Dr.Rabih Ali Sbera

Phd Control Engineering



Contact

Address:
kessab, Lattakia, Syria
Al-karkh ,Baghdad,Iraq
Phone:
+963 989 375 044
+964 7875321537
Email:
Rabihsbera1989@gmail.com
Rabih.alisbera@au.edu.iq

Languages

Arabic
English – Advanced

Skill Highlights

- Project management
- Analytic reasoning
- Problem solving
- Creative
- Communication skills
- Leadership Experience

Professional Experience

2013-2023: Teacher - Department of Computer Engineering and Automation Control - Tishreen University –Syria.
2013-2023: Teacher- Architecture Engineering - Tishreen University –Syria.
2013-2023: Teacher – Computer Technical Institute- Tishreen University –Syria.
2024-2026: Teacher-Department of Computer Engineering Techniques & Department of Cyber Security Engineering -Ashur University-Iraq.

Education

2008-2012: Bachelor of Computer and Control Engineering- Tishreen University –Syria.
2014-2018: **Master's Degree in Control Engineering** - Tishreen University –Syria.
Thesis Title: "Improving of Fuzzy Controller Performance for Tracking Maximum Power Point in Solar Cells by Using Genetic Algorithm" - Tishreen University -Syria.
2019-2023: PhD in Control Engineering- Tishreen University – Syria.
Thesis Title: "Stabilization of CUBESAT on Orbit Using Intelligent Control "-Tishreen University -Syria.

Teaching Experience

I was responsible for teaching the practical section in multiple courses.

- **Tishreen University – Syria**

1. Object Oriented Programming (java)
2. Object Oriented Programming (python)
3. Object Oriented Programming (C++)
4. Computer skills (Office)
5. Advanced Control (PLC)
6. Automatic Control
7. Skills (Matlab)
8. Computer Aided Design (AUTOCAD)

- **Arab Academy for Science , Technology & Maritime Transport -Syria**

1- Automatic Control 2017.

• Ashur university-Iraq

1- Digital Fundamentals.
2- Professional Ethics.
3- Digital Systems.
4- Digital System Design.
5- Advanced Digital Design.
6- Microcontrollers.
7- Digital Control.
8- Advanced Control.
9- Python Programing.
10- Object Oriented Programing .
11- Digital Electronics .
12- Computer Applications(Matlab,Office) .
13- Graduation Projects.

• Scientific Publications

1. Rabih Sbera, Bilal Chiha.“ Studying the effects of the external Forces on 1U CUBESAT” .Tishreen University Journal for Research and Scientific Studies, Syria, 2021.
2. Rabih Sbera, Bilal Chiha,Hasan Alahmad .“ Studying and Analysis of Parameters Affecting on Lifetime of a 1U CUBESAT Spins in a Low Orbit” .Tartous University Journal for Research and Scientific Studies, Syria, 2022.
3. Rabih Sbera, Bilal Chiha,Hasan Alahmad.“ Magnetic Torque Coil (Control Torque) Design for a 1U CUBESAT at Low Orbit” Al Baath Journal, Syria, 2022.
4. Rabih Sbera, Bilal Chiha, Hasan Alahmad .“ Increasing The Attitude Estimation Accuracy of a 1U CUBESAT on Low Orbit Using the Developed Extended Kalman Filter Algorithm”.Tishreen University Journal for Research and Scientific Studies, Syria, 2023.
5. Rabih Sbera, Oulfat Jolaha ."Comparison between performances of SUGENO and MAMDANI fuzzy logic controllers in tracking maximum power point path in photovoltaic panels”. Tishreen University Journal for Research and Scientific Studies, Syria, 2017.
6. Hanadi Simmak, Ahmed A El-Douh, Tareef S Alkellezli, Rabih Sbera,et al."Improving the Routing Security in Wireless Sensor Networks using Neutrosophic Set and Machine Learning Models".Neutrosophic Sets and Systems, University of New Mexico Vol. 87, 2025.
7. Ahmad M. Nagm, Mamdouh Gomaa, Rabih Sbera,et al. "Neutrosophic Set and Machine Learning Models for Detection of DoS Attack Resilience". Neutrosophic Sets and Systems, University of New Mexico , Vol. 87, 2025.
8. Rabih Sbera,et al.” Location Selection of Migrating Beetles Under Neutrosophic Model with Sensitivity and Comparative Analysis”. Neutrosophic Systems With Applications,Vol,25(7) ,2025.
9. Hassan W. Hilou, Rabih Sbera, Mahmoud Mahfuri. “Optimizing Large Language Models for Low- Resource Languages: A Transfer Learning Approach”. International Conference on Business Analytics for Technology and Security,2025.
10. Darin Shafek,Rabih Sbera,et al.”.Content Based Image Retrieval Using fused AlexNet and ResNet-50 neural networks”. International Conference On Cyber Resilience Iccr,2025 .
11. Rabih Sbera,et al. "Artistic Diffusion: A Hybrid Model for Copyright-Protected Text-to-Image Generation with Style Preservation". Multicriteria Algorithms with Applications, (2025) 50-64.

Research Interests

Intelligent Control, Optimization Algorithms, CUBESAT Control Systems, Fuzzy Logic and Machine Learning Applications.

Skills

1. ICDL certificate.
2. Management traning courses.
3. Experience in programming languages (java,Matlab, c++, Visual Basic, Python,processing).
4. Supervision of computer laboratories (maintenance - downloading programs) Tishreen University .
5. Supervision of graduation projects for students of computer and automatic control engineering.
6. Working on Electronic Platforms for Teaching.
7. Languages: Arabic - English (excellent).