



Saeed Khorashadizadeh

Assistant Professor

Faculty: Electrical and Computer Engineering

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Education

Degree	Graduated in	Major	University
BSc	2009	Electrical Engineering-Control	Ferdowsi University of Mashhad
MSc	2011	Electrical Engineering-Control	Shahrood University of Technology
Ph.D	2015	Electrical Engineering-Control	Shahrood University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Faculty of Electrical and Computer Engineering		Tenure Track	Full Time	10

Executive Experiences

- **Deputy Head of the Power Engineering Department**, Faculty of Electrical and Computer Engineering, University of Birjand — *2018–2019*
- **Advisor for Exceptional Talents**, Faculty of Electrical and Computer Engineering, University of Birjand — *2016–2020*
- **Advisor to Martyr and Veteran Students**, Faculty of Electrical and Computer Engineering, University of Birjand — *2020–2023*
- **Deputy Director**, South Khorasan Science and Technology Park — *2022–2024*
- **Director-in-charge**, *Iranian Journal of Power Engineering* — *2021–2025*
- **Member**, Research Committee of Shahid Kaveh Combined Cycle Power Plant, Qaen — *2020–2025*
- **Founder of the Master's Program in Robotics Engineering**, University of Birjand — *2023*
- **Executive Secretary**, The 8th Conference on Renewable Energies and Distributed Generation of Iran, University of Birjand — *March 2021*

Teaching Areas

- Fundamentals of Robotics
- Adaptive Control
- Fuzzy Control
- Electromagnetics
- Numerical Computations
- Linear Algebra
- Neural Networks
- Robot Control
- Industrial Control Laboratory
- Instrumentation Laboratory

Conference Papers

1. Saeed Khorashadizadeh, Sajjad Yari, & Alghar, Kamran moradi Golmakani, Second Order Sliding Mode Controller for a Bridgeless Boost Power Factor Correction, دوازدهمین کنفرانس بین المللی, تهران, ۲۰۲۲, ۱۲-۱۳, pp. 0-0, شبکه های هوشمند انرژی.
2. Mohammadhassan Majidi, Reyhaneh Taghizadeh Khankook, Saeed Khorashadizadeh, Melanoma skin cancer images classification based on deep neural network and super classifier, سیرجان, ۲۰۲۴, ۱۰-۲۳, pp. 0-0, نوزدهمین کنفرانس ملی سیستم های هوشمند ایران.
3. Saeed Khorashadizadeh, Robust State Feedback Control of DC-DC Boost Converter using Legendre Polynomials, سومین کنفرانس بین المللی ماشین ها و محرکه های الکتریکی, تهران, ۲۰۲۳, ۱۲-۲۰, pp. 0-0.
۴. حسن فرسی, محمدعلی کاظمی مغستان, محمدحسن مجیدی, سعید خراشادی زاده, ناحیه بندی ضایعات پوس تی با استفاده از روش K-means, اولین کنفرانس هوش مصنوعی و پردازش هوشمند, شماره صفحات ۰-۰, سمنان, ۲۰۲۲, ۰۸-۳۱.
۵. محمدحسن مجیدی, سیدحسام الدین هاشمی, سعید خراشادی زاده, تخمین توان دریافتی و کیفیت ارتباط کاربران تلفن همراه با استفاده از شبکه عصبی, هفتمین کنفرانس بین المللی پردازش سیگنال و سیستم های هوشمند ایران, شماره صفحات ۰-۰, تهران, ۲۰۲۱, ۱۲-۲۹.
۶. سعید خراشادی زاده, پیمان نجاری, کنترل مبدل بوست با در نظر گرفتن اثر اشباع ورودی, همایش ملی نوآوری و فناوری های نوین و کاربردی در مهندسی برق و کامپیوتر, شماره صفحات ۰-۰, بهبهان, ۲۰۲۱, ۰۹-۰۵.
۷. سعید خراشادی زاده, پیمان نجاری, طراحی جبران ساز ضد اشباع جدید برای کنترل غیرخطی مبدل بوست, همایش ملی نوآوری و فناوری های نوین و کاربردی در مهندسی برق و کامپیوتر, شماره صفحات ۰-۰, بهبهان, ۲۰۲۱, ۰۹-۰۵.
۸. سعید خراشادی زاده, پیمان نجاری, طراحی کنترلر تطبیقی برای تنظیم ولتاژ مبدل بوست با استفاده از چند جمله ایهای متعامد, هشتمین کنفرانس انرژی های تجدیدپذیر و تولید پراکنده ایران, شماره صفحات ۰-۰, بیرجند, ۲۰۲۱, ۰۳-۱۳.
۹. سعید خراشادی زاده, فاطمه شخصی دستگاہیان, محسن فرشاد, پیش بینی سری ه ای زمان ی آشوبناک نیروی باد از طریق سوئیچینگ داده محور و یادگیری دسته جمع ی, هشتمین کنفرانس انرژی های تجدیدپذیر و تولید پراکنده ایران, شماره صفحات ۰-۰, بیرجند, ۲۰۲۱, ۰۳-۱۳.
۱۰. مهدی ملازاده, ناهید مجیدی خلیل آباد, ابوالفضل اکبرپور, سعید خراشادی زاده, شناسایی نشت در سیستم انتقال آب با استفاده از فیلتر کالمن و مدل سازی هیدرولیکی, چهارمین کنفرانس بین المللی برنامه ریزی و مدیریت محیط زیست, شماره صفحات - , تهران, ۲۰۱۷, ۰۵-۲۳.

11. Saeed Khorashadizadeh ,Fractional Order Sliding Mode Blood Glucose Control Using Functions Approximation Techniques , اولین کنفرانس ملی سیستم ها و فناوری محاسباتی مراقبت از سلامت , pp. 0-0 , ۱۷۰۴۲۰۱۹, بیرجند.

Journal papers

1. Nasser Mehrshad,Saeed Khorashadizadeh,Mohsen Farshad,Adaptive Fuzzy Control of Blood Glucose Level in Patients with Type 1 Diabetes in Presence of Input Saturation,international journal of industrial electronics control and optimization,Vol. 2,No. 8,pp. 117-127,2025,isc.
2. Nasser Mehrshad,Saeed Khorashadizadeh,Mohsen Farshad,Adaptive fuzzy control of blood glucose level in patients with type 1 diabetes in presence of input saturation,international journal of industrial electronics control and optimization,pp. 1-11,2024,isc.
3. Saeed Khorashadizadeh,soroush sarmad,Reza Khosravi,MOHAMMAD ALI SHAMSI NEJAD,Adaptive PI controller for voltage regulation of KY converter,COMPUTERS & ELECTRICAL ENGINEERING,Vol. 3,No. 122,pp. 109995-109996,2025,JCR•Scopus.
4. Saeed Khorashadizadeh,Alireza Izadbakhsh,,Chaos synchronization using q-Chlodowsky operators as uncertainty approximator,Journal of Vibration and Control,Vol. 12,No. 54,pp. 767-783,2023,JCR•Scopus.
5. Saeed Khorashadizadeh,Ali Deylami,Alireza Izadbakhsh,Observer-based Versus Non-observer Based Adaptive Control of Electrically Driven Cooperative Manipulators Using q-analogue of the Bernstein-Schurer-Stancu Operator as Uncertainty Approximator,International Journal of Control, Automation, and Systems,Vol. 8,No. 21,pp. 2664-2673,2023,JCR•Scopus.
6. Saeed Khorashadizadeh,Alireza Izadbakhsh,Ali Deylami,Superiority of q-Chlodowsky operators versus fuzzy systems and neural networks: Application to adaptive impedance control of electrical manipulators,Expert Systems with Applications,Vol. 1,No. 209,pp. 118-249,2022,ISI•JCR•Scopus.
7. Mohammadhassan Majidi,Seyed Hesam Odin Hashemi,Saeed Khorashadizadeh,A new architecture based resnet for steganography in color images,Multimedia Tools and Applications,Vol. 16,No. 84,pp. 16229-16248,2025,JCR•Scopus.
8. Saeed Khorashadizadeh,Seyed Reza Mohammadi,Adaptive fuzzy control of time-varying impedance in rehabilitation exercises,Transactions of the Institute of Measurement and Control,Vol. 5,No. 47,pp. 854-868,2025,ISI•JCR•Scopus.
9. Saeed Khorashadizadeh,Fatemeh Amiri,Adaptive control of a class of uncertain nonlinear systems using brain emotional learning and Legendre polynomials,Transactions of the Institute of Measurement and Control,Vol. 9,No. 46,pp. 1667-1679,2024,ISI•JCR•Scopus.

10. Mohammadhassan Majidi, Seyed Hesam Odin Hashemi, Saeed Khorashadizadeh, A new architecture based resnet for steganography in color images, *Multimedia Tools and Applications*, pp. 1-20, 2024, JCR, Scopus.
11. Saeed Khorashadizadeh, Mohsen Farshad, Adaptive formation control of leader-follower mobile robots using reinforcement learning and the Fourier series expansion, *ISA Transactions*, Vol. 1, No. 138, pp. 63-73, 2023, JCR, Scopus.
12. Hashem Jahangir, mina naseri nasab, hamed hasani, Mohammadhassan Majidi, Saeed Khorashadizadeh, Estimating the punching shear capacities of concrete slabs reinforced by steel and FRP rebars with ANN-Based GUI toolbox, *Structures*, Vol. 1, No. 50, pp. 1204-1221, 2023, ISI, JCR, Scopus.
۱۳. سعید خراشادی زاده، مجید مرادی زیرکوهی، طراحی کنترل کننده فازی- لغزشی با سطح لغزش تطبیقی برای کنترل برداری موتور القایی با در نظر گرفتن عدم قطعیت‌های ساختاری و غیر ساختاری، کنترل، مجلد ۲، شماره ۱۳، شماره صفحات ۱۳-۲۱، ۲۰۱۹ isc.
۱۴. محمدحسن مجیدی، سعید خراشادی زاده، سنکرون سازی آشوب براساس معادلات دیفرانسیل و قضیه تقریب عمومی و کاربرد isc. آن در مخابرات امن و رمزنگاری، پدافند الکترونیکی و سایبری، مجلد ۵، شماره ۴، شماره صفحات ۱۷-۲۷، ۲۰۱۸.
15. Saeed Khorashadizadeh, Majid Moradi Zirkohi, Reza Gholipour, Hussein Eliasi, Adaptive control of robot manipulators driven by permanent magnet synchronous motors using orthogonal functions theorem, *Journal of Vibration and Control*, Vol. 5, No. 56, pp. 423-435, 2023, JCR, Scopus.
16. Mohammad Ghasem Akbari, Saeed Khorashadizadeh, Mohammadhassan Majidi, Support vector machine classification using semi-parametric model, *Soft Computing*, Vol. 19, No. 26, pp. 10049-10062, 2022, ISI, JCR, Scopus.
17. Mohammadhassan Majidi, Saeed Khorashadizadeh, Chaos synchronization using adaptive quantum neural networks and its application in secure communication and cryptography, *Neural Computing and Applications*, Vol. 8, No. 34, pp. 6521-6533, 2022, JCR, Scopus.
18. Saeed Khorashadizadeh, Alireza Izadbakhsh, Nazila Nikdel, A note on "Fractional-order adaptive backstepping control of robotic manipulators in the presence of model uncertainties and external disturbances", *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, Vol. 536, No. 43, pp. 1-12, 2021, JCR, Scopus.
19. Saeed Khorashadizadeh, Alireza Izadbakhsh, Neural control of robot manipulators considering motor voltage saturation: performance evaluation and experimental validation, *COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, Vol. 1, No. 40, pp. 27-39, 2021, ISI, Scopus.

20. Saeed Khorashadizadeh,Alireza Izadbakhsh,Iman Zamani,Szász–Mirakyan-based adaptive controller design for chaotic synchronization,International Journal of Robust and Nonlinear Control,Vol. 5,No. 31,pp. 1689-1703,2021,JCR•Scopus.
21. Saeed Khorashadizadeh,Mohsen Farshad,Observer-based adaptive control of robot manipulators using reinforcement learning and the Fourier series expansion,Transactions of the Institute of Measurement and Control,Vol. 10,No. 43,pp. 2307-2320,2021,JCR•Scopus.
22. Saeed Khorashadizadeh,Alireza Izadbakhsh,Ali Akbarzadeh Kalat,Observer-based adaptive control for HIV infection therapy using the Baskakov operator,Journal of Biomedical Signal Processing and Control,Vol. 1,No. 65,pp. 102-125,2021,JCR•Scopus.
23. Mohammadhassan Majidi,Saeed Khorashadizadeh,Secure communication based on chaos synchronization using brain emotional learning,AEU - International Journal of Electronics and Communications,Vol. 12,No. 127,pp. 1-10,2020,JCR•Scopus.
24. Saeed Khorashadizadeh,Ali Akbarzadeh ,& Kalat,Adaptive back-stepping cancer control using Legendre polynomials,IET systems biology,Vol. 1,No. 14,pp. 8-15,2020,JCR•Scopus.
25. Saeed Khorashadizadeh,Alireza Izadbakhsh,Single-loop PID controller design for electrical flexible-joint robots,Journal of the Brazilian Society of Mechanical Sciences and Engineering,Vol. 91,No. 42,pp. 91-101,2020,JCR•Scopus.
26. Saeed Khorashadizadeh,Esmail Salahshour,Milad Malekzadeh,Reza Gholipour,Designing multi-layer quantum neural network controller for chaos control of rod-type plasma torch system using improved particle swarm optimization,Evolving Systems,Vol. 3,No. 10,pp. 317-331,2019,Scopus.
27. Saeed Khorashadizadeh,Izadbakhsh Alireza,Kheirkhahan Payam,Tracking Control of Electrically Driven Robots Using a Model-free Observer,Robotica,Vol. 37,No. 4,pp. 729-755,2019,JCR•Scopus.
28. Saeed Khorashadizadeh,Izadbakhsh Alireza,Kheirkhahan Payam,FAT-Based Robust Adaptive Control of Electrically Driven Robots in Interaction with Environment,Robotica,Vol. 37,No. 5,pp. 779-800,2019,JCR•Scopus.
29. Saeed Khorashadizadeh,Izadbakhsh Alireza,An alternative stability proof for robust control of electrically driven robots using adaptive uncertainty estimation,COMPUTERS & ELECTRICAL ENGINEERING,Vol. 78,No. 1,pp. 63-68,2019,JCR.
30. Saeed Khorashadizadeh,,,,,Robust model-free control of a class of uncertain nonlinear systems using BELBIC: stability analysis and experimental validation,Journal of the Brazilian Society of Mechanical Sciences and Engineering,Vol. 32,No. 41,pp. 311-322,2019,JCR•Scopus.
31. Saeed Khorashadizadeh,Mohammadhassan Majidi,Synchronization of two different chaotic systems using Legendre polynomials with applications in secure communications,Frontiers of

Information Technology and Electronic Engineering, Vol. 19, No. 9, pp. 1180-1190, 2018, JCR•Scopus.

32. Saeed Khorashadizadeh, Izadbakhsh Alireza, Robust impedance control of robot manipulators using differential equations as universal approximator, International Journal of Control, Vol. 91, No. 10, pp. 2170-2186, 2018, JCR•Scopus.

33. Saeed Khorashadizadeh, Sadeghijaleh Mahdi, Adaptive fuzzy tracking control of robot manipulators actuated by permanent magnet synchronous motors, COMPUTERS & ELECTRICAL ENGINEERING, Vol. 72, pp. 100-111, 2018, JCR.

34. Saeed Khorashadizadeh, Moradi Zirkohi Majid, Chaos Synchronization Using Higher-order Adaptive PID Controller, AEU - International Journal of Electronics and Communications, Vol. 94, pp. 157-167, 2018, JCR•Scopus.

35. Saeed Khorashadizadeh, Izadbakhsh Alireza, Robust task-space control of robot manipulators using differential equations for uncertainty estimation, Robotica, Vol. 35, No. 9, pp. 1923-1938, 2017, JCR•Scopus.

36. Saeed Khorashadizadeh, Mohammadhassan Majidi, Chaos synchronization using the Fourier series expansion with application to secure communications, AEU - International Journal of Electronics and Communications, Vol. 82, pp. 37-44, 2017, JCR•Scopus.