



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE \_\_\_\_\_

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di** \_\_\_\_\_

Scientist- in - charge: \_\_\_\_\_

[Name and surname]

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Butt
Name	Abdul Haleem

### PRESENT OCCUPATION

Appointment	Structure
Researcher	Univeristy

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Biorobotics	scuola superiore sant'anna pisa, Italy	2019
Master	Artificial Intellgience	Dalarna University, Sweden	2012
Degree of medical specialization			
Degree of European specialization			
Other			

### REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date	of	Association	City
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registration		

FOREIGN LANGUAGES

Languages	level of knowledge
English	professional

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2023	Research Grant Age-IT project University of Bologna, Italy
2018-2020	Research Grant Scuola Superiore Sant'anna Pisa

TRAINING OR RESEARCH ACTIVITY

description of activity
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PROJECT ACTIVITY

Year	Project
2023	Age-IT project (Standardization and development of algorithms for Sleep Analysis pipeline using wearable sensors)

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place

PUBLICATIONS



<b>Books:</b>
[title, place, publishing house, year ...] Wearable sensors for gesture analysis in smart healthcare applications. <i>Human Monitoring, Smart Health and Assisted Living: Techniques and Technologies</i> . IET Digital Library, 2017. 79-102.
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

<b>Articles in reviews</b>
A Novel Framework For Ambient Acoustic Event Detection and Localization in a Smart Home Environment, IEEE ACCESS
StrideTracker: Acoustic system for monitoring gait rehab in smart homes, Biomedical Engineering online
[title of the article, review, place, publishing house, year ...]

<b>Congress proceedings</b>
Asifa, et al A Machine Learning Approach for Vehicle Detection and Tracking over Novel Aerial Image 24 <sup>th</sup> IEEE International Multi Topic Conference 2023
A.H. Butt, F. Cavallo, C. Maremmani and E. Rovini, "Biomechanical parameters assessment for the classification of Parkinson Disease using Bidirectional Long Short-Term Memory", <i>2020 42nd Annual International Conference of the IEEE Engineering in Medicine &amp; Biology Society (EMBC)</i> , 2020, pp. 5761-5764, doi: 10.1109/EMBC44109.2020.9176051
Butt, Abdul Haleem, et al "Assessment of Purposeful Movements for Post-Stroke Patients in Activities of Daily Living with Wearable Sensor Device" (16th IEEE International Conference on Computational Intelligence in Bioinformatics and Computational Biology 2019)
Butt, Abdul Haleem, et al. "Leap motion evaluation for assessment of upper limb motor skills in Parkinson's disease." <i>2017 International Conference on Rehabilitation Robotics (ICORR)</i> . IEEE, 2017.
Butt, Abdul Haleem, et al "SPEECH ASSESSMENT FOR THE CLASSIFICATION OF HYPOKINETIC DYSARTHRIA IN PARKINSON DISEASE" Paper Presented in ICNR & NRC 2014 ( <a href="http://www.ijrs.org/ojs/index.php/IJRS/article/download/181/144/">www.ijrs.org/ojs/index.php/IJRS/article/download/181/144/</a> )
Butt, Abdul Haleem, et al. "Wearable Sensors for Gesture Analysis in Smart Healthcare Applications." <i>Human Monitoring, Smart Health and Assisted Living: Techniques and Technologies</i> 9 (2017): 79

## OTHER INFORMATION

<ul style="list-style-type: none"><li>□ Butt et al, Impact of Tree Cover Loss on Carbon Emission: A Learning-Based Analysis. Computational Intelligence and Neuroscience Hindawi (2022) Accepted IF: 3.4</li><li>□ Imran et al, Performance Evaluation of Classification Algorithms for Intrusion Detection on NSLKDD Using Rapid Miner International Journal of Innovations in Science &amp; Technology (accepted 2021)</li><li>□ Imran et al, Natural Language to SQL Queries: A Review. International Journal of Innovations in Science &amp; Technology (accepted 2021)</li><li>□ M.I.Khan et al, International Journal of Innovations in Science &amp; Technology, "Activity Detection of Elderly People Using Smartphone Accelerometer and Machine Learning Methods. International Journal of Innovations in Science &amp; Technology (accepted 2021)</li><li>□ Butt, A.H, Rovini, E., Fujita, H. et al. Data-Driven Models for Objective Grading Improvement of Parkinson's Disease. <i>Ann Biomed Eng</i> 48, 2976-2987 (2020). IF: 4.0</li></ul>
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- Butt, Abdul Haleem, et al. "Biomechanical parameter assessment for classification of Parkinson's disease on clinical a scale." International Journal of Distributed Sensor Networks 13.5 (2017): 1550147717707417. IF = 2.0
- Butt, A. H., et al. "Objective and automatic classification of Parkinson's disease with Leap Motion controller." Biomedical engineering online 17.1 (2018): 168. IF = 2.8

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

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Place and date: \_\_\_\_\_, \_\_\_\_\_