CURRICULUM VITAE

PERSONAL INFORMATION

First name(s) Surname(s)	**MOSTAFA ESSAM LOTFY ORBAN**
Address	**Suzhou, Jiangsu , china**
Telephone/Mobile	**+8615656037372**
email	**Mustafa.essam@feng.bu.edu.eg**
Nationality	Egyptian
Date of birth	26/10/1992
Google scholar	https://scholar.google.com/citations?user=3a4UpPsAAAAJ&hl=ar&oi=ao

WORK EXPERIENCE

• Dates	09-2020 / now
• Name of the employer	Suzhou Institute of biomedical engineering and technology, biomedical school, 中国科学技术大学 （University of Science and Technology of China. China, as PhD schooler)
• Type of business	Top 5 Governmental Chinese university
• Occupation or position	Research Assistant and biomedical devices developer in the Yongkang company affiliated with the institute (my work was based on the biomedical signals EEG and EMG signals from brain and arm muscles)

• Dates	09-2018 / 07-2020
• Name of the employer	西安交通大学 （Xian Jiaotong university， China）
• Type of business	Top 10 Governmental Chinese university
• Occupation or position	Research Assistant at Institute of robotics and intelligent systems (at the same time study my master's degree)

• Dates	09/2017 – 08-2018
• Name of the employer	Orange company
• Type of business	Communication company
• Occupation or position	SOC, security and safety team leader

• Dates	08/2016 / 09-2018
• Name of the employer	Banha University,shoubra faculty of engineering
• Type of business	Governmental university
• Occupation or position	Teaching and Research Assistant at the Mechanical Engineering Department, Benha University

• Dates	05/2013 - 07/2016
• Name of the employer	Algharbia factory for animals' food industry
• Type of business	Animals food industry
• Occupation or position	Manger of the R&D department of the company And General manager of the company.

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EDUCATION AND TRAINING

• Dates	09-2020 / 08-2024
• Name and type of organization providing education	PhD degree from 中国科学技术大学 （University of Science and Technology of China，China, School of Biomedical Engineering (Suzhou), Division of Life Sciences and Medicine）
• Dates	09/2018 ~ 07/2020
• Name and type of organization providing education	Master degree from Xi`an Jiaotong University China top 5 university –School of Mechanical Engineering (institute of bio-robotics and intelligent system)
• Dates	09/2011 ~ 07/2016
• Name and type of organization providing education	Bacholer degree from benha university- Egypt University – Shoubra Faculty of Engineering– School of Mechanical Engineering

Conferances

1- Chines Egyptian conference in Egypt 2016
2-2019 2nd International Conference on Control and Robots, South Korea.
3-2nd International Symposium on Advanced Measurement, Analysis, and Control for Energy and Environment (AMACEE2019)
4-The 51st special training for the development of science and technology of the IKCAST Silk Road Project.
5- The 53rd special training for the development of science and technology of IKCAST Silk Road Project.
6- Summer camp of "dream the Silk Road, taste the cutting edge of science and technology" in 2019.
7- 2019 SILK ROAD YOUTH INTERNATIONAL STUDENTS' ENTREPRENEURSHIP CAMP.

Awards

The 1st student for the university for 5 years - for mechanical department Benha university.

"**Sanqin Scholarship for Excellent Overseas Students**– Shaan Xi Province Government.

Excellent postgraduate student – Xi`an Jiaotong University.

An honorary ambassador for Xian Jiao tong university international students.

首届西安交通大学留学生消防安全知识竞赛.

Representer of Xian Jiaotong university international alumina at 125 anniversaries 2021.

Projects

Funded projects:
1- 09/2018 07/2020, The National Key Research and Development Program of China under Grant 2017YFB1300303.
2- 2021.07.01-2025.06.30, 面向脑卒中功能促进的双向闭环互适应智能脑机接口关键技术研发, Design EEG experment, create new EEG signal processsing, machine learning and deep learning algorithems, 22800000 元.
3- 2023.12.1-2026.11.31, 活动靶区位姿实时精准调控肿瘤放射治疗机器人系统, 4750 万元 国家重点研发计划.
4- 2024.01.01-2026.12.31, 基于智能脑机接口技术的脑卒中手功能康复机器人研发, 60 万元 吉林省重点研发计划.

Graduation projects :

- Research on a precise control method of a prosthetic hand using sEMG signals. Using machine learning for classing the hand gesture for controlling prosthetic hand or any kind of external device. (master's degree project).

- 2- (ROV) remotely operated underwater vehicle was fully funded for research scientific academy with an excellent degree. (bachelor degree project)

Research assistant in the MSL projects:

- Manufacturing and control (ROV) , Manufacturing and control of Serial manipulator,, Manufacturing and control of Parallel manipulator , Manufacturing and control of Cartesian 3D printer , Manufacturing and control of Delta 3D printer , Manufacturing and control of 3axis CNC machining , Control prosthetic hand using sEMG signals

PERSONAL SKILLS AND COMPETENCIES

MOTHER LANGUAGE	**ARABIC**
OTHERS LANGUAGES	

ENGLISH

• Written Comprehension	EXCELLENT
• Writing	EXCELLENT
• Speaking	EXCELLENT

CHINESE (汉语) (HSK 3)

• Written Comprehension	GOOD
• Writing	GOOD
• Speaking	V.GOOD

SOCIAL SKILLS AND COMPETENCIES

Experience working in a multinational environment. Proficiency in several languages.

ORGANIZATIONAL SKILLS AND COMPETENCIES

Teamwork:
I have worked in various types of teams national and international. In Egypt, Y-BEER, national Fekra team as presenter and head of the PR team from 2013 to 2016, shoubra faculty of engineering union as ahead for families and activities sector.
in china, I am an international ambassador for Xian Jiaotong university, Outstanding member Pengkang Rowing Club.

TECHNICAL SKILLS AND COMPETENCIES

PYTHON LANGUE, LAB VIEW, AND MATLAB, ARDUINO, HAVE A FEW BITS OF KNOWLEDGE TO DEAL WITH ROBOTICS OPERATING SYSTEM (ROS).
sEMG SIGNALS ACQUIRING AND PROCESSING, EEG SIGNALS : CAD: AUTOCAD, SolidworksCAE: ABAQUS, ANSYS.TOPOLOGY OPTIMIZATION: TOSKA ABAQUS. SIGNAL PROCESSING, SIGNAL ANALYSIS.

HOBBIES

ROWING, FOOTBALL AND RUNNING

PLEASE SCAN TO FIND MY FULL PUBLICATION LIST HERE GOOGLE SCHOLAR