA), Volume 75, 13 October 2016, Publisher: Springer
6. **Naziha DHIBI**, Akram ELKEFI, Wajdi BELLIL, Chokri BEN AMAR " 3D High resolution mesh deformation based on Multi Library Wavelet Neural Network architecture", In Journal of 3D research(RES), Volume 7 Issue 4, December 2016, Publisher: Springer Science + Business

Media.

7. **Naziha DHIBI**, Chokri BEN AMAR “Multi-mother wavelet neural network training using genetic algorithm-based approach to optimize and improves the robustness of gradient-descent algorithms: 3d mesh deformation application, in 15th International Work-Conference on Artificial Neural Networks IWANN2019.
8. **Naziha DHIBI**, Akram ELKEFI, Chokri BEN AMAR A Study on the Influence of Wavelet Number Change in the Wavelet Neural Network Architecture for 3D Mesh Deformation Using Trust Region Spherical Parameterization, in 28th International Conference on Artificial Neural Networks. ICANN 2018: 545-555.
9. **Naziha DHIBI**, Akram ELKEFI, Wajdi BELLIL, Chokri BEN AMAR, “A trust region Optimization Method for fast 3D spherical configuration in Morphing Processes”, in 13th International Conference on Advanced Concepts for Intelligent Vision Systems (ACIVS2015), Volume 9386 of the series LNCS , Page :541-552, 2015.
10. **Naziha DHIBI**, Akram ELKEFI, Wajdi BELLIL, Chokri BEN AMAR, “Semi-regular Remeshing based trust region spherical geometry image for 3D deformed mesh used MLWNN”, in 9th International Conference on Machine Vision (SPIE-ICMV 2016),
11. **Naziha DHIBI**, Akram ELKEFI, Wajdi BELLIL, Chokri BEN AMAR, “Study implementation of a new training algorithm for wavelet networks based on genetic algorithm and multiresolution analysis for 3D objects modeling (MELECON), in 16th IEEE Mediterranean Electrotechnical Conference (MELECON), Page:656-668,2012.

Participation in seminars and training

- ❖ January 2022 participation in a training organized by **CertiProf** and Certification in **Scrum Foundation**.
- ❖ October 2021 participation in the “**Computer Security**” training organized at the Gafsa private engineering school.
- ❖ October 2021 participation in the “**Soft Skills**” training organized at the Gafsa private engineering school.
- ❖ October 2021 participation in the “**Business net**” training organized at the Gafsa private engineering school.
- ❖ January 2021 participation in a training organized by **nvidia deep learning institute** and certification in “**Getting started with AI ON JETSON NANO**”.
- ❖ February 2021 participation in a training organized by **nvidia deep learning institute** and certification in “**Getting started with deep stream for video analytics on JETSON NANO**”.
- ❖ March 2021 participation in a training organized by **nvidia deep learning institute** and certification in “**Scaling workloads across multiple GPUs with CUDA C++**”.
- ❖ October 2019 participation in the **Conference-Seminar** “ Collective Intelligence for a New Society” organised at ISET of Gafsa.
- ❖ March 2018 participation in the **WILEY training** “Editor's tips and overview of the field of scientific publication: what to do to publish and how the scientific journals work” organized at the Faculty of Sciences of Gafsa.
- ❖ November 2017 participation in the training “**Fundamentals of 3D Printing**” organized at the Faculty of Science of Gafsa.
- ❖ November 2016 participation at the **9th International Machine Vision Conference (ICMV 2016)** organized in Nice-France.
- ❖ October 2015 participation in the **13th International Conference on Advanced Concepts for Intelligent Vision Systems (ACIVS)** organized in Catania-Italy.
- ❖ December 2015 **25th Wimta’2015 (Workshop on Intelligent Machines Theory & Applications 2015)**, organized by REGIM-Lab Research Groups on Intelligent Machines, *Mahdia, Tunisia*.
- ❖ March 2015 **24th Wimta’2015 (Workshop on Intelligent Machines Theory & Applications 2015)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *Hammamet, Tunisia*.

- ❖ December 2014 **23th Wimta'2014 (Workshop on Intelligent Machines Theory & Applications 2014)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *El Ksar Hotel, Sousse, Tunisia*.
- ❖ March 2014 **22th Wimta'2014 (Workshop on Intelligent Machines Theory & Applications 2014)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *El Ksar Hotel, Sousse, Tunisia*.
- ❖ December 2013 **21th Wimta'2013 (Workshop on Intelligent Machines Theory & Applications 2013)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *Hotel Riadh Palms, Sousse, Tunisia*.
- ❖ May 2013 **20th Wimta'2013 (Workshop on Intelligent Machines Theory & Applications 2013)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *El Mouradi Palace Hotel, Sousse, Tunisia*.
- ❖ October 2013 participation in an **English training at Bourghiba school** Gafsa Level: 3.
- ❖ March 2012 participation in the **16th IEEE Mediterranean Electrotechnical Conference (MELECON)** organized in Yasmine Hammamet-Tunisia.
- ❖ December 2012 **19th Wimta'2012 (Workshop on Intelligent Machines Theory & Applications 2012)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *El Mouradi Skanes, Monastir, Tunisia*.
- ❖ March 2012 **18th Wimta'2012 (Workshop on Intelligent Machines Theory & Applications 2012)**, organized by REGIM-Lab: Research Groups on Intelligent Machines, *Marhaba Palace, Sousse, Tunisia*.

Teaching experience

Since 2023

- ✓ Assistant professor in computer science at the Faculty of Sciences of Gafsa
 - **Hourly charge:** .9h / week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Web Design, software engineering, Data mining, 2D,3D Mesh.

2022-2023

- ✓ Teacher in computer science at the Faculty of Sciences of Gafsa, **(FSG)**, Tunisia.
 - **Hourly charge:** .10h / week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Multimedia technique, Web Design, Indexing Technique and Multimedia Research, Compilation techniques, 2D,3D Mesh.
- ✓ Teacher in computer science at the private high school for engineers in Gafsa, **(ESIP)**, Tunisia.
 - **Hourly charge :** 12h/ week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Language theory and compilation, Graph Algorithmic and Optimization, Algorithmic Data Structure and Language C, Game Design, Programming Project, Development and Design Project, Development Project for Distributed Application, Programming work shopI, Development of advanced web applications, Interactive Decision Support System.

2021-2022

- ✓ Teacher in computer science at the private high school for engineers in Gafsa, **(ESIP)**, Tunisia.
 - **Hourly charge :** annual
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Language theory and compilation, Graph Algorithmic and Optimization, Algorithmic Data Structure and Language C, Game Design, Programming Project, Development and Design Project, Development Project for Distributed Application, Programming work shopI, Development of advanced web applications, Interactive Decision Support System.
- ✓ Teacher in computer science at the Faculty of Sciences of Gafsa, **(FSG)**, Tunisia.
 - **Hourly charge:** .13h / week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Multimedia technique, Web Design, Indexing Technique and Multimedia Research, Compilation techniques, 2D,3D Mesh.

2020-2021

- ✓ Contractual assistant teacher in computer science in Faculty of Sciences of Gafsa **(FSG)**, Tunisia.
 - **Hourly charge:** annual
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Multimedia technique, Operating System1, Algorithm1, Web Design, Indexing Technique and Multimedia Research, Compilation techniques.
- ✓ Teacher in computer science in the private high school for engineers in Gafsa, **(ESIP)**, Tunisia.
 - **Hourly charge:** annual
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Database Management System, Graph Algorithmic and Optimization, Algorithmic Data Structure and Language C, Database Design, Software Engineering, Distributed Database, Game Design, Programming Project, Development and Design Project , Development Project for Distributed Application

2019-2020

- ✓ Teacher in computer science in the private high school for engineers in Gafsa, **(ESIP)**,
 - **Hourly charge:** annual
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Database Management System, Graph Algorithmic and Optimization, Algorithmic Data Structure and Language C, Database Design, Software Engineering, Distributed Database, Game Design, Programming Project, Development and Design Project , Development Project for Distributed Application

2017-2018

- ✓ Contractual assistant teacher in computer science in the private high school for engineers in Gafsa**(ESIP)**, Tunisia.
 - **Hourly charge:** annual contract
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Database Management System, Graph Algorithmic and Optimization, Algorithmic Data Structure and Language C, Database Design, Software Engineering, Distributed Database, Game Design, Programming Project, Development and Design Project, Development Project for Distributed Application
- ✓ Teacher in computer science in Faculty of Sciences of Gafsa, **(FSG)**, Tunisia.
 - **Hourly charge:** .7.5h / week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Programming Workshop2, Object Oriented Design Workshop.

2016-2017

- ✓ Assistant teacher in computer science in the private high school for engineers in Gafsa**(ESIP)**, Tunisia
 - **Hourly charge:** 7.5h / week
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Database Management System, Graph Algorithmic and Optimization, Programming Project

2011-2015

- ✓ Contractual assistant teacher in computer science, Higher Institute of Business Administration in Gafsa **(ISEAG)**. Tunisia.
 - **Hourly charge:** annual contract
 - **Tasks:** Teaching and supervision of graduation projects
 - **Subjects taught:** Logic System, Electronic Data Interchange and E-Commerce, 2D,3D Mesh and visualization, Industrial Vision, Sound technique, Photoshop, Basic concept.

Project - Coaching

- ❖ Taieb nadia and bourokba zohra: "**Learning of the wavelet network: 3D objects modeling application** ", 2011-2012 demic year.
- ❖ Abidi dhekra : "**Design and implementation of a video game web application**", 2012-2013 academic year.
- ❖ Haji salima and hafsaoui wafa "**Creation of an interactive CD for the preparation phase 5/6 years**" academic year 2012-2013.
- ❖ Barhoumi wafa "Chak-Wak virtual tour with panoramic view" 2012-2013 academic year".
- ❖ Slimen marwa and benabdallah fatma "**Development of a cartoon with 3DsMax**" 2012-2013 academic year".

- ❖ Ben Ali Rihem and Zidani Aziza "**Development of video games on a Windows phone platform**" 2012-2013 academic year"
- ❖ Etoumi Marwa and Hamad Fatma "**Design and development of a dynamic online investment website**" 2013-2014 academic year".
- ❖ Issaoui Nesserine "**Advertising tape for the phosphate company of Gafsa**" 2014-2015 academic year.
- ❖ Thlajia Houssine "**Design and implementation of a student absence management application**" 2014-2015 academic year".
- ❖ Mohamed Hedi Abed & Abed Nouh: "**Design and development of an e-commerce site**" **BOOKSTORE** " academic year 2016-2017.
- ❖ Hamdi Maher: "**Design and development of a WEB FLOW PROJECT application for INNOVATIVE SPIRIT project management**" 2016-2017 academic year.
- ❖ Oumaima Chaabani & khawla Say: "**Design and implementation of a web application for the management of operational training of YAZAKI GAFSA employees**".
- ❖ Ali amara & Hamza essid: "**Management of an administrative system of the organization of educational institutions**"
- ❖ Ferdaws othmani & mohamed ghennich: "**Realization of an onboard system of remote management and control of a water well controlled by an Android application**"
- ❖ Ala dhahri & Lamjed elghorz: «**Design and development of a mobile application of pharmacies and drugs research**»
- ❖ Rathia Bouallegue: «**Web application: Management of the law firm**»
- ❖ Marwaan Elkefi: «**Design and production of a Heatmaps and Visitor Recordings platform**»
- ❖ Tarek Dhibi: «**Development of an advanced search integration tool in the Open Bee Search solution**»
- ❖ Taieb amari: «**Design and creation of an e-commerce website with new technologies**»
- ❖ Lamjed thabet et Nizar Ouhibi : «**Conception Et Développement d'une Application de Gestion des Ressource Humaine pour Sonede Gafsa**»
- ❖ Soufienne Rich : «**Conception et développement d'une application web pour la gestion des données multimédias**»
- ❖ Rabeb Boussaha:« **Conception et développement d'une plateforme de vente en ligne de produit fait à la main**»
- ❖ Haythem Boudhina:« **Conception et développement d'une application de gestion des fleuristes et des produits Flowerly**»
- ❖ Iheb ghanmi et Amin Hajlaoui:« **Développement et intégration d'un annuaire des web services REST avec une couche d'administration et de monitoring de consommation des web services**»
- ❖ Yesser Jammali:«**Optimisation de la consommation d'énergie d'une station de pompage**»
- ❖ Rania Abdallah: «**Conception et développement d'une application mobile pour un projet d'électrification**»
- ❖ Anter Aouled Elhaj:«**Conception et développement d'une application web de gestion de recouvrement**»
- ❖ Afdhal Jihen et Hajji Nawel : «**Réalisation d'une maison intelligente à base d'Arduino**»
- ❖ Ferjeni Abir : «**Conception et réalisation d'un système de gestion des agences de voyages**»

- ❖ Ellouze Aycha et Amal Jadlaoui : «**Conception et développement d'un site E-commerce pour la gestion des services de la société ALPHACOM**»
- ❖ Aymen Ajmi : « **Application de gestion de fond pour la poste tunisienne**

Languages

Arabic

Frensh

English

Other interests

Entertainment

Internet

