



Chair at Department of Computer Information Systems

Associate Professor of Data Science and Artificial Intelligence

Dr. Anas Blasi is an Associate professor in the CIS department at Mutah University. He earned the MSc in Computer Science from University of Sunderland (England) in 2010, and the Ph.D. in Computer and Systems Science from the State University of New York at Binghamton (USA) in 2014. Dr. Blasi research area is focusing on AI, Data Mining, Data Science, Machine Learning, Optimization algorithms, Fuzzy logic, and EDM. He has published several papers in reputed journals and conferences.

Anas Blasi

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Google Scholar:

https://scholar.google.com/citations?user=qf3w_DQAAAAJ&hl=en

ResearchGate:

<https://www.researchgate.net/profile/Anas-Blasi>

LinkedIn:

www.linkedin.com/in/anasblasi

Research and Teaching Interests

- Data Mining
- Big Data
- Artificial Intelligence (AI)
- Optimization Algorithms
- Fuzzy Logic and Control
- Machine Learning
- Deep Learning
- Educational Data Mining (EDM)

Education

Ph.D. Computer Systems Science - 2010-2014
State University of New York at Binghamton, USA

M.S Computer Science - 2008-2010
University of Sunderland, UK

B.A Computer Science - 2002-2006
Mutah University, Jordan

Teaching Experience

Sep 1, 2016 - In progress

Associate Professor, Computer Information Systems Department, Faculty
of Information Technology, Mutah
University, Al Karak, Jordan

Taught the following courses: (On-campus and Online)

- Advanced Artificial Intelligence (Graduate students)
- Web Application Programming
- Internet of Things (IoT)
- Fuzzy Logic, Sets and Theory
- Systems Programming
- Principles of Artificial Intelligence
- Programming Languages (C#, C++, PHP, Python)
- Database Management
- Visual Programming (VB.NET)
- Theory of Computation
- Systems Analysis and Design
- Computer Graphics
- Technical Communication Skills
- Discrete Structures
- Logic Design
- Introduction to Information Technology

*Team leader of a completed **E-ABET** system that alternates Accreditation Board of Engineering and Technology (ABET) paperwork to a dynamic website that allows the staff and the QA committee to complete all ABET tasks efficiently.

Competencies Summary

- Python for data Science
- Programming languages (Python, VB.NET, ASP.NET, C#, C++, JAVA, PHP)
- Data Mining, Business Intelligence, and Advanced Analytics
- KXEN, KNIME, Orange Canvas, Rapid Miner, WEKA, SAS, R, Unix, Anaconda
- Database Management, Reporting, and SQL
- Advanced Statistical Knowledge

Awards received

Full Scholarship for master's degree
Full Scholarship for Ph.D. Degree

Languages

English: Excellent / Writing, Reading, Speaking (TOEFL & IELTS Certificates)

Arabic: Mother Tongue

Teaching Experience

Sep 1, 2015 - Aug 31, 2016

Assistant Professor, Computer Science Department, Faculty of Information Technology, Aqaba University of Technology (AUT), Aqaba, Jordan

Director of Computer Centre
Director of Training and Consultation Centre

Taught the following courses:

- Programming Languages (1)
- Programming Languages (2)
- Artificial Intelligence
- Discrete Structure

Sep 1, 2014 - Aug 31, 2015

Assistant Professor, Computer Science Department, Faculty of Information Technology, Middle East University (MEU), Amman, Jordan

Taught the following courses:

- Programming Languages (1)
- Programming Languages (2)
- Artificial Intelligence

June 2012 - Aug 2012

Lecturer, Computer Science Department, Faculty of Information Technology, Mutah University, Al Karak, Jordan

Taught the following courses:

- Computer Networks and Security
- E-Business (Graduate Students)

June 2011 - June 2012

Teaching Assistant, Department of Computer & Systems Engineering
Binghamton University, NY, USA

- Teaching Assistant for the following courses:

- Probabilistic Systems I & II
- Fuzzy Sets and Theory

Aug 2010 - Jan 2011

Research Assistant, Watson Institute for Systems Excellence at
Binghamton University, NY, USA

April 2010 - July 2010

Lecturer, Jordan River Academy, Amman, Jordan

June 2007 - Jan 2008

Soft Skills Trainer, Jordan Youth Development Association (J.Y.D.A),
Amman, Jordan

Professional Experience

Aug 2012 - Aug 2014

Web & Programming Developer (GA), Office of Students Conduct,
Binghamton University, New York, USA

- Create and develop full visitors track project (VISITRAC) using VB.Net 2012, SQL Server 2012, and Adobe Photoshop. This project automates the processes of Dean of student office and Office of student conduct.
- Network administrator
- DBA
- Web designing using different software
- Creation of site layout/user interface from provided design concepts by using standard HTML/CSS practices.
- Development of robust and user-friendly .NET-based web applications.
- Maintenance and troubleshooting of sites and applications.
- Recreating and developing new websites.
- Data visualization using Java Scripts

• **June 2006 - June 2007**

- **IT Manager**, CAD Company for Constructions, Amman, Jordan

References

References are available upon request

Publications					
NO.	Article Title	Journal Name	Date	Vol. & No.	Pages
1	Anas H. Blasi , Mohammad Al Lababede, Mohammed Alsuwaiket. <i>“Movement Control of Smart Mosque's Domes using CSRnet and Fuzzy Logic Techniques”</i>	International Journal of Advanced Computer Science and Applications	April 2021	Vol.12 No. 3	301-308
2	Ra'Fat Al-Msie'Deen, Anas H. Blasi . <i>“Software Evolution Understanding: Automatic Extraction of Software Identifiers Map for Object-Oriented Software Systems”</i>	Journal of Communications Software and Systems	March 2021	Vol. 17 No. 1	20-28
3	Anas H. Blasi , Mohammad Ali Abbadi, Rufayda Al-Huweimel. <i>“Machine Learning Approach for Automatic Irrigation System in Southern Jordan Valley”</i>	Engineering, Technology and applied Science Research	February 2021	Vol. 11 No. 1	6609-6613
4	Anas H. Blasi , Mohammad Suwiket. <i>“Analysis of Students' Misconducts in Higher Education using Decision Tree and ANN Algorithms”</i>	Engineering, Technology and applied Science Research	December 2020	Vol. 10 No. 6	6510-6514
5	Rawabi Aroud, Anas H. Blasi , Mohammad Suwiket. <i>“Intelligent Risk Alarm for Asthma Patients using Artificial Neural Networks”</i>	International Journal of Advanced Computer Science and Applications	June 2020	Vol.11 No. 6	95-100
6	Mohammad Al Lababede, Anas H. Blasi , Mohammad Suwiket. <i>“Mosques Smart Domes System using Machine Learning Algorithms”</i>	International Journal of Advanced Computer Science and Applications	March 2020	Vol. 11 No. 3	373-378
7	Mohammad Suwiket, Anas H. Blasi , Khawla Altarawneh, <i>“Refining Student Marks Based on Enrolled Modules' Assessment Methods Using Data Mining Techniques”</i>	Engineering, Technology and applied Science Research	February 2020	Vol. 10 No. 1	5205-5010
8	Mohammad Suwiket, Anas H. Blasi , Ra'Fat Al-Msie'Deen, <i>“Formulation Module Assessment for Improved Academic Performance Predictability in Higher Education”</i>	Engineering, Technology and applied Science Research	June 2019	Vol. 9 No. 3	4287-4291
9	Ra'Fat Al-Msie'Deen, Anas H. Blasi , <i>“Supporting software documentation with source code summarization”</i>	International Journal of Advanced and Applied Sciences	Nov 2018	Vol. 6 No. 1	59-67
10	Anas Blasi , <i>“Scheduling Food Industry System Using Fuzzy Logic”</i>	Journal of Theoretical and Applied Information Technology	October 2018	Vol.96 No. 19	6463-6473
11	Ra'Fat Al-Msie'Deen, Anas H. Blasi , <i>“The Impact of the Object-Oriented Software Evolution on Software Metrics: The Iris Approach”</i>	Indian Journal of Science and Technology	Feb 2018	Vol 11 No. 8	1-13
12	Anas Blasi , <i>“Performance Increment of High School Students Using ANN Model and SA Algorithm”</i>	Journal of Theoretical and Applied Information Technology	June 2017	Vol.95 No. 11	2417-2425

13	Salameh Al-Etaywi, Maamoun Ahmed, Anas Blasi , “ <i>Video Multi-Searcher: An Intelligent Text- Based Indexing E-Learning System</i> ”	European Scientific Journal	July 2016	Vol. 12 No. 21	
14	Anas Blasi , “ <i>Decrement of Students' Incidents in Higher Education Using Artificial Neural Network (ANN) and Multinomial Logistic Regression (MLR)</i> ”	Industrial and Systems Engineering Research Conference	May 2015		
Editorial Team		International Journal of Open Information Technologies	2015		
Conference Track Chair		Industrial and Systems Engineering Research Conference (ISERC '15)	2015		
Program Committee		Mosharaka for Research and Studies	2018		

Graduate Students Supervision			
	Student Name	Thesis Title	Date
1	Al Nawras Btoush	Feature Extraction of EEG Signals for Seizure Detection Using Machine Learning Algorithms	2021
2	Tohama Ja'afreh	Design of Cover Image Steganography System Using Least Significant Bit Method	2021
3	Rawaby Oroud	A Novel Fuzzy Linguistic Fusion Approach to Machine Learning Algorithms and Deep Learning for COVID-19 Detection	2021