

Faezeh Farivar

PhD, Assistant Professor, IEEE Senior Member

Dept. of Computer & Mechatronics Eng., Faculty of Electrical and Computer Eng.,
Science and Research Branch, Azad University (IAU), Tehran, Iran

Representative of IEEE Women in Engineering (IEEE-WIE) Committee, IEEE-IRAN Section

Director of Advanced Network Security Lab. in Cyber Physical Systems, <https://www.anslab.org>

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RESEARCH INTERESTS

- Cyber Physical Systems (CPS)
- CPS Security
- Machine Learning & Intelligent Systems
- Control Systems

EDUCATION

- **Doctor of Philosophy (Ph.D.)**, Major: Control & System Engineering, from Science and Research Branch, Azad University (IAU), Iran, GPA=98.55/100, 2007- 2011.
- **Master of Science**, Major: Mechatronics Engineering, from Science and Research Branch, Azad University (IAU), Iran, GPA=95.80/100, 2005- 2007.
- **Bachelor of Science**, Major: Biomedical Engineering, Bio-electrics, from Science and Research Branch, Azad University (IAU), Iran, GPA=81.95/100, 2000- 2004.

ACADEMIC & WORK EXPERIENCE

- **Assistant Professor**, Dept. of Computer & Mechatronics Eng., Faculty of Electrical and Computer Eng., Science and Research Branch, IAU, Iran, 2011-Present.
- **Director of Advanced Network Security Lab. (ANSLab) in Cyber Physical Systems**, <https://www.anslab.org>, School of Electrical and Computer Eng., University of Tehran, Iran, 2016-Present.
- **Post-Doctoral Fellow**, Fault Detection and Identification Research Lab (FDI Lab), Dept. of Control Eng., K. N. Toosi University of Tech., Iran, 2013-2014.
- **Post-Doctoral Fellow**, Research Institute of Robotics, Artificial Intelligence, and Information Science(RAIIIS), School of Electrical and Computer Eng., University of Tehran, Iran, 2011- 2012.
- **Lecturer**, Dept. of Computer & Mechatronics Eng., Science and Research Branch, IAU, Iran, 2010-2011.
- **Lecturer**, Dept. of Electrical & Computer Eng., Sama Branch, IAU, Tehran, Iran, 2009-2010.
- **Research Assistant**, Intelligent Systems Research Lab. (IS Lab), K. N. Toosi University of Tech., Iran, 2006-2011.

JOURNAL PUBLICATIONS

1. **F. Farivar**, A. Jolfaei, M. Manthouri, MS. Haghighi, "Application of fuzzy learning in IoT-enabled remote healthcare monitoring and control of anesthetic depth during surgery", **Information Sciences**, doi:10.1016/j.ins.2022.12.094, 2023. (IF=8.233)
2. **F. Farivar**, MS. Haghighi, A. Jolfaei, S. Wen, "On the Security of Networked Control Systems in Smart Vehicle and its Adaptive Cruise Control", **IEEE Transactions on Intelligent Transportation Systems**, Vol. 22, Issue 6, pp. 3824 – 3831, 2021. (IF=6.492)
3. **F. Farivar**, MS. Haghighi, A. Jolfaei, S. Wen, "Covert Attacks through Adversarial Learning: Studying the Effect of Lane Keeping Attacks on the Safety of Autonomous Vehicles", **IEEE/ASME Transactions on Mechatronics**, Vol. 26, Issue 3, pp. 1350 – 1357, 2021.(IF=5.303)
4. **F. Farivar**, MS. Haghighi, A. Jolfaei, M. Alazab, "Artificial Intelligence for Detection, Estimation, and Compensation of Malicious Attacks in Nonlinear Cyber Physical Systems and Industrial IoT", **IEEE Transactions on Industrial Informatics**, Vol. 4, pp. 2716-2725, 2020. ("Chancellor's award for the best paper in engineering at the 8th IAU Scholars Festival, April 2021") & (Highly Cited Paper in WOS) (IF=10.215)
5. MS. Sadeghi G., **F. Farivar**, MS. Haghighi, A. Jolfaei, "Detection of Anomalies in Industrial IoT Systems by Data Mining: Study of Christ Osmotron Water Purification System", **IEEE Internet of Things Journal**, Vol. 8, Issue 13, pp. 10280 – 10287, 2021. (IF=9.471)
6. MS. Haghighi, A. Sheikhsafari, A. Jolfaei, **F. Farivar**, S. Ahmadzadeh, "Automation of Recording in Smart Classrooms via Deep Learning and Bayesian Maximum a Posteriori Estimation of Instructor's Pose", **IEEE Transactions on Industrial Informatics**, Vol. 17, Issue 4, pp. 2813 - 2820, 2021. (IF=10.215)
7. MS Haghighi; **F. Farivar**; A. Jolfaei, "A Machine Learning-based Approach to Build Zero False-Positive IPSs for Industrial IoT and CPS with a Case Study on Power Grids Security", **IEEE Transactions on Industry Applications**, DOI: 10.1109/TIA.2020.3011397, 2020. (IF=3.654)
8. MS. Haghighi, **F. Farivar**, A. Jolfaei, MH. Tadayon, "DoS-tolerant Control of Cyber-Physical Rotary Gantry Systems through Intelligent Control", **Journal of Supercomputing**, Vol. 76, pp. 3036-3085, 2020. (IF=2.474)
9. N. Shahabi Sani, M. Manthouri, **F. Farivar**, "A Multi-Objective Ant Colony Optimization Algorithm for Community Detection in Complex Networks", **Journal of Ambient Intelligence and Humanized Computing**, Vol. 11, pp. 5-21, 2020. (IF=7.104)
10. **F. Farivar**, M. Aliyari Sh., M. Manthouri, "Improved Teaching-Learning based Optimization Algorithm using Lyapunov Stability Analysis", **Journal of Ambient Intelligence and Humanized Computing**, DOI 10.1007/s12652-020-02012-z, 2020. (IF=7.104)
11. H.A. Ghiassirad, M. Aliyari Sh., **F. Farivar**, "Application of Constrained Learning in Making Deep Networks More Transparent, Regularized, and Biologically Plausible", **Engineering Applications of Artificial Intelligence**, Vol. 85, pp. 421-428, 2019. (IF=6.212)
12. H. Yektaei, M. Manthouri, **F. Farivar**, "Diagnosis of Breast Cancer Using Multi Scale Convolutional Neural Network", **Biomedical Engineering: Applications, Basis and Communications**, Vol. 31, No. 5, 2019.
13. **F. Farivar**, M. Aliyari Sh., "Stability Analysis of Particle Dynamics in Gravitational Search Optimization Algorithm", **Information Sciences**, Vol. 337-338, pp. 25-43, 2016. (IF= 6.795)
14. **F. Farivar**, M. Nili Ahmadabadi, "Continuous Reinforcement Learning to Robust Fault Tolerant Control for a Class of Unknown Nonlinear Systems", **Journal of Applied Soft Computing**, Vol.37, pp. 702-714, 2015. (IF= 6.725)
15. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlal, "Synchronization of Under-Actuated Unknown Heavy Symmetric Chaotic Gyroscopes via Optimal Gaussian Radial Basis Adaptive Variable Structure Control ", **IEEE Transactions on Control Systems Technology**, Vol. 21, Issue 6, pp. 2374-2379, 2013. (IF= 5.485)
16. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlal, "Chaos Control and Modified Projective Synchronization of Unknown Heavy Symmetric Chaotic Gyroscope Systems via Gaussian Radial Basis Adaptive Backstepping Control", **Journal of Nonlinear Dynamics** (Springer), Vol.12, No.3, pp.1913-1941, 2012. (IF=5.022)

17. **F. Farivar**, M. Aliyari Sh., "Fault Tolerant Synchronization of Chaotic Heavy Symmetric Gyroscope Systems versus External Disturbances via Lyapunov Rule-Based Fuzzy Control", **Journal of ISA Transactions**, Vol. 51, pp.50-64, 2012. **(IF=5.468)**
18. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlalab, "Chaos Control and Generalized Projective Synchronization of Heavy Symmetric Chaotic Gyroscope Systems via Gaussian Radial Basis Adaptive Variable Structure Control", **Journal of Chaos, Solitons and Fractals**, Vol.45, pp.80-97, 2012. **(IF=5.944)**
19. **F. Farivar**, M. Aliyari Sh., M. Teshnehlalab, "An Interdisciplinary Overview and Intelligent Control of Human Prosthetic Eye Movements System for the Emotional Support by a Huggable Pet-Type Robot from a Biomechatronical View Point", **Journal of Franklin Institute**, Vol. 349, pp. 2243-2267, 2012. **(IF=4.504)**
20. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlalab, "Generalized projective synchronization of uncertain chaotic systems with external disturbance", **Journal of Expert Systems with Applications**, Vol.38, pp.4714-4726, 2011. **(IF=6.954)**
21. A. Esfandiari; **F. Farivar**; H. Khaloozadeh, "Fractional-order Binary Bat Algorithm for Feature Selection on High-dimensional Microarray Data", **Journal of Ambient Intelligence and Humanized Computing**, accepted, 2022. **(IF=3.662)**
22. A. Esfandiari; H. Khaloozadeh;**F. Farivar**, "Interaction-based Clustering Algorithm for Feature Selection: A Multivariate Filter Approach", **International Journal of Machine Learning and Cybernetics**, accepted, 2022. **(IF= 4.377)**
23. **F. Farivar**, M. Aliyari Sh., M. Teshnehlalab, MA. Nekoui, "Modified Projective Synchronization of Unknown Chaotic Dissipative Gyroscope Systems via Gaussian Radial Basis Adaptive Variable Structure Control", **Journal of Vibration and Control**, Vol.19, No.4, pp.491-506, 2012. **(IF=3.095)**
24. **F. Farivar**, MA. Nekoui, M. Aliyari Sh., M. Teshnehlalab, "Modified Projective Synchronization of Chaotic Dissipative Gyroscope Systems via Backstepping Control", **Indian Journal of Physics** (Springer), Vol.86 , 2012. **(IF=1.947)**
25. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlalab, "Generalized Projective Synchronization for Chaotic Systems via Gaussian Radial Basis Adaptive Backstepping Control", **Journal of Chaos, Solitons and Fractals**, Vol.42, No.2, pp.826-839, 2009. **(IF=5.944)**
26. M. Rostami K., **F. Farivar**, M. Aliyari Sh., "Control of Flexible Joint Manipulator via Variable Structure Rule-Based Fuzzy Control and Chaos Anti-Control with Experimental Validation", *Journal of Intelligence Systems in Electrical Engineering*, 4th year, No. 4, pp.1-12, 2014.
27. **F. Farivar**, MA. Nekoui, M. Aliyari Sh., M. Teshnehlalab, "Evolutionary Algorithms to Compute the Optimal Parameters of Gaussian Radial Basis Adaptive Backstepping Control for Chaotic Systems", *Universal Journal of Control and Automation*, Vol. 2, No. 1, pp. 25-31, 2014.
28. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlalab, "Generalized Projective Synchronization of Chaotic Heavy Gyroscope Systems Via Sliding Rule-Based Fuzzy Control", *Journal of ISRN Artificial Intelligence*, doi:10.5402/2012/576873, Vol. 2012, Article ID 576873, pp.1-10, 2012.
29. **F. Farivar**, M. Aliyari Sh., M. Teshnehlalab, MA. Nekoui, "Chaos Control and Modified Projective Synchronization of Chaotic Dissipative Gyroscope Systems", **Journal of Energy and Power Engineering**, Vol.6, pp.90-100, 2012.
30. M. Rostami K, **F. Farivar**, M. Aliyari Sh., "Lyapunov Based Control of Flexible Joint Manipulator with Experimental Validation by Using Chaotic Gyroscope Synchronization", *International Journal of Mechanical Systems Engineering*, Vol.2, No.4, pp.169-175, 2012.
31. Saedian, H. Zarabadipour, M. Aliyari Sh., **F. Farivar**, "Fault Tolerant Control of Mechatronics System based on Hybrid Control", *International Journal of Physical Sciences*, Vol. 7, No. 12, pp. 1949 - 1958, 2012.
32. M. Zamani P, M. Aliyari Sh., **F. Farivar**, M. Rostami K., "Hybrid Concepts of the Control and Anti-Control of Flexible Joint Manipulator", *International Journal of Robotics*, Vol.2, No.1, 2011.
33. **F. Farivar**, MA. Nekoui, M. Teshnehlalab, M. Aliyari Sh., "Neural Sliding Mode Control for Chaos Synchronization of Uncertain Nonlinear Gyros", *Journal of Advances and Applications in Mathematical Sciences*, Mili

publications, Vol.4, issue.1, pp.41-56, 2010.

34. **F. Farivar**, M. Aliyari Sh., M. Teshnehlal, MA. Nekoui, "Hybrid control of flexible manipulator", **Journal of Applied Sciences**, Vol.9, No.4, pp.639-650, 2009.
35. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlal, "Gaussian radial basis adaptive backstepping control for a class of nonlinear systemsControl", **Journal of Applied Sciences**, Vol.9, No.2, pp.248-257, 2009.
36. [Persian] MS. Haghighi, **F. Farivar**, "Stability Analysis of Networked Control Systems under Denial-of-Service Attacks using Switching System Theory", *Journal of Information and Communication Technology*, Vol. 13, Issue 49, pp. 115 – 134, 2021.
37. [Persian] K. Ghaemi Osgouie, A. Haghighatpars, **F. Farivar**, "Task space path following for planar redundant robots using Pontryagin's principle in optimal control", *The Iranian Journal of Mechanical Engineering*, Vol. 22, Issue 1, No. 58, DOI: 10.30506/IJMEP.2020.90792.1441, 2020.
38. [Persian] H.A. Ghiassirad, M. Aliyari Sh., **F. Farivar**, "Comparison of 21 constraints in a stochastic descending gradient algorithm using kernel methods", **Journal of Iranian Association of Electrical and Electronics Engineers**, accepted, 2022.
39. [Persian] P. Rezaee, **F. Farivar**, M. Manthouri, "Fault-Tolerant Control of Wind Turbine Systems using Fuzzy Sliding Mode Control", *Journal of Modelling in Engineering*, accepted, 2022.

In Progress Journals

1. MS. Haghighi, **F. Farivar**, A. Jolfaei, A. Bayrami Asl, "Cyber Attacks via Consumer Electronics: Studying the Threat of Covert Malware in Smart and Autonomous Vehicles", under review, 2022.
2. H.A. Ghiassirad, **F. Farivar**, M. Aliyari Sh., MS. Haghighi, A. Jolfaei, "How to Fool the DeepFool: Defending against Adversarial Machine Learning Attacks by using Biologically Inspired Binomial Neurons", under review, 2022.
3. M. Darab, H. Moradi, **F. Farivar**, "Automatic Sitting-Posture Detection for Human Body Language Recognition using Deep Neural Networks", under review, 2022.
4. MS. Haghighi, **F. Farivar**, "Stochastic DoS-Tolerant Control of Cyber-Physical Systems with a Case Study on Networked Rotary Gantry", To be submitted, 2022.
5. MS. Haghighi, **F. Farivar**, B. Shirinzadeh, "A Hybrid Swarm-DE Intelligence Optimization Algorithm Using Reinforcement Learning Control with a Case Study in Computer Virus Propagation", To be submitted, 2022.

CONFERENCE PROCEEDINGS

1. **F. Farivar**, MS. Haghighi, S. Barchinezhad, A. Jolfaei, "Detection and Compensation of Covert Service-Degrading Intrusions in Cyber Physical Systems through Intelligent Adaptive Control", the **20th IEEE International Conference on Industrial Technology (ICIT)**, 2019.
2. M. Salehi, **F. Farivar**, "State Feedback Control Design of Cars Wings in Order to Improve Road-Holding on Corners of Roads", the **5th Conference on Knowledge-Based Engineering and Innovation (IEEE-KBEI)**, 2019.
3. M. Salehi, M. Ahmadi, **F. Farivar**, "Model of car wing active control in order to increase stability of car on corners of road", **IEEE-International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT 2016)**, 2016.
4. **F. Farivar**, "Fault Tolerant Synchronization for a Class of Uncertain Chaotic Systems with Model Uncertainty and External Disturbances Using Fuzzy Sliding Mode Control", the **9th Asian Control Conference**, 2013.
5. **F. Farivar**, H. Yaghini B., MH. Kani, M. J. Yazdanpanah, M. Nili Ahmadabadi, "Comparing Energy Efficiency of Hopping Systems with Linear and Piecewise Linear Spring", the **15th International Conference on Climbing and Walking Robots (CLAWAR 2012)**, Johns Hopkins University, 2012.
6. A. Saedian, H. Zarabadipour, M. Aliyari Sh., **F. Farivar**, "Inverted Pendulum Fault Tolerant Control Based on Fuzzy Backstepping Design and Anti-Control of Chaos", the **3rd IFAC CHAOS Conference**, 2012.
7. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlal, "Chaos Synchronization for a Class of Chaotic Systems

- with Model Uncertainty and External Disturbances”, **IEEE International Conference on Mechatronics**, 2011.
8. **F. Farivar**, M. Aliyari Sh., “Fault Tolerant Synchronization of Chaotic Heavy Symmetric Gyroscope Systems via Gaussian RBF Neural Network Based on Sliding Mode Control”, **IEEE International Conference on Mechatronics**, 2011.
 9. M. Rostami K., **F. Farivar**, M. Zamani P., M. Aliyari Sh., “Variable Structure Control and Anti-Control of Flexible Joint Manipulator with Experimental Validation”, **IEEE International Conference on Mechatronics**, 2011.
 10. **F. Farivar**, M. Rostami K., M. Aliyari Sh., “Intelligent Control of Human Prosthetic Eye Movements System for the Emotional Support by a Huggable Pet-Type Robot via Gaussian RBF Neural Network Based on Sliding Mode Control”, **the 2nd International Conference on Control, Instrumentation, and Automation**, IEEE Indexed, 2011.
 11. M. Zamani P., **F. Farivar**, M. Aliyari Sh., “Feedback Linearization and Chaotic Anti-Control of Flexible Joint Manipulator with Experimental Validation”, **the 2nd International Conference on Control, Instrumentation, and Automation**, IEEE Indexed, 2011.
 12. M. Rostami K., **F. Farivar**, H. Moradi, “A Tethered Aerial Robot for Rescue Operations: Dynamic Modeling and Control”, **the 1st RSI/ISM International Conference on Robotics and Mechatronics (ICRoM)**, 2013.
 13. M. Rostami K., **F. Farivar**, M. Aliyari Sh., “Control and Anti-Control of Rotary Gantry via Gaussian Radial Basis Function Neural Networks by using Chaotic Gyroscope Synchronization”, **the Iranian Conference on Chaos, Fractals and Complex Systems (CFCS)**, 2011.
 14. N. Farzbod, H. Zarabadipour, M. Aliyari Sh., **F. Farivar**, “Sliding Adaptive Fuzzy Control for a Class of Time-Delayed Chaotic Systems”, **IEEE International Conference on Fuzzy systems**, 2011.
 15. N. Farzbod, H. Zarabadipour, M. Aliyari Sh., **F. Farivar**, “Generalized Projective Synchronization of Time-Delayed Chaotic Systems via Sliding Adaptive Fuzzy Control”, **IEEE International Conference on Fuzzy systems**, 2011.
 16. N. Farzbod, H. Zarabadipour, M. Aliyari Sh., **F. Farivar**, “Generalized Projective Synchronization of Time-Delayed Chaotic Systems via Sliding Adaptive Radial Basis Function Neural Network Control”, **the 19th Iranian Conference on Electrical Engineering**, 2011.
 17. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlab, “Chaos Synchronization of Uncertain Nonlinear Gyros via Hybrid Control”, **IEEE/ASME International Conference on Advanced Intelligent Mechatronics**, 2009.
 18. **F. Farivar**, M. Aliyari Sh., MA. Nekoui, M. Teshnehlab, “Sliding Mode Control of Flexible Joint Using Gaussian Radial Basis Function Neural Networks”, **International Conference on Computer and Electrical Engineering**, 2008.

RESEARCH FUNDS/GRANTS

- Increasing the Resilience of Cyber Physical Systems against Cyber Intrusions using Intelligent Robust Compensators, Institute for Research in Fundamental Science (IPM), Iran, 2022.
- Detection and Compensation of Adversarial Learning Cyber Intrusions to Smart and Autonomous Vehicles, Institute for Research in Fundamental Science (IPM), Iran, 2021.
- Detection, Estimation, and Compensation of Malicious Attacks in Cyber-Physical Systems using Intelligent Control Methods, Institute for Research in Fundamental Science (IPM), Iran, 2020.
- Research Sponsorship, Science and Research Branch of Tehran, IAU, Iran, 2013.
- Machine Learning Approaches to Fault Tolerant Control Systems, Research Institute of Robotics, Artificial Intelligence, and Information Science, University of Tehran, Iran, 2012.
- Hopping Systems with Linear and Piecewise Linear Springs, Research Institute of Robotics, Artificial Intelligence, and Information Science, University of Tehran, Iran, 2011.
- Control of Chaotic Systems, Science and Research Branch of Tehran, IAU, 2009.

PROFESSIONAL MEMBERSHIPS

- **Journals Editorial Board Membership,**
 - IET - CAAI Transactions on Intelligence Technology, 2016-2019
<https://web.archive.org/web/20181202162800/http://digital-library.theiet.org/journals/trit/editors>
- **Representative of Women in Engineering (WIE) Committee, IEEE, 2015-Present**
<https://www.ieee.org.ir/committees/women-in-engineering/chair-members/>
- **Technical Program Committee Membership, 2011**
 - 4th International Conference Intelligent Robotics and Applications (ICIRA)
- **IEEE Membership, 2014-present**
- **IEEE Senior Membership, 2020-present**

SUPERVISION

- **Master students,** Over 52 Master students at Dept. of Computer & Mechatronics Eng., IAU
- **PhD students,** Four PhD Students at Dept. of Computer & Mechatronics Eng., IAU

TEACHING EXPERINCES

- **Advanced Mechatronics (Mechatronics II),** A 3-unit Postgraduate Course at IAU
- **Mechatronics,** A 3-unit Postgraduate Course at IAU
- **Advanced Automatic Control,** A 3-unit Postgraduate Course at IAU
- **Nonlinear Control Systems,** A 3-unit Postgraduate Course at Science and Research Branch, IAU
- **Advanced Artificial Neural Networks,** A 3-unit Postgraduate Course at IAU
- **Modeling and Identification of Cyber-Physical Systems,** A 3-unit Postgraduate Course at IAU
- **Research Techniques,** A 2-unit Postgraduate Course at IAU,
- **Engineering Mathematics,** A 3-unit Undergraduate Course at IAU
- **Differential Equations,** A 3-unit Undergraduate Course at IAU
- **Electronics Circuits-I,** A 3-unit Undergraduate Course at IAU
- **MATLAB Software,** A 2-unit Undergraduate course at North Branch, IAU

OTHER ACADEMIC CONTRIBUTIONS

- **Reviewer/Referee of Journals**
 - IEEE Transactions on Systems, Man, and Cybernetics: Systems
 - IEEE Internet of Things Journal
 - IEEE Transactions on Intelligent Transportation Systems
 - IEEE Transactions on Fuzzy Systems
 - IEEE Transactions on Technology Control Systems
 - IEEE Sensors Journal
 - IEEE/ACM Transactions on Computational Biology and Bioinformatics
 - ACM Transactions on Internet Technology
 - Journal of ISA Transactions
 - Journal of Control, (IRAN)
- **WORKSHOP ORGANIZER**
 - Introduction to Mechatronics, Eslamshahr Branch, IAU, 16 Dec. 2011
 - Introduction to Mechatronics, Maybod Branch, IAU, 16 Dec. 2008

COMPUTER SKILLS

- **General Software**
LaTeX, Microsoft Office (Word, Excel, PowerPoint), Microsoft Project, Microsoft Visio
- **Advanced Software**
MATLAB, Pspice, Orcad, Electronic Work Bench, SPSS

REFERENCES

- **Dr. Mohammad Sayad Haghighi**
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- **Dr. Alireza Jolfaei**
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