



Balsam Eid

Date of birth: 22/03/1972 | **Nationality:** Syrian | **Gender:** Female |

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Aleppo street, Lattakia, Syria almashruo alsabe, Lattakia, Syria

About me:

Associate Professor , at Tishreen University Lattakia -Syria/ Satff of Computer and Automatic Control Engineering Department.

Head of the Department of Computer Engineering at Arab Academy for Science , Technology & Maritime Transport.

Lattakia -Bbranch.

WORK EXPERIENCE

23/04/1997 – 10/1998 – lattakia, Syria

INSTRUCTOR – TISHREEN UNIVERSITY -FACULTY OF MECHANICAL & ELECTRICAL ENGINEERING - ELECTRONICS DEPARTMENT

16/09/2007 – 01/09/2010 – Lattakia, Syria

LECTURER – COMPUTER & AUTOMATIC CONTROL ENGINEERING DEPARTMENT-TISHREEN UNIVERSITY

02/09/2010 – 10/02/2018 – Lattakia, Syria

ASSISTANT PROFESSOR – COMPUTER & AUTOMATIC CONTROL ENGINEERING DEPARTMENT-TISHREEN UNIVERSITY

11/02/2018 – CURRENT – Lattakia, Syria

ASSOCIATE PROFESSOR – COMPUTER & AUTOMATIC CONTROL ENGINEERING DEPARTMENT-TISHREEN UNIVERSITY

15/09/2013 – 15/09/2017 – Lattakia, Syria

VISITOR ASSISTANT PROFESSOR – DEPARTMENT OF COMPUTER ENGINEERING AT ARAB ACADEMY FOR SCIENCE , TECHNOLOGY AND MARITIME TRANSPORT

15/10/2021 – 15/10/2022 – Lattakia , Syria

VISITOR ASSOCIATE PROFESSOR AND HEAD OF DEPARTMENT – DEPARTMENT OF COMPUTER ENGINEERING AT ARAB ACADEMY FOR SCIENCE , TECHNOLOGY AND MARITIME TRANSPORT

● EDUCATION AND TRAINING

via Lodovico Manicucci,6, Ancona, Italy

**PH.D IN INFORMATION ENGINEERING AND ITS APPLICATION IN INDUSTRY AND SERVICES
:"INTELLIGENT CONTROL OF PETROCHEMICAL PLANT -A SOLUTION BASED ON ITERATIVE
FEEDBACK TUNING(IFT)"** – Universita Politecnica delle Marche

www.univpm.it

ALEPPO STREET, Lattakia, Syria

B.SC LICENSE IN ELECTRICAL ENGINEERING-THE BRANCH OF ELECTRONICS – Tishreen
University -Faculty of Mechanical & Electrical Engineering

<http://www.tishreen.edu.sy/>

● PUBLICATIONS

**"Detection and Classification of Skin Cancer using Image Processing Techniques" Balsam
Eid , Maha Shawish**

International Journal of Science and Research (IJSR). Vol 10, Issue 3, March 2021

<https://www.ijsr.net/archive/v10i3/v10i32.php> – 2021

**Balsam Ahmad Eid "A Comparative Study between Artificial Neural Network Performance
and Adaptive Neuro-Fuzzy Inference Systems in Breast Cancer Diagnosis Depending On
Structural Features"VOL(39) N3 .2017**

<http://www.tishreen.edu.sy/> – 2017

**Balsam Ahmad.Eid "Breast Tumors Extraction and Features Detection in Breast Magnetic
Resonance Images using Clustering and Image Processing Algorithms"vol(38) n (2) 2016**

Tishreen University Journal for Research and Scientific Studies - Engineering Sciences Series

<http://www.tishreen.edu.sy/> – 2016

**Jafar M. Alkheir, Balsam A. Eid, Tarek F. Barhoum. "Comparative Study between Extended
Adaptive Neuro-Fuzzy Inference System (EANFIS) and Co-Active Adaptive Neuro-fuzzy
Inference System (CANFIS) in Controlling Full car Active Suspension System"**

International Journal of Current Research Vol. 8, Issue, 08, P.36921-36930,

<http://www.journalcra.com/sites/default/files/16679.pdf> – 2016

<http://www.journalcra.com/sites/default/files/16679.pdf>

Jafar M. Alkheir, Balsam A. Eid, Tarek F. Barhoum." Designing an Extended Adaptive Neuro Fuzzy Inference System Controller for Active Suspension System in Half Car Model"

Albaath University Journal for Research and Scientific Studies - Engineering Sciences Series
<http://magazine.albaath-univ.edu.sy/1/pages/2016/1/55.pdf> – 2016

- **Engineering Sciences Series Vol. (38) No. (55) P.11-40,2016.**

Jafar M. Alkheir, Balsam A. Eid, Tarek F. Barhoum. "Designing a Control Unit for Suspension System in Quarter Car Model using Extended Adaptive Neuro-Fuzzy Inference System",

Tishreen University Journal for Research and Scientific Studies
<http://www.tishreen.edu.sy/> – 2016

- **Engineering Sciences Series Vol. (1) No. (4) 2016.**

Balsam A. Eid, Tarek F. Barhoum. "Breast Tumors Detection and Classification in Magnetic Resonance Images using Neuro-Fuzzy Technique",

Tishreen University Journal for Research and Scientific Studies
<http://www.tishreen.edu.sy/> – 2013

- **Engineering Sciences Series Vol. (35) No. (6) 2013**

Mohammed Abd Alhamid, Balsam A. Eid, Nesreen Muhammad ,"Damping Oscillation Improvement in Electric power By Using System Stabilizer Based on Fuzzy Logic " vol(32)n 3

Tishreen University Journal for Research and Scientific Studies - Engineering Sciences Series
<http://www.tishreen.edu.sy/> – 2010

Balsam Ahmad Eid ,Tarek Faisal Barhuom "Supervised and Unsupervised Methods in Depth Estimation"

<http://ieee.org>

obtaining approval to publish paper

● **CONFERENCES AND SEMINARS**

11/12/2021 – 13/12/2021 – Alexandria ,Egypt

ICCTA 2021 31th International Conference on Computer Theory & Applications

"Supervised and Unsupervised Methods in Depth Estimation"

<http://iccta.aast.edu>

05/05/2016 – 05/05/2016 – Arab Academy for Science , Technology and Maritime Transport Lattakia -branch

Workshop between the Arab Academy for Science , Technology & Maritime Transport and the Arab Center for the Studies of Arid Zones and Dry lands(ACSAD) with title : "The impact of climate changes on natural resources in Arab region"

Participation with working paper title:

" Applying artificial neural networks in predicting climate changes "

21/04/2008 – 26/04/2008 – International Institute for Advanced Scientific Studies(IIASS) ,Vietri sul Mare, ITALY

Cost 2102 International School 2008 on Multimodal Signals: Cognitive Algorithmic Issues

The Tenth Scientific Symposium - Scientific Research in Syria and Cooperation Projects with Partner Countries in Lattakia 2010 - Organizing Committee

● CREATIVE WORKS

2015

Programming-2 (MATLAB) Proff.Balsam.A.Eid &En.Muhammad Ali Bello

ACADEMIC BOOK FOR SECOND YEAR OF MECHANICAL DESIGN & PRODUCTION ENGINEERING
THEORETICAL SECTION
2015-2016

Programming-2 (MATLAB) Proff.Balsam.A.Eid & En.Muhammad Ali Bello

ACADEMIC BOOK FOR SECOND YEAR OF MECHANICAL DESIGN & PRODUCTION ENGINEERING PRACTICAL
SECTION 2015-2016

2009 – CURRENT

Supervising Postgraduate Studies:

Researches has been completed:

P.hd Theses:

"Analyzing And Designing a controller for Active Suspension Systems by using Extended Adaptive Neuro-Fuzzy Inference " System(EANFIS) ".2018/-P.HD in automatic control engineering

Currently :

"Increasing the Efficiency of Identifying Topics from scientific products by Improving the Process of Extracting Maximum Frequent Items Set MaxFIS"

Master Theses has been completed:

- **Recognize of Written Arabic Letters using Neuro-Fuzzy Networks/ 2016-master in computer engineering.**
- **Detection and Classification of Skin Cancer sing Image Processing Techniques/ 2016-master in computer engineering.**
- **Designing the Technology to Search in Multimedia Based on Content /2015-master in automatic control engineering.**
- **Voice recognition systems via VOIP networks –analytical and applied study/ 2014-master in informatics communications.**
- **The Use of Image Processing Techniques to Determine the Characteristics of the Femur/ 2013-master in computer engineering**
- **Beast Cancer Detection & Classification Using Neuro-Fuzzy Technique /2013-master in automatic control engineering.**
- **Dynamic Reset of Systems Based on Flex-ray protocol in cars/ 2013-.master in automatic control engineering.**
- **Converting Arabic Text Images into Text Files using Neural Networks/ 2011 .master in computer engineering**
- **Damping Oscillation Improvement in Electric Power Systems Using System Stabilizer Based on Fuzzy Logic /2010-master in Electric Power engineering.**
- **Face Recognition using Neural Networks / 2009-master in computer engineering.**

And others theses in progress .

- . Artificial Intelligent
- (machine learning (Neural Networks
- Fuzzy Logic
- .Robotic
 - Advanced control
 - Computer Graphics
 - Expert Systems
- Pattern Recognition
- Programming in(C++ ,Matlab , visual basic)
- Introduction to Computer
 - ,Programming Application
- ,Structure Programming ,
- Computer Skills
 - Digital Logic
 - Image Processing
 - Automatic Control
- .Programming Applications
 - Numerical Analysis
- .Computer Architecture
- .Software Engineering

● DIGITAL SKILLS

Programming Languages: C, C++, Python, Matlab | prolog | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google | Visual Studio Visual Basic | Machine Learning (Neural Networks) | Fuzzy Logic and Fuzzy Systems,

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ITALIAN	C2	C2	C2	C2	C2
ENGLISH	C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user