



## Saeed Reza Arab

Web Address:

<http://ceit.aut.ac.ir/~87231624>

<http://bam.ac.ir/SaeedRezaArab>

[sarearab@aut.ac.ir](mailto:sarearab@aut.ac.ir)

[sarearab@gmail.com](mailto:sarearab@gmail.com)

[s.arab@bam.ac.ir](mailto:s.arab@bam.ac.ir)

<b>Education</b>	<b>Ph.D. Student in Information Technology Engineering</b>	<i>Since 2018</i>
	<b>M.Sc. in Information Technology(Computer Networks)</b>	<i>Since 2009</i>
	Computer and Information Technology Department (CEIT) Amirkabir University of Technology (AUT), Tehran, Iran Major in Computer Networks GPA: 17.26/20.00	
	<b>B.Sc. in Computer Science</b>	<i>2002 - 2006</i>
	Computer & Mathematics Department ShahidBahonar University, Kerman, Iran GPA: 13.90/20.00	
<b>Research Interests</b>	Wireless Sensor Networks, Peer-to-peer Networks Multimedia Networks, Ad Hoc Networks, Virtual World, Electronic Commerce, Internet of Things, Social Influences in Mobile Social Networks	
<b>Publications</b>	1. <b>Arab S.R.</b> , H.Asari,"RFID Technology : Accelerate Tasks and More Revenue in Electronic Commerce", Regional Conference on Electronic Commerce, Kerman, Iran	<i>2008</i>
	2. <b>Arab S.R.</b> , M.R.Omidi,"Comparison of IT-based systems & Traditional and Description of IT capacities in crisis management, National Conference on Injuries Prevention & Development of Safety in Kerman Events", Medical Science University, Kerman, Iran	<i>2008</i>
	3. <b>Arab S.R.</b> , M.R.Omidi,"Comparison of Knowledge Islamic Azad University & People of Bam on Crisis Management Communication Technology in World", Medical Science University, Kerman, Iran	<i>2008</i>
	4. <b>Arab S.R.</b> , Ashrafzadeh H., Sabaei M., Mirahsan M., "Localization Through Clustering Methods In WSN: With Analyzing Leach Algorithm", 4 <sup>th</sup> IEEE International Conference on Computer Science and Information Technology (ICCSIT), 2011, Chengdu, China	<i>2011</i>
	5. Alidadi A., <b>Arab S.R.</b> , "Fault tolerant in Networks using Timing Data Mining", 12 <sup>th</sup> Iranian Conference on Intelligent Systems, 2014, Higher Education Complex of Bam, Bam, Iran	<i>2014</i>
	6. <b>Saeedreza Arab</b> , Sabaei Masoud, Alidadi Amir, "Dynamic Localization in Wireless Sensor Networks using Node Degrees", 12 <sup>th</sup> Iranian Conference on Intelligent Systems, 2014, Higher Education	<i>2014</i>

- Complex of Bam, Bam, Iran
7. **Arab S.R.**, Ashrafzadeh H., Alidadi A., "Internet of Things: A new Solution in around world Intelligent", 2<sup>nd</sup> International Conference on Computer Engineering and IT, Tehran, Bam, Iran 2016
  8. **Saeedreza Arab**, Aboulfazl Javidian, Kianaz Rezaei, Integrating chaotic cryptography with low bit matching cryptography according to the pattern extracted by PSO algorithm to increase the resistance against computer network attacks, 2<sup>nd</sup> International Conference on Knowledge-Based Research in Computer Engineering and IT, Tehran, Iran 2017
  9. Kousar Arasteh, **Saeedreza Arab**, "IoT Application In Healthcare Scope with Design of Health Spoon Mobile App." 1<sup>st</sup> Conference in Opportunities and Advances of Information and Communication Technologies, Tehran, Iran 2017
  10. **Saeedreza Arab**, Hossein Ashrafzadeh, Amir Alidadi, "Internet of Things: Communication Technologies, Features and Challenges", International Journal of Engineering Development and Research 2018
  11. Maryam Majidian, **Saeedreza Arab**, Design and Implementation of Smart Irrigation System using Arduino Microcontroller, "6<sup>th</sup> Iranian Congress on Electrical and Computer Engineering With an Applied Perspective on New Energies", Tehran, Iran 2019
  12. Derakhshan Fatemeh, **Saeedreza Arab**, Shakeri Hassan, Applications and Challenges of IoT in Health scope (Cases study: Smart Hospital) "6<sup>th</sup> Iranian Congress on Electrical and Computer Engineering With an Applied Perspective on New Energies", Tehran, Iran 2019

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### Certificates and Awards

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| Awarded as Best instructor, Islamic Azad University, Bam, Iran | 2008 |
| Awarded as Honored Teacher in Nonprofit High school , Iran     | 2008 |

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### Teaching Experience

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| <b>Islamic Azad University as Instructor</b><br>Teaching : Computer Networks, Network Workshop, Workshop Operating system, Internet Concepts                                | Since 2006 |
| <b>PayameNour University as Instructor</b><br>Teaching on basics of Programming, ICDL, Internet Concepts, Computer Networks1,2, Network Workshop, Workshop Operating system | 2007       |
| <b>University of Applicable and Scientific-Kerman (UAST) as Instructor</b><br>Teaching :ICDL1,ICDL2 ,Linux OS ,7 OS,Computer Concepts                                       | Since 2010 |
| <b>Higher Education Complex of Bam</b><br>Computer Networks, IT concepts, Electronic Commerce   | Since 2013 |

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### Memberships & Affiliations

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## Graduate Courses

Amirkabir University of Technology  
High Speed Networks (20/20: *Top grade*)  
Multimedia Networks (17.6/20: *3<sup>rd</sup> top grade*)  
Network Security (16.5/20)  
Mobile & Wireless Networks (15.3/20)  
Distributed Systems (15.5/20: *6<sup>th</sup> top grade*)  
Digital Circuit Testing (15/20)  
Advanced Computer Networks (14/20)  
Electronic Commerce (19.75/20: *2<sup>th</sup> top grade*)  
Wireless Sensor Networks (19/20: *2<sup>th</sup> top grade*)  
Seminar (17.5/20)  
Thesis (19.75/20)

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## Computer Skills

**Programming Languages:** C, Pascal, C++, Matlab, Sketch, Python  
**Operating Systems:** Linux, Windows server 2003, Windows (Se7en, Vista, XP, 2000, 98)  
**Network Simulation Tools:** NS2, Opnet  
**Web Development Tools:** HTML, XHTML, CMS, PHP

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## Hobbies

- Surfing the Web, Reading scientific journals,
- Listening to POP and Classic Music, Going to Nature, Watching movie
- Sports: Chess, Ping Pong, Football

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## References

1. Dr. Siavash Khorsandi, Assistant Prof. of Computer Engineering & IT, Amirkabir University of Technology  
Email: [khorsand@aut.ac.ir](mailto:khorsand@aut.ac.ir)
  2. Dr. Mehdi Dehghan Takhtfooladi, Associate Prof. of Computer Engineering & IT, Amirkabir University of Technology  
Email: [dehghan@aut.ac.ir](mailto:dehghan@aut.ac.ir)
  3. Dr. Masoud Sabaei, Assistant Prof. of Computer Engineering & IT, Amirkabir University of Technology  
Email: [sabaei@aut.ac.ir](mailto:sabaei@aut.ac.ir)
  4. Dr. Saadat Pour Mozaffari, Assistant Prof. of Computer Engineering & IT, Amirkabir University of Technology  
Email: [saadat@ce.aut.ac.ir](mailto:saadat@ce.aut.ac.ir)
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