



CURRICULUM VITAE

I- GENERAL INFORMATION

First Name: Mohammed
Last Name: Saaidia
Date and place of birth: 02/17/1966 Khemissa (Souk-Ahras), Algeria
Marital status: Married with Children

Institution: University Mohamed-Cherif Messaadia of Souk-Ahras, Algeria.

College: Science and Technology

Department: Electrical Engineering

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Department of Electrical Engineering

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Research interest:

- Renewable energy
- HVDC transportation systems
- Signal processing
- Image processing (face recognition, facial expression recognition)
- Spectral analysis
- Robot control

University Degrees :

1- Doctorate in signal processing

University of Annaba (Algeria) and IBISC Laboratory (France), October 2016

Advisor: Pr. M. Ramdani, University of Annaba, Algeria

Pr. S. Lelandais, IBISC Laboratory, France

Major Area: Image processing, face detection, facial expression recognition

Thesis title: "Traitement d'images et reconnaissance de formes. Application à la detection du visage et à l'identification des expressions faciales"

2- Magister in Electronics

Annaba University (Algeria) June 1994.

Option: Signal processing

Thesis Title: "Compression des signaux mono et bi-dimensionnels. Application à la parole et aux images du visage"

3- Bachelor Degree in Electronics

University of Annaba, June 1991.

Option: Control

II. Scientific Activities and Publications

1. Scientific Production:

Published articles (in refereed international Journals)

- 1- Nedjem-Eddine BENCHOUIA and **Mohammed Saaidia** (2021) Optimization and reliability of the power supply systems of a compressor station. *Electrical Engineering & Electromechanics* , 02(), 54-63
- 2- **Mohammed Saaidia**, Narima Zermi and Messaoud Ramdani _Fuzzy linear projection on combined multi-feature characterization vectors for facial expression recognition enhancement_ *International Journal of Signal and Imaging Systems Engineering (IJSISE)*, Vol. 9, Nos. 4/5, pp.252–261. <http://www.inderscience.com/jhome.php?jcode=ijsise> (Indexed in: Scopus, INSPEC,...).
- 3- **Mohammed Saaidia**, Narima Zermi and Messaoud Ramdani (2015) Multiple Characterization Techniques for Enhanced Facial Expression Recognition. *Intelligent Systems Technologies and Applications*, 384(2), 497-509, Springer. http://link.springer.com/chapter/10.1007%2F978-3-319-23036-8_43 (Indexed in: Thomson, Scopus, ...) DOI: 10.1007/978-3-319-23036-8_43
- 4- **Mohammed Saaidia**, Sylvie Lelandais-Bonadès and Messaoud Ramdani.(2012), Face localization using Skin and geometric characteristics. In *International Journal of Signal Processing, Image Processing and Pattern Recognition (IJSIP)*, Vol. 5, N°3, 2012, pp. 9-26 <http://www.sersc.org/journals/IJSIP/> (Indexed in: EI Compendex, EBSCO, ...)
- 5- **M. Saaidia**, A. Gattal, M. Maamri and M. Ramdani, (2012), Face Expression Recognition using Autoregressive Models to train Neural Network Classifiers. In *International Journal of New Computer Architectures and their Applications (IJNCAA)*, Vol. 2, N°3, pp.481-487 2012 <http://www.sdiwc.net/ijncaa/> (Indexed in: INSPEC, EBSCO)
- 6- **M. Saaidia, S. Lelandais, V. Vigneron and M. Bedda. (2007), Face detection using Zernike moments.** Evaluation by quantitative measurement criterion. In *WSEAS Transactions on Signal Processing, Issue 2, Vol. 3* , 2007, pp. 226-232, <http://worldses.org/journals/signal/> (Indexed in: Scopus, EI Compendex, ...)
- 7- Zermi Narima and **Mohammed Saaidia** (2015) Two Dimensional Principal Component Analysis (2DPCA) for Human Facial Expression Recognition. *International Journal on Signal Processing and Imaging Engineering (IJSPIE)* , 2(1), , NNGT 2015, pp. 1-6, DOI: 02.IJSPIE.2015.1.3

Conferences and Meetings:

- 1- **Mohammed Saaidia**, Talal Belhouchat, Nedjem-Eddine BENCHOUIA and Kaltoum Achibi (2019) One day ahead prediction of PV power production: case study of Oued-Elkebrit's station (Algeria). International Conference on Sustainable Renewable Energy Systems and Applications (ICSRESA'19) , Tebessa, Algeria
- 2- **Mohammed Saaidia**, Nedjem-Eddine BENCHOUIA and Lekhmissi Derardjia (2019) HVDC electricity transportation technology: feasibility study (Algeria). International Conference on Sustainable Renewable Energy Systems and Applications (ICSRESA'19) , Tebessa, Algeria
- 3- Nedjem-Eddine BENCHOUIA, B. Soltani, B. Madi and **Mohammed Saaidia** (2019) Vector control of a three-level parallel structure UPS powered asynchronous machine. 5th International Conference on Maintenance and Industrial Safety CIMSI'2019 , Université 20 aout 1955, Skikda, Algeria
- 4- **Mohammed Saaidia** and Messaoud Ramdani (2018), Coded hierarchical dictionary for face recognition. International conference on Artificial Intelligence and its Applications (AIAP'2018), December 2018. El-Oued (Algeria). Proceeding pp. 119-124.
- 5- **Mohammed Saaidia** and Messaoud Ramdani (2016), Multi-Feature Characterization Strategy for Face Recognition Efficiency. 4th International Conference on Control Engineering & Information Technology (CEIT-2016) , Hammamet, Tunisia
- 6- Narima Zermi and **Mohammed Saaidia** (2016) Uniform Local Binary Patterns Approach for Human Facial

- 7- **Mohammed Saaidia**, Narima Zermi and Messaoud Ramdani (2015) Enhanced expression recognition using multi-features and fuzzy linear projection. Second International Conference on Automation, Control, Engineering and Computer Science (ACECS'15), Sousse, Tunisia 2015
- 8- Narima Zermi and **Mohammed Saaidia** (2015) Enhanced Facial Expression Recognition using 2DPCA Principal component Analysis and Gabor Wavelets. *International Conference on Automation Control, Telecommunications and Signals (ICATS'2015)*, Annaba, Algeria.
- 9- **Mohammed Saaidia**, Narima Zermi and Messaoud Ramdani (2014) Facial Expression Recognition Using Neural Network Trained with Zernike Moments. Fourth International Conference on Artificial Intelligence and Applications in Engineering and Technology (ICAIET2014), Kota Kinabalu, Sabah, Malaysia 2014, *Ieee-Xplore DOI: 10.1109/ICAIET.2014.39*
- 10- **M. Saaidia**, A. Gattal, M. Maamri and M. Ramdani (2012). Face expression recognition using AR-BURG model and neural network. In *International conference on informatics and applications, ICIA2012*, , Kuala Terengganu, Malaysia, 2012, Conf. Proceeding, ISBN: 978-1-5108-0854-6, pp. 112-117
- 11- **M. SAAIDIA**, Sylvie LELANDAIS and Messaoud RAMDANI. Online Quality measurement of face localization obtained by neural networks trained with Zernike moments feature vectors. In *Image Processing, theory, Tools and Applications –IPTA'08*, Sousse (Tunisia), 2008, Ieee-Xplore DOI: 10.1109/IPTA.2008.4743768
- 12- **M. SAAIDIA**, A. Chaari and S. Lelandais, V. Vigneron and M. Bedda. Face localization by neural networks trained with Zernike moments and Eigenfaces feature vectors: A comparison. In *AVSS 2007*, London, 2007, Proceeding pp. 377-382, Ieee-Xplore DOI: 10.1109/AVSS.2007.4425340
- 13- **M. SAAIDIA**, S. LELANDAIS, V. VIGNERON and E.M. BEDDA. Face detection by neural network trained with Zernike moments. In *The 6th WSEAS International Conference on Signal Processing, Robotics and Automation (ISPRA'07)*, Corfu (Greece), 2007. Proceeding. pp. 36-41
- 14- M. Maamri, A. Gattal and **Mohammed Saaidia** (2009), Horizontally scanning laser beam for robot trajectory tracking. *Conférence Internationale en génie-Electrique*, CIGET'09, Tebessa (Algeria)

2. Organization of scientific meetings:

- Member of the steering Committee of the 1st International Conference in Electrical Engineering (CIGET09), November 2009, Department of Electrical engineering, University of Tebessa, Algeria.
- Member of the steering Committee of the 2nd International Conference in Electrical Engineering (ICIPEE2012), November 2012, Department of Electrical engineering, University of Tebessa, Algeria.
- Member of the steering Committee of the 3rd International Conference in Electrical Engineering (ICIPEE2014), November 2014, Department of Electrical engineering, University of Tebessa, Algeria.
- Member of the Technical Program Committee of the International Symposium on Intelligent Systems Technologies and Applications * **ISTA'15**, August 2015, Kerala, India * **ISTA'17**, September 2017, Karnataka, India and * **ISTA'18**, September 2018, Bangalor, India
- Reviewer for The International Conference on Automatic control, Telecommunication and Signals (**ICATS'16** and **ICATS'17**) Annaba; Algeria.
- Reviewer for The 8th International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (**SETIT'2018**) Hammamet; Tunisia.

2. International Collaboration

IBISC laboratory, University of Every-Val-d'Essone, France 2005-2007

3. Research Activities:

- **Active researcher in “Renewable energies”, “HVDC electricity transportation systems”, “face recognition”, “facial expression recognition”, and “signal processing”.**
- **Active researcher within the “Laboratory of Electrical Engineering and Renewable Energy”. University of Souk-Ahras. Algeria**

III. Pedagogical Activities

Teaching :

- (1) Electronic Courses: 1994-2011, University of Tebessa
Electricity's Fundamentals, Logical Circuits, Microprocessors, Real-time systems, Communication systems, Networks
- (2) Electronic Courses: 2012-until now, University of Souk-Ahras
Logical Circuits, Microprocessors, Signals and systems, Programmable logic controllers,

IV. Administrative responsibilities

1. Head of the Department of Electronics, University of Tebessa: 1998-1999
2. Assistant Director of the Institute of Sciences and Technology, University of Tebessa: 2000-2004
3. Head of the Department of Electronics, University of Tebessa: 2004-2005
4. Assistant Director of the Institute of Sciences and Technology, University of Tebessa: 2007-2009
5. Vice Dean of the faculty of Sciences and Technology, University of Tebessa: 2009-2010
6. Vice Rector of the University, University of Tebessa: 2010-2011
7. Advisor to the Rector of the University of Souk-Ahras responsible for deploying and developing new technologies. 2012-2014

Language: Arabic, English, French