

**MOHAMED ANOUAR BORGI**

Assistant Professor of Computer Science  
Ph.D, AI & Computer Vision



Languages: Arabic, French and English  
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TUNISIA

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**INTERNSHIPS & VISITS**

- Internship with FaceAging group UNCW Wilmington North Carolina USA, March 2012
- Internship with Applied mathematics department UH Houston Texas USA, April 2012

**EDUCATION**

- **Ph.D** Computer Science January 2016  
National Engineering School of Sfax - TUNISIA Major: Computer Vision  
Minor: Facial Attributes Recognition
- **M.sc** Computer Science July 2010  
National Engineering School of Sfax - TUNISIA Major: Computer Vision  
Minor: 3D Face Recognition
- **M.sc** Computer Science July 2007  
National Engineering School of Sfax - TUNISIA Major: Computer Vision  
Minor: Image Indexing
- **B.sc** Computer Science June 2001  
Faculty of Science – Monastir - TUNISIA Major: Computer Vision  
Minor: Image Processing

**WORK EXPERIENCES - ACADEMIA**

- **Assistant Professor** Computer Science Department ISSAT Kasserine, TUNISIA Since 2023
- **Assistant** Computer Science Department ISET kasserine, TUNISIA 2006 - 2007
- **Teacher** Computer Science Department Secondary School Kasserine, TUNISIA 2001 - 2022

**CURRENT RESEARCH TOPICS**

- Artificial Intelligence, Computer Vision, Machine/Statistical Learning.
- Deep Learning, Vision Transformers, Generative Adversarial Networks
- Information Fusion, Sparse-Collaborative Representation, Multi Scale Analysis.

**TEACHING**

- Computer Vision, Biometrics, Pattern Recognition
- Rust Language, Object-Oriented Language Java
- Big Data, IoT, Cloud Computing, Data Center
- Algorithmic, Python Language, Pascal Language

**PROGRAMMING SKILLS**

- Rust, Python, Java
- Matlab, Pascal

## PUBLICATIONS

- T.P. Nguyen, X. S. Nguyen, M.A. Borgi and M. K. Nguyen, A projection based approach for shape measuring, *Journal of mathematical imaging and vision*, Volume 62, Issue 4, Pages 489–504, Springer, (2020). (IF 2.0)
- M.A. Borgi, T.P. Nguyen, D. Labate, and C. Ben Amar, Statistical binary patterns and post-cometitive representation for pattern recognition, *International Journal of Machine Learning and Cybernetics*, Volume 9, Issue 6, Pages 1023–1038, Springer, (2018). (IF 5.6)
- T. Kadhraoui, M.A. Borgi et al, Local Generic Representation for Patch uLBP-based Face Recognition with Single Training Sample per Subject, *Multimedia Tools and Applications*, Volume 77, Issue 18, Pages 24203–24222, Springer, (2018). (IF 3.6)
- M.A. Borgi, M. El'arbi, D. Labate, and C. Ben Amar, Regularized directional features learning for face recognition, *Multimedia Tools and Applications*, Springer, Volume 74, Issue 24, Pages 11281-11295, (2015). (IF 3.6)
- M.A. Borgi, M. El'arbi, D. Labate, and C. Ben Amar, Sparse Multi-Stage Regularized Anisotropic Features Learning for Robust Face Recognition, *Expert Systems With Applications*, Elsevier, Volume 42, Issue 1, Pages 269-279, (2015). ( IF 8.5)
- S. Said, M. A. Borgi and C. Ben Amar, 3D face Recognition using Multi Matcher Approach , The International Journal "Transactions on Systems, Signals and Devices" (Issues on Communication & Signal Processing), 1861-5252,TSSD, Vol. 7, No. 3, pp.1-17. (2012).
- M.A. Borgi, M. El'arbi, D. Labate, and C. Ben Amar, Face, Gender and Race Classification using Multi-Regularized Features Learning, **ICIP**, pp. 5277-5281, Paris, France, October 27-30, (2014).
- M.A. Borgi, D. Labate, M. El'arbi, and C. Ben Amar, Sparse Multi-Regularized Shearlet-Network using Convex Relaxation for Face Recognition, **ICPR**, pp. 4636-4641, Stockholm, Sweden, August 24-28, (2014).
- M.A. Borgi, D. Labate, M. El'arbi, and C. Ben Amar, ShearFace: Efficient Extraction of Anisotropic Features for Face Recognition, **ICPR**, pp. 1806-1811, Stockholm, Sweden, August 24-28, (2014).
- M.A. Borgi, D. Labate, M. El'arbi, and C. Ben Amar, Regularized Shearlet Network for face Recognition using Single Sample Per Person, **ICASSP**, pp. 514-518, Firenze, Italy, May 4-9, (2014).
- M. A. Borgi, M. El'Arbi and C. Ben Amar, Wavelet Network and Geometric Features Fusion by Belief Functions for Face Recognition, **CAIP**, York, UK, pp. 307-314, (2013).
- M. A. Borgi, D. Labate, M. El'Arbi and C. Ben Amar, Shearlet Network-based Sparse Coding Augmented by Facial Texture Features for Face Recognition, **ICIAP**, Naples, Italy, pp. 611-620, (2013).
- M. A. Borgi, S. Said, B. Ben Amor and C. Ben Amar, Information Fusion for 3D Face Recognition, the International Conference on Image Information Processing (**ICIIP 2011 IEEE**), November 3-5, Shimla, India, (2011).
- S. Said, M. A. Borgi, B. Ben Amor and C. Ben Amar, 3D Face Recognition Using Multi Matcher Approach, 8th International Multi-Conference on Systems, Signals & Devices (**SSD 2011 IEEE**), March 22-25, Sousse, Tunisia, (2011).

## JOURNAL REVIEWER

- Neurocomputing (Elsevier)
- Neural Computing and Applications (Springer)

## ADVISEES

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|-----------------------|--------------|--|-------------|
| • <b>Ph.D Student</b> | Mourad Hamdi | Dissertation: Improved underwater images taken at low brightness<br>Co-supervised with Thanh Phuong NGUYEN Assoc. Prof<br>University of Toulon | 2023 - 2027 |
| • <b>M.sc</b>         | Imen Haggui  | Dissertation: Object detection and tracking for road safety<br>Co-supervised with Thanh Phuong NGUYEN Assoc. Prof<br>University of Toulon      | 2017 - 2019 |

## REFERENCES

- **Pr. Chokri BEN AMAR**  
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University of Sfax, REGIM Laboratory,  
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- **Pr. Demetrio Labate**  
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I hereby state that the statements made above are true to the best of my knowledge and belief.