CURRICULUM VITAE

Mahmoud MEJDOUB, PHD
Assistant Professor

Nationality: Tunisian
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▼ BIOGRAPHY

Mahmoud MEJDOUB received the B. S. degree in Computer Engineering from the National Engineering School of Sfax **(ENIS)** in 2004, the M. S. in Novel Technologies for Computer Systems from the National Engineering School of Sfax **(ENIS)** in 2005 and the joint PhD degree (cotutelle) in Computer Science from the National Engineering School of Sfax **(ENIS)**, Tunisia and in Automatic, Signal and Image Processing from the University of Nice Sophia Antipolis **(UNSA)**, France, in 2010. In 2008, he joined the Sfax University, where he is currently an assistant professor at the faculty of sciences-Sfax (Tunisia) in the department of computer science and a research member in the Research Groups on Intelligent Machines (REGIM). His research interest focuses on Computer Vision and image as well as video recognition.

▼ ACADEMIC CREDENTIALS

Ph.D 2010	Joint PHD degree in:
	- Computer science from the National Engineering School of Sfax (**ENIS**), Tunisia
	- Automatic, Signal and Image Processing from the University of Nice Sophia Antipolis (**UNSA**), France.
	Field: Computer Vision
	Dissertation Title : "Image indexing based on lattice vector quantization"

Master's Degree in Novel Technologies for Computer Systems 2005	National Engineering School of Sfax **(ENIS)**, Tunisia. **Field:** Computer Vision **Dissertation Title :** "Image indexing based on low level feature combination"

Engineering Degree in Computer Engineering 2004	National Engineering School of Sfax **(ENIS)**, Tunisia. **Field:** Computer Vision **Dissertation Title :** "Image indexing based on Fourier descriptors"

▼ PROFESSIONAL EXPERIENCE

- **Since 2015 Assistant Professor**   Al Ghatt college, Al Majmaah University, Riyadh, KSA.

- **From 2011 to 2015   Assistant Professor**   Faculty of sciences, Sfax Tunisia

- **From 2008 to 2011   Assistant**   Faculty of sciences, Sfax Tunisia

- **From 2005 to 2008 Contractual Assistant**   Superior Institute of Computer Science and Multimedia, Sfax Tunisia

- **From 2004 to 2005 Contractual Student**   Superior Institute of Computer Science and Multimedia, Sfax Tunisia

▼ TEATCHING ACTIVITIES

- JEE framework (Servlet, Jsp, JavaBean, Ejb)

- Dynamic Web page Development: HTML, PHP5/MySQL, AJAX

- Object Oriented Programming

- C language

- Computer Networks

- Computer Vision

- Indexing of multimedia documents

- Software Engineering

- Fundamental of Database Systems

- Directed graduate research projects and end of studies projects.

▼ RESEARCH ACTIVITIES

- **Key Words**

Image processing, image categorization, action and event recognition, structural approaches for visual recognition.

- **Current Research Interest**

- Vector quantization for image indexing

- Image classification based on spatio-temporal structure information

- Video recognition based on spatio-temporal descriptor

▼ RESEARCH PUBLICATIONS

PAPERS IN REFEREED JOURNALS

- M. Dammak, M. Mejdoub, C. Ben Amar. "Histogram of dense subgraphs for image Representation", IET Image Processing, 2015.
- M. Mejdoub, N. Ben Aoun, C. Ben Amar. "Bag of frequent subgraphs approach for image Classification", Journal of Intelligent Data Analysis, IOS Press, 2014.
- N. Ben Aoun, M. Mejdoub, C. Ben Amar. "Graph-based approach for human action recognition using spatio-temporal features", Journal of Visual Communication and Image Representation, Elsevier, 2014.
- M. Mejdoub, C. Ben Amar. "Classification improvement of local feature vectors over the KNN algorithm", Journal of Multimedia tools and applications, Springer, 2013.
- M. Mejdoub, L. Fonteles, C. BenAmar, and Marc Antonini. "Embedded lattices tree: An Efficient indexing scheme for content based retrieval on image databases", Journal of Visual Communication and Image Representation, Elsevier, 2009.

ARTICLES OF CONFERENCES

- M. Sekma, M. Mejdoub, C. Ben Amar. "Spatio-Temporal Pyramidal Accordion Representation for Human Action Recognition", ICASSP, Florence, 2014.

- N. Ben Aoun, M. Mejdoub, C. Ben Amar. "Bag of sub-graphs for video event recognition", ICASSP, Florence, 2014.

- M. Dammak, M. Mejdoub, C. Ben Amar. "Extended Laplacian Sparse Coding for image Categorization", ICONIP, Malaysia, 2014.

- M. Dammak, M. Mejdoub, C. Ben Amar. "Laplacian Tensor Sparse Coding for image Categorization", ICASSP, Florence, 2014.

- M. Dammak, M. Mejdoub, C. Ben Amar. "A Survey of Extended Methods to the Bag of Visual Words for Image Categorization and Retrieval", VISAPP, Lisbon, 2014.

- M. Sekma, M. Mejdoub, C. Ben Amar. "Human Action Recognition Using Temporal Segmentation and Accordion Representation", CAIP, York, 2013.

- O. Ben Ahmed, M. Mejdoub, C. Ben Amar. "New Approach For Moving Point Detection: Application To Video Space-Time Description", ICAAT, Tunisia, 2013.

- A. Ksibi, M. Dammak, A. Ben Ammar, M. Mejdoub, C. Ben Amar. "Flickr-based Semantic Context to refine Automatic Photo Annotation". International Conference on Image Processing Theory, Tools and Applications, Istanbul, 2012.

- M. Dammak, M. Mejdoub, C. Ben Amar. "Feature vector approximation based on wavelet networks", International Conference on Agents and Artificial Intelligence (ICAART), Portugal, 2012.

- O. Ben Ahmed, M. Mejdoub, C. Ben Amar. "SIFT Accordion: A Space-Time Descriptor Applied to Human Action Recognition", World Academy of Science, Engineering and Technology , 59, 2011.

- M. Mejdoub, C. BenAmar. "Hierarchical categorization tree based on a combined unsupervised-supervised classification", Seventh International Conference on Innovations in Information Technology, Dubai, 2011.

- M. Mejdoub, L. Fonteles, C. BenAmar, Marc Antonini. "Fast indexing method for mage retrieval using tree-structured lattices", Content based multimedia indexing CBMI, London, 2008.

- M. Mejdoub, L. Fonteles, C. BenAmar, M. Antonini. "Fast algorithm for image database indexing based on lattice", European Signal Processing Conference EUSIPCO, Pologne, 2007.

- M. Mejdoub, C. BenAmar, M. Antonini. "Extraction d'une signature floue se basant sur la combinaison de différentes bases d'ondelettes", Traitement et analyse d'images méthodes et applications TAIMA, Tunisie, 2007.

- M. Mejdoub, C. BenAmar. "Image retrieval system based on the Beta wavelet transform", International Conference on Signal, System and Devices SSD, Tunisia, 2007.

▼ LANGUAGES

- Arabic: read, written and spoken (Native)
- English: read, written and spoken
- French: read, written and spoken