Curriculum vitae

Personnel information

Last name First Name	**Ghorbel Faouzi**
Address (es)	ENSI, Campus universitaire La Manouba, 2010, La Manouba, Tunisie
Phone (s)	Cellphone 21623322823
Email	Faouzi.ghorbel@ensi.rnu.tn
Nationality	Tunisian

Skills domains

- Machine Learning (from statistical to Deep learning), Riemann Computation, Statistical and Morphing Shape, Data science

- Pattern Recognition: geometric approaches, Statistical Pattern recognition (estimation and classification, dimensional reduction)

- Computer vision, 2D, 2,5D, 3D, 4D, Colour, texture and hyperspectral images representation

- Medical Imaging, Archaeological Imaging, Encoding and Indexing of Images by Content, - Telecommunications and Biometrics (Facial Recognition)

- Probability, statistic, stochastic process, Time series and financial application

- Mathematics and Applications

Professional experiences

- Full Professor at School of Computer Sciences of Tunisia (ENSI) from September 1996.

- Associate professor at Telecom Sud Paris - Institute of Mines and Telecommunications of France from Mars 1991 to 1997

- Director of Laboratory CRISTAL of School of Computer Sciences of Tunisia (ENSI) since 2007 (around 130 researchers)

- Dean of the School of Computer Sciences of Tunisia (ENSI) from May 2014 to January 2018.

- Director of Research at the Telecommunications Research Center (Tunisian Ministry of Telecommunications, Tunisia from 1998 to 2001, seconded from Higher Education and Scientific Research (Tunisia).

- Head and founder of the Research Group Images and Forms of Tunisia (GRIFT) ENSI (a sixty researchers) (since 1997)

- Head and founder of the Research Group of Images and Forms (GRIF) (about twenty researchers) of the National Institute of Telecommunications (INT) seconded to Telecom Lille 1 from 1991 to 1997

Research Contract Manager	- Responsible for National Institute of Telecommunication of France (INT) / Coding Technology for Teleworking, France
	- Responsible for the France Telecom Research Center (CCETT-CNET department) / INT-Telecom Lille (actually IMT Lille Douais), research contract on shape descriptors for low bit rate coding within the framework of the future standard (MPEG4), France 1995-1999.
	- Responsible for the CNET Paris B / ENIC-INT research contract carrying the fractal image coding by the application of Bootstrap sampling, falling within the framework of the future standard (MPEG4) (1996-1997)
	- Responsible scientist of the CERT program contract with 3 research projects (1998-2001).
Research Agreements Officer	- Coordinator of PRF PROFILER for the fight against terrorism, 2016-2020 period.
	- Responsible for the CMCU convention, ENSI, Ecole Centrale de Lyon, ENI Sfax and IMT Lille Douai on facial recognition with the 3D approach 2016-2017-2018.
	-Responsible for the CMCU ENSTB-ENSI-CHU convention Charles Nicolles, ENIT, Sup'Com - University Paris V, dealing with the analysis and medical image processing for diagnostic aid in Tunisia 2000-2008.
	- Responsible for the STIC INRIA-CERT ENSI convention on image indexing by content. 1998-2001
	- Responsible for several theses in the framework of the Mobidoc program (7 of which 3 supported) with companies (Talan, Financial Axes, CERT, Tunisian Post ...)
Animation and outreach activities	- Founder and co-chair of the 10 editions of the Treatment and Analysis of Information Methods and Applications workshops (TAIMA'99, TAIMA'01, TAIMA'03, TAIMA'05, Taima'07, TAIMA'09, TAIMA'11, TAIMA '13, TAIMA'15, TAIMA'18, TAIMA'20 in preparation).
	- Associate editor of the scientific journal Image and Signal Processing (Lavoisier edition) since 2014.
	- Founder and Co-Chair of the seven sessions of the International Congress Representation, Analysis and Recognition of Shape and Motion FroM Imaging data (RFMI-Elsevier)
	- Member of the Board of Directors of the scientific association GRETSI in France.
	- Founder and President of the six sessions of the PHARES Work Shop (Random Phenomena in the Representation of Signals and Images)
	- President and founder of the scientific association ARTSPI (ART of Sciences by Image), since 2004. It has more than a hundred members.
	- Member of the office of the sup telecom association of France in Tunisia in charge of cooperation (it has more than 150 members).
	-Scientific advisor to France Telecom Research and Development (FT R & D) year 2000
Doctoral supervision activities	40 PhD dissertations supported: 10 in France and 30 in Tunisia (See appendix 1 for the list)
	Thesis under supervision 10

Publications	- More than fifteen papers published in international journals such as: Pattern recognition, Pattern Recognition Letters, Signal Processing, Signal processing: Image communication, Computer Vision and image understanding, Journal of Real Time, IRBM, Annals of Telecommunications, Signal Processing: Lavoisier, Applied Stochastic Models and Data Analysis by John Wiley & Sons, Ltd., EURASIP Journal on Wireless Communications and Networking….. (See the appendix 2 for a non-exhaustive list) - More than two hundred papers in international conferences (ICIP, ICASSP, ICPR, GRETSI, VISAP, TAIMA, RFIA, RFMI-Elsevier, VISAGRAP, IRBM Elsevier ... ° See appendix 3 for a non-exhaustive list) - Writing two research books including an individual - Edition of several collective books, conference proceedings, several special issues of scientific journals.
Visiting professor at the following institutions:	
	- The National Telecommunications School of Brittany (currently IMT Atlantic France) May and June 1996
	-- The Marseille Central School (the Ecole Centrale of Marseille France) December 2006-January 2007
	- The Lille Telecommunications School (currently IMT Lille-Douais France) June-July 2010
	- Lyon Central School (The Ecole Centrale of Marseille France), May-June 2017
	- The University of Poitiers at Laboratory XLIM-Poitiers France, March-April 2019