



ANOUAR BEN KHALIFA

Université de Jendouba, Institut National des
Technologies et des Sciences du Kef, 7100, Le Kef,
Tunisie.

Expériences professionnelles

Directeur

Juillet 2022 - Présent (3 ans, 11 mois)

Institut National des Technologies et des sciences du Kef, Le KEF

Vice-Directeur et Directeur des Etudes

Décembre 2020 - Juillet 2022 (1 ans, 7 mois)

École Nationale d'ingénieurs de Sousse, Sousse

Directeur du département Génie Électronique Industrielle

Septembre 2016 - Septembre 2019 (3 ans)

École Nationale d'ingénieurs de Sousse, Sousse

Diplômes

Génie Electrique

2021

*Type : Habilitation Universitaire
université de Sousse, Sousse*

Génie Electrique

2014

*Type : Doctorat
École Nationale d'Ingénieurs de Tunis., Tunis*

Automatique et traitement du signal

2007

*Type : Mastère de recherche
École Nationale d'Ingénieurs de Tunis., Tunis*

Génie électrique (informatique industrielle)

2005

*Type : Ingénierie
École Nationale d'Ingénieurs de Monastir., Monastir*

Enseignements

Traitement numérique de l'information multimédia

Septembre 2022 - Présent (3 ans, 9 mois)

Institut Supérieur d'Informatique du Kef

Filière(s) d'enseignement : Mastère Professionnel en Application Web Intelligente

Initiation à la recherche et la vie du chercheur

Septembre 2022 - Présent (3 ans, 9 mois)

Institut Supérieur d'Informatique du Kef

Filière(s) d'enseignement : Mastère de recherche en Systèmes d'Informations et Web

Contrôle industriel par vision

Septembre 2018 - Juin 2022 (3 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Mécanique et Productique

Vision par Ordinateur

Septembre 2016 - Juin 2022 (5 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Electronique Industrielle

Techniques Avancées pour Systèmes Intelligents

Septembre 2007 - Juin 2022 (14 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Electronique Industrielle Génie Mécatronique

Théorie et traitement du signal

Septembre 2007 - Juin 2022 (14 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Electronique Industrielle Génie Mécatronique

Asservissement et régulation

Septembre 2007 - Juin 2009 (1 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Electronique Industrielle Génie Mécatronique Génie Informatique Appliquée

Électrotechnique

Septembre 2007 - Juin 2009 (1 ans, 9 mois)

Ecole Nationale d'ingénieurs de Sousse

Filière(s) d'enseignement : Génie Electronique Industrielle Génie Mécatronique Génie Informatique Appliquée

Activités de recherche

Publications

2024 :

- (C53). Nahla Majdoub Bhiri, Safa Ameur, Imen Jegham, Ihsen Alouani, **Anouar Ben Khalifa**, *A Deep CNN-BiGRU Network for Multi-stream Hand Gesture Recognition Framework*, 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 893-898, DOI: <https://doi.org/10.1109/CoDIT62066.2024.10708341> (Conf.Rank C)
- (C52). Emna Ben Baoues, Imen Jegham, Safa Ameur, **Anouar Ben Khalifa**, *Hard Attention Based EfficientNet for Person Re-Identification*, 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 976-981, DOI: <https://doi.org/10.1109/CoDIT62066.2024.10708438> (Conf.Rank C)
- (C51). Radhia Ferjaoui, Sana Boujnah, **Anouar Ben Khalifa**, *A Novel Handcrafted Features and Deep BiLSTM Neural Network for Lymphoma Recognition*, 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 2266-2271, DOI: <https://doi.org/10.1109/CoDIT62066.2024.10708513> (Conf.Rank C)
- (C50). Ines Ben Rouighi, Hajer Chtioui, Imen Jegham, **Anouar Ben Khalifa**, *YOLO Detectors for Drone-based Real-Time Object Detection in Intelligent Transportation Systems: Comparative Study*, 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 431-436, DOI: <https://doi.org/10.1109/CoDIT62066.2024.10708153> (Conf.Rank C)
- (C49). Laila Ouannes, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Enhancing Face Recognition in Degraded Conditions via Vision Transformer*, 2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Vallette, Malta, 2024, pp. 2887-2892, DOI: <https://doi.org/10.1109/CoDIT62066.2024.10708244> (Conf.Rank C)
- (B06). Laila Ouannes, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Transforming Challenges: Siamese-Based Vision Transformers for Robust Occluded Face Recognition*, In: Nguyen, NT., et al. *Advances in Computational Collective Intelligence. ICCCI 2024. Communications in Computer and Information Science*, vol 2166. Springer, Cham. 2024. DOI : https://doi.org/10.1007/978-3-031-70259-4_20 (Book Chapter) (Conf.Rank B)
- (C48). Ibtissem Yacoubi, Radhia Ferjaoui, **Anouar Ben Khalifa**, *A Deep GRU-BiLSTM Network for Multi-modal Emotion Recognition from Text*, 2024 IEEE 7th International Conference on Advanced Technologies, Signal and Image Processing (ATSIP), Sousse, Tunisia, 2024, pp. 138-143, DOI: <https://doi.org/10.1109/ATSIP62566.2024.10638944>
- (C47). Karam Abdullah, Imen Jegham, Mohamed Ali Mahjoub, **Anouar Ben Khalifa**, *Driver Action Recognition in Low-Light Conditions: A Multi-View Fusion Framework*, 2024 IEEE 7th International Conference on Advanced Technologies, Signal and Image Processing (ATSIP), Sousse, Tunisia, 2024, pp. 171-176, DOI: <https://doi.org/10.1109/ATSIP62566.2024.10638840>
- (C46). Sana Boujnah, Radhia Ferjaoui, **Anouar Ben Khalifa**, *A Novel Deep Neural Network Model using Resnet50-BiLSTM for Biometric Ear Recognition in Degraded Conditions*, 2024 IEEE 7th International Conference on Advanced Technologies, Signal and Image Processing (ATSIP), Sousse, Tunisia, 2024, pp. 272-277, DOI: <https://doi.org/10.1109/ATSIP62566.2024.10638889>
- (C45). Laila Ouannes, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *A Dual Approach with CycleGANs-based Face Reconstruction and ViT-based Classification*, 2024 IEEE 7th International Conference on Advanced Technologies, Signal and Image Processing (ATSIP), Sousse, Tunisia, 2024, pp. 354-359, DOI: <https://doi.org/10.1109/ATSIP62566.2024.10638936>
- (C44). Radhia Ferjaoui, Sana Boujnah, **Anouar Ben Khalifa**, *A Deep CNN-BiGRU model for Lymphoma and Residual Masses Recognition*, 2024 IEEE 7th International Conference on Advanced Technologies, Signal and Image Processing (ATSIP), Sousse, Tunisia, 2024, pp. 296-301, DOI: <https://doi.org/10.1109/ATSIP62566.2024.10639019>
- (C43). Emna Ben Baoues, Imen Jegham, Mounim El Yacoubi, **Anouar Ben Khalifa**, *Soft-Attention Based Person Re-Identification in Real-world Settings using Variational AutoEncoders*, 16th International Conference on Human System Interaction (HSI'2024), July 8-11, 2024, pp. 1-6, Paris, France, DOI: <http://dx.doi.org/10.1109/HSI61632.2024.10613536>
- (J21). Nahla Majdoub Bhiri, Safa Ameur, Imen Jegham, Ihsen Alouani, **Anouar Ben Khalifa**, *2MLMD: Multi-modal Leap Motion Dataset for Home Automation Hand Gesture Recognition Systems*, *Arabian Journal for Science and Engineering*, 2024. DOI: <https://doi.org/10.1007/s13369-024-09396-6>. Quartile: Q1, IF=2.6.
- (J20). Bilel Tarchoun, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, Nael Abu-Ghazaleh, Ihsen Alouani, *An information-theoretic perspective of physical adversarial patches*, *Neural Networks*, Volume 179, 106590, August 2024, DOI: <https://doi.org/10.1016/j.neunet.2024.106590>. Quartile: Q1, IF=6.0.
- (B05). Ibtissem Hadj Ali, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *MixUp Data Augmentation for Handwritten Arabic Mathematical Symbols Recognition*, In: Mosbah, M., et al. *Advances in Model and Data Engineering in the Digitalization Era. MEDI 2023. Communications in Computer and Information Science*, pp. 17-30, vol 2071. Springer, Cham. https://doi.org/10.1007/978-3-031-55729-3_3. (Book Chapter)

2023 :

- (C42). Safa Ameur, Mohamed Ali Mahjoub, **Anouar Ben Khalifa**, *A Deep GRU-Autoencoder for Dimensionality Reduction in Hand Skeleton Data Sequences classification*, The 1st IEEE Afro-Mediterranean Conference on Artificial Intelligence (IEEE AMCAI), pp. 1-6, December 13-15, 2023 Hammamet, Tunisia. DOI: <https://doi.org/10.1109/AMCAI59331.2023.10431526>
- (C41). Emna Ben Baoues, Imen Jegham, Safa Ameur, **Anouar Ben Khalifa**, *GF2PREID: A Novel Framework for Person Re-Identification Using Generative Networks*, The IEEE 22th International Conference on Cyberworlds (CW2023), Sousse, Tunisia, 03-05 October 2023. DOI: <https://doi.org/10.1109/CW58918.2023.00024> (Conf.Rank B)
- (C40). Radhia Ferjaoui, Sana Boujnah, Nour El Houda Kraiem, Tarek Kraiem, **Anouar Ben Khalifa**, *A Novel Public Database of Lymphoma for Whole Body Diffusion-Weighted MRI*, The IEEE 22th International Conference on Cyberworlds (CW2023), Sousse, Tunisia, 03-05 October 2023. DOI: <https://doi.org/10.1109/CW58918.2023.00038> (Conf.Rank B)
- (C39). Sana Boujnah, Radhia Ferjaoui, **Anouar Ben Khalifa**, *Person Identification with Voice and Ear-print in Degraded Conditions for Smart Home Access*, The IEEE 22th International Conference on Cyberworlds (CW2023), Sousse, Tunisia, 03-05 October 2023. DOI: <https://doi.org/10.1109/CW58918.2023.00071> (Conf.Rank B)
- (C38). Sana Boujnah, Radhia Ferjaoui, **Anouar Ben Khalifa**, *Hybrid Approach for Speaker Recognition based on Formant and Pich Extraction*, The IEEE 22th International Conference on Cyberworlds (CW2023), Sousse, Tunisia, 03-05 October 2023. DOI: <https://doi.org/10.1109/CW58918.2023.00064> (Conf.Rank B)

(C37). Bilel Tarchoun, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, Nael Abu-Ghazaleh, Ihcen Alouani, *Jedi: Entropy-based Localization and Removal of Adversarial Patches*, CVPR 2023 : IEEE/CVF Conference on Computer Vision and Pattern Recognition, Vancouver, Canada, June 2023. DOI: <https://doi.org/10.1109/CVPR52729.2023.00398> (Conf.Rank A*)

(J19). Nahla Majdoub Bhiri, Safa Ameer, Ihcen Alouani, Mohamed Ali Mahjoub, **Anouar Ben Khalifa**, *Hand gesture recognition with focus on leap motion: An overview, real world challenges and future directions*, Expert Systems with Applications, 120125, April 2023. DOI: <https://doi.org/10.1016/j.eswa.2023.120125> . Quartile: Q1, IF=8.665.

(J18). Imen Jegham, Ihcen Alouani, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *Deep learning-based hard spatial attention for driver in-vehicle action monitoring*, Expert Systems with Applications, 119629, February 2023. DOI: <https://doi.org/10.1016/j.eswa.2023.119629> . Quartile: Q1, IF=8.665.

(C36). Abdullah, K.; Jegham, I.; Mahjoub, M. and **Anouar Ben Khalifa**. *Hard Spatial Attention Framework for Driver Action Recognition at Nighttime*, In Proceedings of the 15th International Conference on Agents and Artificial Intelligence (ICAART '23), February 2023, Lisbon, Portugal, Volume 3, pages 964-971,. DOI: [10.5220/0011846100003393](https://doi.org/10.5220/0011846100003393) (Conf.Rank B)

(C35). Abdullah, K.; Jegham, I.; Mahjoub, M. and **Anouar Ben Khalifa**. *Hard Spatio-Multi Temporal Attention Framework for Driver Monitoring at Nighttime*. In Proceedings of the 12th International Conference on Pattern Recognition Applications and Methods (ICPRAM'23), February 2023, Lisbon, Portugal, pages 51-61. DOI: [10.5220/0011637400003411](https://doi.org/10.5220/0011637400003411) (Conf.Rank C)

2022 :

(C34). Laila Ouannes, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Siamese Network for Face Recognition in Degraded Conditions* *Siamese*, 6th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP'2022), pp. 1-6, May 2022, Hybrid Moncton (Canada)-Sfax (Tunisia). DOI: <https://doi.org/10.1109/ATSIP55956.2022.9805878>.

(C33). Bilel Tarchoun, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *Investigating the robustness of multi-view detection to current adversarial patch threats*, 6th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP'2022), pp. 1-6, May 2022, Hybrid Moncton (Canada)-Sfax (Tunisia). DOI: <https://doi.org/10.1109/ATSIP55956.2022.9805870>.

(C32). Nahla Majdoub Bhiri, Safa Ameer, Imen Jegham, Mohamed Ali Mahjoub, **Anouar Ben Khalifa**, *Fisher-HHT: A Feature Extraction Approach For Hand Gesture Recognition With a Leap Motion Controller*, 6th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP'2022), pp. 1-6, May 2022, Hybrid Moncton (Canada)-Sfax (Tunisia). DOI: <https://doi.org/10.1109/ATSIP55956.2022.9805899>.

(C31). Karam ABDULLAH, imen jegham, **Anouar Ben Khalifa**, Mohamed Ali MAHJOUB, *A Multi-Convolutional Stream for Hybrid network for Driver Action Recognition at Nighttime*, 8th International Conference on Control, Decision and Information Technologies (CoDIT), pp. 337-342, May 2022, Istanbul, Turkey. DOI: <https://doi.org/10.1109/CoDIT55151.2022.9804013> (Conf.Rank C) .

(C30). Wafa Lejmi, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *An Innovative Approach Towards Violence Recognition Based on Deep Belief Network*, 8th International Conference on Control, Decision and Information Technologies (CoDIT), pp. 1297-1302, May 2022, Istanbul, Turkey. DOI: <https://doi.org/10.1109/CoDIT55151.2022.9803898>. (Conf.Rank C) .

(C29). Abigail CHUBWA NDIKU, Randa GHEDIRA-CHKIR, **Anouar Ben Khalifa**, Mohamed DOGUI, *Electroencephalography signal classification for automatic interpretation of electroencephalogram based on Artificial Intelligence*, 8th International Conference on Control, Decision and Information Technologies (CoDIT), pp. 636-640, May 2022, Istanbul, Turkey. DOI: <https://doi.org/10.1109/CoDIT55151.2022.9803951> (Conf.Rank C) .

2021 :

(C28). Bilel Tarchoun, Ihcen Alouani, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *Adversarial Attacks in a Multi-view Setting: An Empirical Study of the Adversarial Patches Inter-view Transferability*, International Conference on Cyberworlds (CW), pp. 299-302, 2021, Caen, France. DOI: <https://doi.org/10.1109/CW52790.2021.00057> (Conf.Rank B) .

(J17). L. Ouannes, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Comparative Study Based on De-Occlusion and Reconstruction of Face Images in Degraded Conditions*, Traitement du Signal, Vol. 38, No. 3, pp. 573-585, June 2021. DOI : <https://doi.org/10.18280/ts.380305> . Quartile: Q3, IF= 2.589.

(B1) Amira Mimouna, **Anouar Ben Khalifa**, *A Survey of Human Action Recognition using Accelerometer Data*, In: Kanoun O., Derbel N. (eds) Advanced Sensors for Biomedical Applications. Smart Sensors, Measurement and Instrumentation, vol 38. Springer, Cham. pp.1-32, 2021. DOI : https://doi.org/10.1007/978-3-030-71225-9_1

(C27). Ihcen Alouani, **Anouar Ben Khalifa**, Farhad Merchant, Rainer Leupers, *An Investigation on Inherent Robustness of Posit Data Representation*, 34th International Conference on VLSI Design and 2021 20th International Conference on Embedded Systems (VLSID), 2021, pp. 276-281, Guwahati, India, DOI: [10.1109/VLSID51830.2021.00052](https://doi.org/10.1109/VLSID51830.2021.00052).

(C26). Amira Mimouna, **Anouar Ben Khalifa**, Ihcen Alouani, Abdelmalik Taleb-Ahmed, Atika Rivenq, Najoua Essoukri Ben Amara, *LSTM-based system for multiple obstacle detection using ultra-wide band radar*, In Proceedings of the 13th International Conference on Agents and Artificial Intelligence, Volume 2, pp. 418-425, Vienna, Austria, 2021. DOI : [10.5220/0010386904180425](https://doi.org/10.5220/0010386904180425) (Conf.Rank C) .

(J16). Amira Mimouna, **Anouar Ben Khalifa**, Ihcen Alouani, Najoua Essoukri Ben Amara, Atika Rivenq, Abdelmalik Taleb-Ahmed, *Entropy-based Ultra-Wide Band radar signals Segmentation for Multi Obstacle Detection*, IEEE Sensors Journal, Vol. 21, No. 6, pp. 8142-8149, March 2021. DOI : [10.1109/JSEN.2021.3050054](https://doi.org/10.1109/JSEN.2021.3050054). Quartile: Q1, IF=3.301.

(J15). Imen Jegham, **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, *Soft Spatial Attention-based Multimodal Driver Action Recognition Using Deep Learning*, IEEE Sensors Journal, Vol. 21, No. 2, pp. 1918-1925. January, 2021. DOI: [10.1109/JSEN.2020.3019258](https://doi.org/10.1109/JSEN.2020.3019258). Quartile: Q1, IF=3.301.

2020 :

(J14) . Wafa Lejmi, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *A Novel Spatio-Temporal Violence Classification Framework Based on Material Derivative and LSTM Neural Network*, Traitement du Signal, Vol. 37, No. 5, November 2020, pp. 687-701, DOI: <https://doi.org/10.18280/ts.370501> . Quartile: Q3, IF= 2.589.

(J13). Imen Jegham, **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, *A novel public dataset for multimodal multiview and multispectral driver distraction analysis: 3MDAD*, Signal Processing: Image Communication, Volume 88, October 2020, 115966, DOI: <https://doi.org/10.1016/j.image.2020.115960>. Quartile: Q1, IF= 3.256.

(J12). **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, Atika Rivenq, *A novel multi-view pedestrian detection database for collaborative Intelligent*

(J11). Islem Mhiri, **Anouar Ben Khalifa**, Mohamed Ali MAHJOUR, Islem Rekik, *Brain Graph Super-Resolution for Boosting Neurological Disorder Diagnosis using Unsupervised Multi-Topology Connectional Brain Template Learning*, Medical Image Analysis, Volume 65, October 2020,

101768, DOI: <https://doi.org/10.1016/j.media.2020.101768>. Quartile: Q1, IF= 11.148.

(C25). Bilel Tarchoun, Imen Jegham, **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, *Deep CNN-based Pedestrian Detection for Intelligent Infrastructure*, The 5th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP), 2-5 September 2020, Sfax-Tunisia. pp 1-6, 2020. DOI: <https://doi.org/10.1109/ATSIP49331.2020.9231712>

(C24). Safa Ameur, **Anouar Ben Khalifa**, Mohamed Salim Bouhlel, *Hand-gesture-based Touchless Exploration of Medical Images with Leap Motion Controller*, 17th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'20), 20-23 July 2020, pp. 6-11, Sfax-Tunisia. DOI: <https://doi.org/10.1109/SSD49366.2020.9364244>.

(C23). L. Ouannes, **Anouar Ben Khalifa**, N. Essoukri Ben Amara, *Facial Recognition in Degraded Conditions Using Local Interest Points*, 17th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'20), 20-23 July 2020, pp. 404-409 Sfax-Tunisia. DOI

: <https://doi.org/10.1109/SSD49366.2020.9364124>

(J10). Safa Ameur, **Anouar Ben Khalifa**, Med Salim Bouhlel, *A novel hybrid bidirectional unidirectional LSTM network for dynamic hand gesture recognition with Leap Motion*, Entertainment Computing, Volume 35, August 2020, 100373, DOI: <https://doi.org/10.1016/j.entcom.2020.100373>. Quartile: Q2, IF= 1.455.

(J9). Safa Ameur, **Anouar Ben Khalifa**, Med Salim Bouhlel, *Chronological pattern indexing: An efficient feature extraction method for hand gesture recognition with Leap Motion*, Journal of Visual Communication and Image Representation, Volume 70, July 2020,

102842, DOI: <https://doi.org/10.1016/j.jvcir.2020.102842>. Quartile: Q1, IF= 2.678.

(J8) - **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, Najoua Essoukri Ben Amara, *Pedestrian detection using a moving camera: A novel framework for foreground detection*, Cognitive Systems Research, Volume 60, May 2020, Pages 77-96, DOI: <https://doi.org/10.1016/j.cogsys.2019.12.003>. Quartile: Q2, IF= 3.523.

(J7). Bilel Tarchoun, **Anouar Ben Khalifa**, Selma Dhifallah, Imen Jegham, Mohamed Ali Mahjoub, *Hand-Crafted Features vs Deep Learning for Pedestrian Detection in Moving Camera*, Traitement du Signal, Vol. 37, No. 2, April 2020, pp. 209-216, DOI: <https://doi.org/10.18280/ts.370206>. Quartile: Q3, IF= 2.589.

(J6). Imen Jegham, **Anouar Ben Khalifa**, Ihcen Alouani, Mohamed Ali Mahjoub, *Vision-based human action recognition: An overview and real world challenges*, Forensic Science International: Digital Investigation, Volume 32, March 2020, 200901, DOI: <https://doi.org/10.1016/j.fsidi.2019.200901>. Quartile: Q2, IF= 1.66.

(J5). Amira Mimouna, Ihcen Alouani, **Anouar Ben Khalifa**, Yassin El Hillali, Abdelmalik Taleb-Ahmed, Atika Menhaj, Abdeldjalil Ouahabi, Najoua Essoukri Ben Amara, *OLIMP: A Heterogeneous Multimodal Dataset for Advanced Environment Perception*, Electronics, Volume 9, March 2020, 560. DOI: <https://doi.org/10.3390/electronics9040560>. Quartile: Q2, IF= 2.397.

2019 :

(C22). Laila Ouannes Nasr, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Deep Learning vs Hand-Crafted Features for Face Recognition under Uncontrolled Conditions*, IEEE International Conference on Signal, Control and Communication (SCC'19), pp 1-6,

2019. DOI: <https://doi.org/10.1109/SCC47175.2019.9116159>.

(C21). Imen Jegham, **Anouar Ben Khalifa**, Ihcen ALOUANI, Mohamed Ali MAHJOUR, MDAD: *A Multimodal and Multiview in-Vehicle Driver Action Dataset*, In: Vento M., Percannella G. (eds) Computer Analysis of Images and Patterns. CAIP 2019. Lecture Notes in Computer Science, vol 11679. Springer, Cham, pp. 518-529. DOI: https://doi.org/10.1007/978-3-030-29888-3_42 (Conf.Rank B)

(C20) . Wafa Lejmi, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *Challenges and Methods of Violence Detection in Surveillance Video: A Survey*, In: Vento M., Percannella G. (eds) Computer Analysis of Images and Patterns. CAIP 2019. Lecture Notes in Computer Science, vol 11679. Springer, Cham, pp. 62-73. DOI: https://doi.org/10.1007/978-3-030-29891-3_6 (Conf.Rank B)

2018 :

(C19). Amira Mimouna, **Anouar Ben Khalifa**, Najoua Essoukri Ben Amara, *Human action recognition using triaxial accelerometer data : selective approach*, 15th International Multi-Conference on Systems, Signals & Devices (SSD'18), pp. 467-472, 2018. DOI: <https://doi.org/10.1109/SSD.2018.8570429>

(C18). Khoulood CHEBLI, **Anouar Ben Khalifa**, *Pedestrian Detection Based on Background Compensation with Block-Matching Algorithm*, 15th International Multi-Conference on Systems, Signals & Devices (SSD'18), pp. 473-477, 2018. DOI: <https://doi.org/10.1109/SSD.2018.8570499>

(C17). Islem Mhiri, **Anouar Ben Khalifa**, *Violence Classification Algorithm Based on Substantial Derivative*, International Conference on Sensors, Systems, Signals and advanced technologies (SSS'18), pp. 1-6, 2018.

(C16). Safa Ameur, **Anouar Ben Khalifa**, Mohamed Salim Bouhlel, *LeapGestureDB: A Public Leap Motion Database Applied for Dynamic Hand Gesture Recognition in Surgical Procedures*, In: Balas V., Jain L., Balas M., Shahbazova S. (eds) Soft Computing Applications. SOFA 2018. Advances in Intelligent Systems and Computing, vol 1222. pp. 125-138, Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-52190-5_9 (Conf.Rank C)

(C15). Sana Boujnah, Sami Jaballah, **Anouar Ben Khalifa**, Mohamed Lassaad Ammari, *Person's Identification with Partial Fingerprint Based on a Redefinition of Minutiae Features*, IEEE/ACS 15th International Conference on Computer Systems and Applications (AICCSA), pp. 1 - 5, 2018. DOI: <https://doi.org/10.1109/AICCSA.2018.8612884> (Conf.Rank C)

(C14). Imen Jegham, **Anouar Ben Khalifa**, Ihcen ALOUANI, Mohamed Ali MAHJOUR, *Safe Driving : Driver Action Recognition using SURF Keypoints*, The 30th International Conference on Microelectronics (ICM2018), pp. 60 - 63, 2018. DOI: <https://doi.org/10.1109/ICM.2018.8704009>

2017 :

(C13). Imen Jegham, **Anouar Ben Khalifa**, *Pedestrian Detection in Poor Weather Conditions Using Moving Camera*, IEEE/ACS 14th International Conference on Computer Systems and Applications (AICCSA), pp. 358 - 362, 2017. DOI: <https://doi.org/10.1109/AICCSA.2017.35> (Conf.Rank C)

(C12). Wafa Lejmi, **Anouar Ben Khalifa**, Mohamed Ali Mahjoub, *Fusion Strategies for Recognition of Violence Actions*, IEEE/ACS 14th International Conference on Computer Systems and Applications (AICCSA), pp. 178 - 183, 2017. DOI: <https://doi.org/10.1109/AICCSA.2017.193> (Conf.Rank C)

(C11). Wafa Lejmi, Mohamed Ali Mahjoub, **Anouar Ben Khalifa**, *Event detection in video sequences: Challenges and perspectives*, 13th IEEE International

2016 :

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Encadrement

(Th6). **Karam ABDULLAH**, ISITCOM Hammam Sousse, University of Sousse, Tunisia.

- Thesis topic : Driver Action Recognition At Night Time
- Defense date : May 27, 2023
- Thesis director : Anouar BEN KHALIFA.
- Co-supervision with Dr. Imen JEGHAM,

(Th5). **Laila OUANNES**, ENISo, University of Sousse, Tunisia.

- Thesis topic : Contribution To Face Recognition In a Degraded Environment
- Defense date : June 10, 2022

- Co-supervision with Pr. Najoua Essoukri BEN AMARA.

(Th4). Wafa LEJMI, ISITCOM Hammam Sousse, University of Sousse, Tunisia.

- Thesis topic : Spatio-Temporal Violence Classification based on Material Derivative and Deep Learning Models.
- Defense date : October 30, 2021
- Co-supervision with Pr. Mohamed Ali Mahjoub.

(Th3). Amira MIMOUNA, ENISo, University of Sousse, Tunisia and Polytechnic University Hauts-De-France.

- Thesis topic : Exploring Data Fusion for Multi-Object Detection for Intelligent Transportation Systems using Deep Learning.
- Defense date : May 25, 2021
- Co-supervision with Pr. Najoua Essoukri BEN AMARA, Pr. Abdelmalik TALEB-AHMED and Dr. Ihsen ALOUANI.

(Th2). Imen JEGHAM, ISITCOM Hammam Sousse, University of Sousse, Tunisia.

- Thesis topic : Human action recognition in uncontrolled environment: Application to driver monitoring.
- Defense date : April 6, 2021
- Co-supervision with Pr. Mohamed Ali Mahjoub, Dr. Ihsen ALOUANI.

(Th1). Safa AMEUR, ENISo, University of Sousse, Tunisia.

- Thesis topic : Gesture Recognition With The Leap Motion For Screens Manipulation In a Surgical Operating Room.
- Defense date : March 25, 2021
- Co-supervision with Pr. Med Salim BOUHLEL.

Langues

Arabe (Langue maternelle)



Français (Bilingue)



Anglais (Courant)

