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CURRICULUM VITAE



▼ BIOGRAPHY

Chokri BEN AMAR received the B.S. degree in Electrical Engineering from the National Engineering School of Sfax (ENIS) in 1989, the M.S. and PhD degrees in Computer Engineering from the National Institute of Applied Sciences in Lyon, France, in 1990 and 1994, respectively. He spent one year at the University of "Haute Savoie" (France) as a teaching assistant and researcher before joining the higher School of Sciences and Techniques of Tunis as Assistant Professor in 1995. In 1999, he joined the Sfax University (USS), where he is currently an associate professor in the Department of Electrical Engineering of the National Engineering School of Sfax (ENIS), and the Vice director of the **RE**search **G**roup on **I**ntelligent **M**achines (REGIM). His research interests include Computer Vision and Image and video analysis. These research activities are centered on Wavelets and Wavelet networks and their applications to data Classification and approximation, Pattern Recognition and image and video coding, indexing and watermarking. He is a senior member of IEEE, and the chair of the IEEE SPS Tunisia Chapter since 2009. He was the chair of the Workshop on Intelligent Machines: Theories & Applications (WIMTA 2008) and the chairman of the organizing committees of the "Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA 2009)" conference, International Conference on Machine Intelligence ACIDCA-ICMI'2005 and International Conference on Signals, Circuits and Systems SCS'2004.

▼ ACADEMIC CREDENTIALS

HDR (Habilitation) Computer Engineering December 2005	National Engineering School of Sfax, Tunisia Major field: Computer vision, image and video analysis Minor Field: Intelligent processing and analysis of multimedia documents Dissertation Title: "Les ondelettes Bêta : théorie et applications"
Ph.D (Thèse) in Computer Engineering December 1994	National Institute of Applied Sciences, Lyon, FRANCE Major field: Computer Vision Minor Field: Camera Modeling for CAD Robotic Systems Dissertation Title: "Modélisation et placement automatique de capteurs de vision. Intégration d'un module-vision dans un système de CAO-Robotique"
Master of Science (D.E.A) in Computer Engineering October 1990	National Institute of Applied Sciences, Lyon, FRANCE Major field: Computer Vision Minor Field: Image Based Dimensional Control Systems Dissertation Title: "Programmation Hors-ligne : application au contrôle dimensionnel"
Bachelor Degree (Ingénieur) Electrical Engineering October 1989	National Engineering School of Sfax, Tunisia Major Field: Electrical Engineering Minor Field: Industrial Computing Dissertation Title: "Etude et réalisation d'un système de contrôle des feux de circulation par microprocesseur"

▼ PROFESSIONAL EXPERIENCE

- Associate Professor since 2006	National Engineering School of Sfax, Tunisia <ul style="list-style-type: none">• Taught courses in<ul style="list-style-type: none">○ Computer Vision○ UNIX Support and Administration○ Vision Systems○ Robotic-Vision○ Image processing○ Signal processing
- Assistant Professor 1999 – 2006	National Engineering School of Sfax, Tunisia <ul style="list-style-type: none">• Taught courses in<ul style="list-style-type: none">○ C language programming○ Network Support, Interconnecting and Administration○ Linux (Support and administration)○ Signal Processing○ Image Processing○ Robotics○ Computer vision• Directed graduate research projects.• Directed undergraduate end of studies projects.

- Assistant Professor
1995 – 1999

**High Institute of Science and Techniques (Ecole Supérieure
des Sciences et Techniques de Tunis)**

- Taught courses in
 - System Control
 - Robotics
 - Signal Processing
 - Image Processing
 - and C language programming
- Directed graduate research projects.
- Directed undergraduate projects of end studies.

- Teaching Assistant
1994 – 1995

University of Haute Savoie, I.U.T d'Annecy, France

- Taught courses in Analogical and Digital Electronics.

▼ RESEARCH ACTIVITIES

Key Words

Image processing, wavelet analysis, neural networks, wavelet networks, image coding, video coding, multiresolution 3D mesh coding, video watermarking, audio watermarking, image indexing, face detection, face recognition, image classification, data approximation, motion estimation, multimodal signals, emotion annotation, Knowledge extraction, video learning.

Current Research Interest

- 1D, 2D and 3D approximation
- Geometry coding of 3D static multiresolution surface meshes
- Lattice vector quantization for image indexing
- Image classification using wavelet networks
- 3D face recognition using depth images and wavelet networks
- Knowledge extraction and automatic learning in videos
- Emotion detection, extraction and annotation.
- Blind audio watermarking using wavelet networks and Psychoacoustic Model
- Mosaic images and shadow detection for video watermarking
- Wavelet networks for key insertion and detection in videos

Thesis - Supervisor of 15 Doctoral Thesis

Former PHD students (supervised or co-supervised)

- **Mourad ZAIED**, Etude des réseaux d'Ondelettes Bêta: application à la reconnaissance de visage, (February **2008**).
- **Wajdi BELLIL**, Multi-library Beta Wavelet Networks Approximation: Application to Filter Synthesis and Image Analysis, (October **2009**).
- **Olfa JEMAI**, Apprentissage automatique des réseaux d'ondelettes : Application à la classification d'images, (March **2010**).
- **Maher ELARBI**, A Wavelet Domain Video Watermarking Approach, (November **2010**)

- **Mohamed KOUBAA**, Tatouage Robuste de la Vidéo Basé sur la Notion des Régions d'Intérêt, Co-supervised thesis with Pr. Henri NICOALS from Labri Laboratory in Bordeaux1 University, (November 2010)
- **Mahmoud MEJDOUB**, Indexation Sémantique des images basée sur la quantification vectorielle des réseaux de points réguliers, Co-supervised thesis with Pr. Marc ANTONINI from I3S Laboratory in Sophia Antipolis University, (December 2010)

PHD students doing research under my supervision (supervised or co-supervised)

- **Sameh MEGRHI KHANFIR**, Extraction Multimodale et Indexation de Documents Multimédia (since September 2010. "Cotutelle" CMCU Grant, in collaboration with professor Wided MSEDDE SOUIDENE of L2TI laboratory University of PARIS 13).
- **Imen TAYARI**, Représentation, annotation et détection des émotions dans les signaux multimodaux (since October 2008. "Cotutelle" Averroes Grant, in collaboration with professor Nhan LE THANH of I3S laboratory Nice France).
- **Wael BEN SOLTANA**, Optimisation de la fusion forme et texture pour la reconnaissance 2D/3D de visages (since October 2008. "Co-direction" MENRT grant, in collaboration with professor Liming CHEN of LIRIS laboratory Lyon France).
- **Najib BENAOUN**, Apprentissage intelligent pour le suivi d'objets et l'analyse de la vidéo (since October 2008).
- **Maha CHARFEDDINE**, Etude et Exploitation du modèle psychoacoustique dans une application de tatouage Audio (since October 2007).
- **Salwa SAID**, Etude et exploitation des courbes géodésiques pour la reconnaissance de visages 3D (since October 2007. "Cotutelle" CMCU Grant, in collaboration with professor Mohamed DAOUDI of LIFL laboratory Lille France).
- **Mohamed OTHMANI**, Etude et Mise en place d'une bibliothèque adaptative de réseaux d'ondelettes Bêta pour une application de classification d'objets 3D (since October 2006).
- **Anis MEFTEH**, Compression et codage scalable d'objets 3D pour leur visualisation et manipulation sur des systèmes hétérogènes (since October 2006. "Co-direction" Region PACA/CNRS grant, in collaboration with professor Marc ANTONINI of I3S laboratory Nice France).
- **Akram ELKEFI**, Compression de maillages 3D par transformée en ondelettes géométriques (since October 2004. "Cotutelle" AUF Grant, in collaboration with professor Marc ANTONINI of I3S laboratory Nice France).

▼ PUBLICATIONS

MASTER, PHD AND HABILITATION

- **C. BEN AMAR**, "Ondelettes et réseaux d'ondelettes Bêta : fondement et applications", **HDR**, ENI de Sfax, Tunisie, December 15, **2005**.
- **C. BEN AMAR**, "Modélisation et placement automatique de capteurs de vision. Intégration d'un module-vision dans un système de CAO-Robotique", **PHD**, INSA de Lyon, France, December **1994**.
- **C. BEN AMAR**, "Programmation Hors-ligne : application au contrôle dimensionnel", **DEA**, INSA de Lyon, France, October 20, **1990**.

CHAPTER BOOKS (1 published)

- W. BELLIL, M. OTHMANI, **C. BEN AMAR** and M. A. ALIMI, A New Algorithm for Initialization and Training of Beta Multi-Library Wavelets Neural Network. In **Advances in Robotics, Automation and Control**, I-Tech Education and Publishing, edited by Jesus Aramburo and Antonio Ramirez Trevino, October 2008, pp. 199-220.

PAPERS IN REFEREED JOURNALS (19 published, 2 in press, 2 submitted)

2011 (5 publications)	
Submitted	M. ZAIED, C. BEN AMAR and M. A. ALIMI, PRFWN: An Architecture of Fast Wavelet Networks for Pattern Recognition, submitted to IEEE Transactions on SYSTEMS, MANS and CYBERNETICS, PART B: CYBERNETICS, 2011.
Submitted	R. EJBALI, M. ZAIED and C. BEN AMAR , Multi-input multi-output Beta wavelet network: modeling of acoustic units for speech recognition, submitted to Speech Communication Journal, 2011.
22	M. ZAIED, S. SAID, Olfa JEMAI, and C. BEN AMAR , A novel approach for face recognition based on fast learning algorithm and wavelet network theory, to appear in the IJWMIP International Journal of Wavelets, Multiresolution and Information Processing , DOI No: 10.1142/S0219691311004389, 2011.
21	A. MEKAOUAR, H. T. REDARCE et C. BEN AMAR , Vers l'asservissement visuel de l'embout d'un coloscope, à paraître dans le journal JESA "Journal Européen des Systèmes Automatisés" , 2011.
20	O. JEMAI, M. ZAIED, C. BEN AMAR and M. A. ALIMI, Faster Learning Algorithm of Wavelet Network Based on Fast Wavelet Transform, to appear in the International Journal of Pattern Recognition and Artificial Intelligence , IJPRAI , 2011.
19	M. OTHMANI, W. BELLIL, C. BEN AMAR and M. A. ALIMI, A novel approach for high dimension 3D object representation using Multi-Mother Wavelet Network, International Journal "MULTIMEDIA TOOLS AND APPLICATIONS" , MTAP , Springer Netherlands, ISSN 1380-7501, pp. 1-18, 2011.

18	O. JEMAI, M. ZAIED, C. BEN AMAR and M. A. ALIMI, Pyramidal Hybrid Approach : Wavelet Network with OLS Algorithm Based-Image Classification, International Journal of Wavelets, Multiresolution and Information Processing, IJWMIP , Vol. 9, No. 1, pp. 111-130, 2011.
2010 (5 publications)	
17	R. EJBALI · M. ZAIED and C. BEN AMAR , Wavelet network for recognition system of Arabic word, International Journal of Speech Technology , Springer Netherlands, ISSN 1381-2416, Vol. 13, No. 3, pp. 163-174, 2011.
16	M. KOUBAA, C. BEN AMAR and H. NICHOLAS, Collusion, MPEG4 compression and frame dropping resistant video watermarking, International Journal "MULTIMEDIA TOOLS AND APPLICATIONS", MTAP , Special Issue on: Intelligent Interactive Multimedia Systems and Services, Springer Netherlands, ISSN 1380-7501, pp. 1-21, 2010.
15	M. EL'ARBI, M. KOUBAA, M. CHARFEDDINE and C. BEN AMAR , A Dynamic Video Watermarking Algorithm in Fast Motion Areas in the Wavelet Domain, International Journal "MULTIMEDIA TOOLS AND APPLICATIONS", MTAP , Springer, ISSN 1380-7501, pp. 1-22, 2010.
14	M. OTHMANI, W. BELLIL, C. BEN AMAR and M. A. ALIMI, A New Structure and Training Procedure for Multi-Mother Wavelet Networks, International Journal of Wavelets, Multiresolution and Information Processing, IJWMIP , vol. 8, issue 1, pp. 149-175, 2010.
13	M. EL'ARBI, M. KOUBAA and C. BEN AMAR , A Wavelet Networks Approach for Image Watermarking, International Journal of Computational Intelligence and Information Security, IJCIIS , vol. 1, No. 1, pp. 34-43, January 2010.
2009 (1 publication)	
12	M. MEJDOUB, L. FONTELES, C. BEN AMAR and M. ANTONINI, Embedded lattices tree: An efficient indexing scheme for content based retrieval on image databases, Journal of Visual Communication and Image Representation, JVCi (20), No. 2, pp. 145-156, February 2009.
2007 (2 publications)	
11	W. BELLIL, C. BEN AMAR and M. A. ALIMI, Multi Library Wavelet Neural Network for lossless image compression, International REview on COmputers and Software , Vol. 2, N°. 5, ISSN 1828-6003, pp 520-526, September 2007.
10	C. BEN AMAR and O. JEMAI, Wavelet Networks Approach-based Image Compression, ICGST International Journal on Graphics, Vision and Image Processing, GVI P Special Issue on Image Compression, pp. 15-23, 2007.
2006 (3 publications)	
9	H. CHETTAOUI, G. THOMANN, C. BEN AMAR and T. REDARCE, A new Gray-Level Picture Thresholding method for colonoscopic navigation, Special issue on Medical Image Computer Assisted Intervention, (MICCAI) , Insight

	Journal, pp. 1-11, 2006.
8	C. BEN AMAR , W. BELLIL and A. ALIMI, Beta Functions and Their Derivatives: a New Wavelet Family, Transactions On Systems Signals & Devices, Shaker Verlag Edition, Vol. 1, N°. 3, pp. 275-293, ISSN: 1861-5252, 2006
7	W. BELLIL, C. BEN AMAR and M. A. ALIMI, Comparison between beta Wavelets neural networks, RBF neural networks and polynomial approximation for 1D, 2D functions approximation, Transactions on Engineering, Computation and Technology, vol. 13, ISSN 1305-5313, pp 102-107, 2006.
6	C. BEN AMAR , M. ZAIED and M. A. ALIMI, Beta Wavelets. Synthesis and application to lossy image compression, Journal of Advances in Engineering Software", Elsevier edition, Vol.36, N°7, pp. 459-474, July 2005.
5	M. ZAIED, C. BEN AMAR and M. A. ALIMI, Beta Wavelet Networks for Face Recognition, Journal of Decision Systems, Lavoisier 2005 Edition, Vol. 14, N°. 1-2/2005, pp. 109-122, 2005.
4	T. REDARCE, Y. LUCAS, C. BEN AMAR and S. PERRIN, An Integrated Approach for Programming Vision Inspection Cells. International Journal off Computer Integrated Manufacturing, Vol.8, N°4, pp. 298-311, 1995.
3	C. BEN AMAR , S. PERRIN and T. REDARCE, Programmation et animation d'un poste virtuel de contrôle vision. Revue d'Automatique et de Productique Appliqués. Edition HERMES. Vol.7, N°3, pp.297-316, 1994.
2	C. BEN AMAR , M. MARTINEZ, T. REDARCE and J. FAVREL, Coopération Vision-CFAO dans un Cadre d'Intégration. Revue internationale de CFAO et d'infographie. Edition HERMES. Vol.9, N°5, pp.685-693, 1994.
1	C. BEN AMAR , T. REDARCE, Y. LUCAS and A. JUTARD, Off-Line Programming and Dimensional Control. Manufacturing Systems. Vol.21, N°4, pp.247-251, 1992.

PAPERS OF CONFERENCES (84 published, 3 to be published, 1 submitted)

2011 (12 publications)	
Submitted	M. A. BORGI, S. SAID, B. BEN AMOR and C. BEN AMAR , Information Fusion and 3D Face Recognition, submitted to International Joint Conference on Biometrics (IJCB 2011), Washington, October 11-13, 2011.
87	W. BEN SOLTANA, M. ARDABILIAN, L. CHEN and C. BEN AMAR , A mixture of Gated Experts Optimized using Simulated Annealing for 3D Face Recognition, to appear in the IEEE International Conference on Image Processing – ICIP'2011, Belgium, November 11-14, 2011.
86	N. CHERIF, R. EJBALI, M. ZAIED and C. BEN AMAR , <i>Identification de thème dans une vidéo en se basant sur un système de reconnaissance de la parole, à publier pendant les 6èmes Ateliers de Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA'2011)</i> , Hammamet Tunisie, 3-8 Octobre, 2011.
85	N. BEN AOUN, H. ELGHAZEL, M. H. SAID and C. BEN AMAR , Graph aggregation based image modeling and indexing for video annotation, accepted for publication in the 14th International Conference on Computer Analysis of Images and Pattern (CAIP'2011), Seville Spain, Aug 29-31, 2011.
84	M. A. BORGI, S. SAID, B. BEN AMOR and C. BEN AMAR , Information Fusion by Multi Matcher for 3D Face Recognition, IEEE 2011 3rd International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore, pp. v2-338-343, February 26-28, 2011.
83	B. GUEDRI, M. ZAIED and C. BEN AMAR , Indexing and images retrieval by content, IEEE 2011 International Conference on High Performance Computing & Simulation (HPCS'2011), Istanbul Turkey, pp. 369-375, July 4-8, 2011.
82	I. T. MEFTAH, N. L. THANH and C. BEN AMAR , <i>Sharing Emotional Information Using A Three Layer Model</i> , <i>Sixth International Conference on Internet and Web Applications and Services (ICIW 2011)</i> , St. Maarten, The Netherlands Antilles, pp. 130-135, March 20-25, 2011.
81	M. ELARBI, M. CHARFEDDINE, S. MASMOUDI, M. KOUBAA and C. BEN AMAR , Video Watermarking Algorithm with BCH Error Correcting Codes Hidden in Audio Channel, IEEE Symposium Series in Computational Intelligence 2011 - CICS - 2011 IEEE Symposium on Computational Intelligence in Cyber Security, pp. 164-170, April 11-15, 2011 - Paris, France
80	A. BEN HAMIDA, M. KOUBAA, C. BEN AMAR and H. NICOLAS, Hierarchical Traceability Of Multimedia Files, IEEE Symposium Series in Computational Intelligence 2011 - CICS - 2011 IEEE Symposium on Computational Intelligence in Cyber Security, pp. 108-113, April 11-15, 2011 - Paris, France.
79	A. EL ADEL, M. ZAIED and C. BEN AMAR , Learning wavelet networks based on Multiresolution analysis: Application to images copy detection, 2011 International Conference on Communications, Computing and Control Applications (CCCA'2011), Hammamet-Tunisia, March 3-5, 2011.

78	S. SAID, M. A. BORGI, B. BEN AMOR and C. BEN AMAR , 3D Face Recognition Using Multimatcher Approach, 8th International Conference on Systems, Signals and Devices (SSD'2011), Sousse-Tunisia, March 22-25, 2011.
77	N. BEN AOUN, H. ELGHAZEL and C. BEN AMAR , Graph modeling based video event detection, 7th International Conference on Innovations in Information Technology (ICIIT'2011), Abu Dhabi United Arab Emirates, pp. 114-117, April 25-27, 2011.
76	M. MEJDOUB and C. BEN AMAR , Hierarchical categorization tree based on a combined unsupervised-supervised classification, 7th International Conference on Innovations in Information Technology (ICIIT'2011), Abu Dhabi United Arab Emirates, pp. 118-123, April 25-27, 2011.
2010 (16 publications)	
75	N. BEN AOUN, M. ELARBI and C. BEN AMAR , "Multiresolution motion estimation and compensation for video coding", Proc. 10th IEEE International Conference on Signal Processing (ICSP'2010), Vol.2, pp. 1121-1124, 2010
74	S. MASMOUDI, M. CHARFEDDINE and C. BEN AMAR , A Robust Audio Watermarking Technique Based on the Perceptual Evaluation of Audio Quality Algorithm in the Multiresolution Domain, 10th IEEE International Symposium on Signal Processing and Information Technology (ISSPIT'2010), Luxor EGYPT, pp. 326-331, December 15-18, 2010.
73	A. WALI, N. BEN AOUN, H. KARRAY, C. BEN AMAR and A. M. ALIMI: A New System for Event Detection from Video Surveillance Sequences. Advanced Concepts for Intelligent Vision Systems (ACIVS), Lecture Notes in Computer Science, 2010, Volume 6475/2010, pp. 110-120.
72	M. CHIHAOUI, W. BELLIL and C. BEN AMAR , Multi Mother Wavelet Neural Network based on Genetic Algorithm for 1D and 2D Functions' Approximation, IJCCI 2010, 2 nd International Joint Conference on Computational Intelligence, ICNC International Conference on Neural Computation, Valencia Spain, pp. 429-434, October 24-26, 2010.
71	M. OTHMANI and C. BEN AMAR , A high dimension 3D object representation using Multi-Mother Wavelet Network, ISIVC'2010 IEEE International Symposium on Image/video Communications over fixed and mobile networks, special session "Advanced approach on 3-D computer vision", Rabat Morocco, DOI 10.1109/ISVC.2010.5656177, October 1-2, 2010.
70	R. EJBALI, M. ZAIED and C. BEN AMAR , Intelligent approach to train wavelet networks for Recognition System of Arabic Words, KDIR 2010, International Conference on Knowledge Discovery and Information Retrieval, Valencia Spain, pp. 518-522, October 25-28, 2010.
69	O. JEMAI, M. ZAIED, C. BEN AMAR and M. A. ALIMI, FBWN: an architecture of Fast Beta Wavelet Networks for Image Classification, 2010 IEEE World Congress on Computational Intelligence, IJCNN 2010, International Joint Conference on Neural Networks, Barcelona, pp. 1953-1960, July 18-23, 2010.
68	I. T. MEFTAH, N. L. THANH, A. MEFTAH and C. BEN AMAR , A Three-Layer Model for Emotion Exchange, 11 th International Multisensory Research Forum (IMRF 2010) proceeding, Liverpool UK, June 16-19, 2010.

67	S. MASMOUDI, M. CHARFEDDINE and C. BEN AMAR , Two audio watermarking schemes using the least significant bit in the transform domains, 2nd IEEE International Workshop on Multimedia Computing and Communications (ICCCN 2010 MCC), Zurich Switzerland, August 2-5, 2010.
66	I. T. MEFTAH, N. L. THANH and C. BEN AMAR , Towards an algebraic modeling of emotional states, Fifth International Conference on Internet and Web Applications and Services (ICIW 2010), pp. 513-518, Barcelona Spain, May 9-15, 2010.
65	W. BEN SOLTANA, M. ARDABILIAN, L. CHEN and C. BEN AMAR , Adaptive Feature and Score Level Fusion Strategy Using Genetic Algorithms, 20th International Conference on Pattern Recognition, Istanbul Turkey, pp. 4316-4319, August 23-26, 2010.
64	M. CHARFEDDINE, M. ELARBI, M. KOUBAA and C. BEN AMAR , DCT Based Blind Audio Watermarking Scheme, IEEE International Conference on Signal Processing and Multimedia Applications (SIGMAP 2010) proceeding, Athens Greece, pp. 139-144, July 26-28, 2010.
63	W. BEN SOLTANA, M. ARDABILIAN, L. CHEN and C. BEN AMAR , Optimal fusion scheme selection framework based on genetic algorithms for multimodal face recognition, CORESA (COmpression et REprésentation des Signaux Audiovisuels) Conference, Lyon France, October 26-27, 2010.
62	M. OTHMANI, W. BELLIL and C. BEN AMAR , 3D Object Modeling using Multi-mother Wavelet Network, ACS/IEEE International Conference on Computer Systems and Applications proceeding, Hammamet Tunisia, 1-5. DOI=10.1109/AICCSA.2010.5586961, May 16-19, 2010.
61	W. BEN SOLTANA, Di HUANG, M. ARDABILIAN, L. CHEN and C. BEN AMAR , Comparison of 2D/3D Features and Their Adaptive Score Level Fusion for 3D Face Recognition, 5th International Symposium 3D Data Processing, Visualization and Transmission 3DPVT proceeding, Paris, France, May 17-20, 2010.
60	A. MEFTAH, M. ANTONINI and C. BEN AMAR , Lossless compression of 3D seismic data using a horizon displacement compensated 3D lifting scheme, Proceedings of the SPIE, Wavelet Applications in Industrial Processing VII, Vol. 7535, pp. 753503-1-8, San José, CA, USA, January 18, 2010.
2009 (9 publications)	
59	S. SAID, B. BEN AMOR, C. BEN AMAR and Mohamed DAOUDI, Fast and Efficient 3D Face Recognition using Wavelet Networks, IEEE International Conference on Image Processing – ICIW'2009, pp. 4153-4156, Cairo Egypt, November 7-11, 2009.
58	W. BEN SOLTANA, W. BELLIL, C. BEN AMAR and Mohamed Adel ALIMI, Multi Library Wavelet Neural Networks for 3D face recognition using 3D facial shape representation, 17th European Signal Processing Conference EUSIPCO'2009, pp. 55-59, Glasgow Scotland, August 24-28, 2009.
57	W. BEN SOLTANA, M. ARDABILIAN, L. CHEN et C. BEN AMAR , Une approche multimodale pour la reconnaissance du visage, inspirée d'une méthodologie anthropométrique, 6èmes Ateliers de Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA'2009), pp. 33-38.

	Hammamet Tunisie, 4-9 Mai, 2009.
56	M. OTHMANI et C. BEN AMAR , Approximation des objets 3D par réseaux d'ondelettes tridimensionnelles, 6èmes Ateliers de Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA'2009), pp. 207-213, Hammamet Tunisie, 4-9 Mai, 2009.
55	M. CHARFEDDINE, S. MASMOUDI, M. BELAAJ, et C. BEN AMAR , Un schéma aveugle de tatouage audio numérique opérant sur les bits les moins significatif dans le domaine fréquentiel utilisant un code correcteur d'erreurs, 6èmes Ateliers de Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA'2009), pp. 371-377, Hammamet Tunisie, 4-9 Mai, 2009.
54	S. SAID, B. BEN AMOR, M. ZAIED, C. BEN AMAR et M. DAOUDI, Vers une Reconnaissance Faciale 3D *Rapide Utilisant les Réseaux d'Ondelettes, 6èmes Ateliers de Traitement et Analyse de l'Information : Méthodes et Applications (TAIMA'2009), pp. 23-31, Hammamet Tunisie, 4-9 Mai, 2009.
53	A. MEKAOUAR, C. BEN AMAR and T. REDARCE, New Vision Based Navigation Clue for a Colonoscope's Tip, Visualization, Image-guided Procedures and Modeling, SPIE International Symposium on Medical Imaging, Vol. 10 (1), pp. 72611B1-9, Lake Buena Vista, United States, Feb. 7-12, 2009.
52	A. MEKAOUAR, T. REDARCE and C. BEN AMAR , Image-guided navigation strategy for colonoscopy, the 3rd International Symposium on Bio-and Medical Informatics and Cybernetics (BMIC), Orlando, United States, 10-13 July 2009.
51	B. AKROUT, I. K. KALLEL, C. BEN AMAR and B. BEN AMOR, A new scheme of signature extraction for iris authentication, Sixth IEEE International Multi-conference on Systems Signals & Devices SSD'2009, pp. 1-5, Djerba Tunisia, March 23-26, 2009.
2008 (4 publications)	
50	A. BOUKHRISS, O. JEMAI and C. BEN AMAR , Images encrypt-compression by Wavelets Networks, 4 th International Conference on Natural Computation – IEEE, ICNC'08, Jinan-China August 2008.
49	M. MEJDOUB, L. H. FONTELES, C. BEN AMAR and M. ANTONINI, Fast Indexing Method for image retrieval, using tree-structured Lattices, Content-Based Multimedia Indexing, 2008. CBMI 2008. pp. 365-372, London UK, 18-20 June 2008.
48	M. CHARFEDDINE, M. ELARBI and C. BEN AMAR , A blind audio watermarking scheme based on Neural Network and Psychoacoustic Model with Error correcting code in Wavelet Domain, IEEE International Symposium on Communications, Control and Signal Processing (ISCCSP 2008), pp. 1138-1143, Malta, March 2008.
47	M. ZAIED, O. JEMAI and C. BEN AMAR , Training of the Beta Wavelet Networks by the Frame Theory : Application to face Recognition, IEEE International Conference on Image Processing Theory, Tools & Applications, IPTA'2008, pp. 165-170, November 23-26, 2008, Sousse, Tunisia.
2007 (9 publications)	

46	M. KOUBAA, C. BEN AMAR and H. NICHOLAS, Adaptive Video Watermarking Using Mosaic Images, 2007 International Conference on Signal Processing and Communications, pp. 1143-1146, Dubai UAE, 24-27 Nov. 2007.
45	M. ELARBI, C. BEN AMAR and H. NICHOLAS, A Dynamic video watermarking scheme in the dwt domain, 2007 International Conference on Signal Processing and Communications, pp. 1131-1134, Dubai UAE, 24-27 November 2007.
44	M. MEJDOUB, L. H. FONTELES, C. BEN AMAR and M. ANTONINI, Fast algorithm for image database indexing based on lattices, Proceedings of European Signal Processing Conference (EUSIPCO), pp. 1799-1803, Poznan, September 2007.
43	W. BELLIL, M. OTHMANI and C. BEN AMAR , Initialization by Selection for Multi library Wavelet Neural Network Training, 3rd international workshop on Artificial Neural Networks and Intelligent Information Processing ANNIP 07, pp 30-37, Anger France, 2007.
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▼ LANGUAGES

- Arabic: mother tongue
- French: fluent spoken and written
- English: very good speaking, writing and reading ability

▼ ADDITIONAL INFORMATION

- I was the director of the National Engineering School of Sfax (ENIS) TUNISIA from February to July 2011.
- I was the director of studies and the vice director of ENIS from 2005 to 2011.
- I was nominated as invited professor for one month in 2010 at the I2S/PRISME Laboratory of Orleans-university.
- I'm a member of the national committee of certification since 2009.
- I'm the chair of the IEEE (Institute of Electrical and Electronics Engineers) SPS (Signal Processing Society) Tunisia Chapter (section 8) since January 2009.
- I was in the organizing and scientific committees of the TAIMA'2011 conference (6èmes Ateliers de Traitement et Analyse de l'Information: Méthodes et Applications) to be organized in Hammamat-Tunisia from 5 to 10 October, 2011.
- I'm IEEE senior member since 2008.
- I was nominated as invited professor for two months in 2009 at the LIRIS laboratory of Lyon2-university.
- I'm certified in LPIC-1 (Linux Professional Institute Certification Level 1) from Linux Professionnel Institute since may 2008.
- I'm nominated from the National Engineering School as the coordinator of the professional Masters TICE ("Technologies de l'Information et du Commerce Electronique") since 2005 and of LL ("Logiciels Libres") and SSI ("Sécurité des Systèmes Informatiques") since 2008.
- I was nominated as invited professor for one month in 2007 at the LIRIS laboratory of Lyon2-university.
- I was the chairman of the "Free Operating Systems and Softwares" Spring School organized in Gammarth-Tunisia from 21 to 25 March 2007.
- I was nominated as invited professor for two months in 2006 at LIESP laboratory of INSA de Lyon.
- I was the chairman of the WIMTA'2005 conference (forth Workshop on Intelligent Machines and Their Applications) organized in MONASTIR-Tunisia in March, 2005.
- I was the chairman of the Matlab Winter School organized in Tozeur-Tunisia from 26 to 30 December 2004.
- I'm involved in the Virtual University Project VCIEL (Visualisation et Conception

Infographiques En Ligne) supported by the AUF (Francophone University Agency) with the collaboration of university of Lyon2, University USTHB of Alger, university of Lyon1, University of Geneva, University of Lausanne EPFL, university of Sfax.

- I was in the scientific committee of the WIMTA'2004 conference (First Workshop on Intelligent Machines and Their Applications) organized in ENIS-Tunisia the 2004-07-06.

- I'm nominated from the higher ministry of education to participate with the consultative committee of the ministry of telecommunication and transport for the evaluation of some private projects in the field of innovation and Information Technology.

- I'm the supervisor of the technical committee for the maintenance of the local Area network at the National Engineering University of Sfax and for the internet activities.

- I'm the supervisor of the administrative committee involved in the elaboration of technical documents related to the computer machines, peripherals and pedagogical material specification and purchasing.

- I was the chairman of the organization committee of SCS'04 (Signaux, Circuits et Systèmes) conference held in Monastir-Tunisia from 18 to 21 March 2004.

- I was a member of the organization committee of SSD'03 (Signals Systems and Design) conference held in Sousse-Tunisia from 26 to 28 March 2003.

- I'm invited regularly (each year) for short research visits to the INSA (Institut National de Sciences Appliquées de Lyon-France) and I3S (Image, Signal and Systems Laboratory of Sophia Antipolis University) to supervise co-directed students.

- I was nominated as invited professor for five months at the multimedia laboratory LIM (Laboratoire d'Informatique et du Multimedia) of the Ecole Centrale de Lyon in France to teach image processing, supervise students, present six seminars (on Fundamental image pre-processing, image analysis, image segmentation, image compression, JPEG standard, JPEG2000 standard) and to prepare some collaboration projects.

- In the field of cooperation between the University of Sfax and the Lock Haven University of Pennsylvania (USA), I was selected to be with the first delegation who visited the Lock Haven University of Pennsylvania (USA) for six weeks (from 20 October to 30 November 2001) to have intensive courses on scientific English and Distance learning.

- Currently I co-direct the laboratory REGIM: REsearch Group on Intelligent Machines, University of Sfax, National School of Engineering, Department of Electrical Engineering, BP 1173, Sfax, 3038, Tunisia

- Frequent use of the computer