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Contact Information

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Educations

- BSc: Communication Engineering, Shahid Bahonar University of Kerman, Iran, 2002.
- MSc: Communication Engineering, Imam Hossein Comprehensive University, Iran, 2005.
- Ph.D: Communication Engineering, CentraleSupélec University, France, 2014.

Academic Professions

- Head of Department of Communication Engineering, University of Birjand, Birjand, Iran, 2018- Present.
- Director of Entrepreneurship and Relations with Industry in Faculty of Electrical and Computer Engineering, University of Birjand, Birjand, Iran, 2015-2018.

Research Interests

- Signal processing for Communication,
- Channel Estimation and data detection,
- Secure communications and cryptography,

Resent Publications

Journal Papers

- Madiyeh Samimi, Mohammad-Hassan Majidi, Saeed Khorashadizadeh, "Secure communication based on chaos synchronization using brain emotional learning." *AEU-International Journal of Electronics and Communications*. Vol.127, 2020.
- Mohammad Hossein Adhami, Reza Ghazizade, and Mohammad-Hassan Majidi. "Dual-mode multiple-target tracking in wireless sensor networks based on sensor grouping and maximum likelihood estimation." *International Journal of Communication Systems*: Vol.33, No.8, 2020.

- Fateme Salehi, Mohammad-Hassan Majidi, Naaser Neda. " An Intelligent Approach for OFDM Channel Estimation Using Gravitational Search Algorithm." *Iranian Journal of Electrical and computer Engineering*, Vol.18, No.1, 2020.
- Fateme Salehi, Naaser Neda, Mohammad-Hassan Majidi. "Max-min Fairness in Downlink Non-Orthogonal Multiple Access with Short Packet Communications." *AEU-International Journal of Electronics and Communications*. Vol.114, 2020.
- Saeed Khorashadizadeh, Mohammad-Hassan Majidi. "Synchronization of two different chaotic systems using Legendre polynomials with applications in secure communications." *Frontiers of Information Technology & Electronic Engineering* Vol.19, No.9 , pp.1180-1190, 2018.
- Fateme Salehi, Mohammad-Hassan Majidi, Naaser Neda. "Channel estimation based on learning automata for OFDM systems." *International Journal of Communication Systems* Vol.31, No.12, 2018.
- Mohammad-Hassan Majidi, Saeed Khorashadizadeh. "CHAOS SYNCHRONIZATION USING DIFFERENTIAL EQUATIONS AND THE UNIVERSAL APPROXIMATION THEOREM WITH APPLICATION TO SECURE COMMUNICATION AND CRYPTOGRAPHY" *JOURNAL OF ELECTRONIC AND CYBER DEFENCE* , Vol. 5 , No. 4 (20) , pp. 17 -27, 2018.
- Saeed Khorashadizadeh, Mohammad-Hassan 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.
- Mohammad-Hassan Majidi, "A new method for detection of discrete data transmitted over non-linear dynamic wireless channel" *JOURNAL OF ELECTRONIC AND CYBER DEFENCE* , Vol. 3 , No. 2 (10) , pp. 75 -85, 2015.

Conference papers

- Mohammed Mehdi Asli, Mohammad-Hassan Majidi, "An Image encryption algorithm based on improved logistic map", 4th International Conference on Combinatorics, Cryptography , Computer Science and Computing, Iran University of science & technology, 20-21 Nov 2019.
- Mohammad-Hassan Majidi, Saeed Khorashadizadeh. "A novel observer-based chaos synchronization for secure communications" 4th conference on Contemporary Issues in Computer and Information Sciences(CICIS 2019), pp. 531-535, 23-24 Jan.2019.
- Majid Hadi, Reza Ghazizadeh, Mohammad Hassan Majidi, Power allocation in NOMA-based full-duplex small cell networks, *4th Iranian Conference in Communications Engineering, Tabriz*, Oct. 2018.
- Majid Hadi, Reza Ghazizadeh, Mohammad Hassan Majidi ,Resource allocation in full-duplex wireless powered communication networks, 3rd National Conference on Technology in Electrical and Computer Engineering, 2018.

▪ مهرداد روحانی، محمدحسن مجیدی، الهام محسنی، رمزنگاری تصویر با استفاده از نگاشت آشوبی سه بعدی به منظور افزایش امنیت ارسال چند رسانه ای، هفتمین کنگره مشترک سیستم های فازی و هوشمند ایران، نهم تا یازدهم بهمن ماه ۱۳۹۷ دانشگاه بجنورد

- جواد نقی پور، محمدحسن مجیدی، ناصر ندا، تخصیص منابع رادیویی در شبکه های سلولی کوچک متحرک بوسیله دسترسی چند گانه غیر متعامد در حوزه توان، سومین کنفرانس بین المللی اینترنت اشیا و کاربردها، ۲۸ و ۲۹ فروردین ۱۳۹۸ دانشگاه اصفهان
- علی رحمتی، حسن فرسی، محمد حسن مجیدی، رمزنگاری تصویر با استفاده از نگاشت آشوب لجستیک، چهارمین کنفرانس ملی تکنولوژی های نوین در مهندسی برق، مخابرات و مکاترونیک، ۱۳۹۷.