

# Zahid Anwar

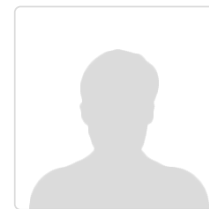
Assistant Professor

School of Electrical Engineering and Computer Science

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## About

Dr. Zahid Anwar is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Zahid Anwar has published 15 research articles & conference papers having a citation count of 552, carried out 0 projects and filed 0 intellectual property.

## Qualifications

## Experience

|                                                                                     |               |
|-------------------------------------------------------------------------------------|---------------|
| <b>Assistant Professor</b><br>School of Electrical Engineering and Computer Science | 2021- Present |
| <b>Assistant Professor</b><br>School of Electrical Engineering and Computer Science | 2017 - 2012   |
| <b>Assistant Professor</b><br>School of Electrical Engineering and Computer Science | 2012 - 2021   |
| <b>Assistant Professor</b><br>School of Electrical Engineering and Computer Science | 2009 - 2017   |

## Research Articles

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| <b>Spatiotemporal Clustering and Analysis of Road Accident Hotspots by Exploiting GIS Technology and Kernel Density Estimation</b><br><i>Syed Saqib Ali Kazmi Mehreen Ahmed Rafia Mumtaz Zahid Anwar</i><br><i>Computer Journal</i> , Volume 65, Issue 2, Pages 155-176<br><b>Impact Factor:</b> 1.494   <b>Quartile:</b> 3   <b>Citations:</b> 31<br><b>DOI:</b> <a href="https://doi.org/10.1093/comjnl/bxz158">https://doi.org/10.1093/comjnl/bxz158</a>         | 2022 |
| <b>A survey of link flooding attacks in software defined network ecosystems</b><br><i>Raihan-ur-Rasool Hua Wang Usman Ashraf Khandakar Ahmed Zahid Anwar Wajid Rafique</i><br><i>Journal of Network and Computer Applications</i> , Volume 172, Article Number 102803<br><b>Impact Factor:</b> 6.281   <b>Quartile:</b> 1   <b>Citations:</b> 43<br><b>DOI:</b> <a href="https://doi.org/10.1016/j.jnca.2020.102803">https://doi.org/10.1016/j.jnca.2020.102803</a> | 2020 |
| <b>A novel JSON based regular expression language for pattern matching in the internet of things</b><br><i>Raihan ur Rasool Maleeha Najam Hafiz Farooq Ahmad3 Zahid Anwar Hua Wang1</i><br><i>Journal of Ambient Intelligence and Humanized Computing</i> , Volume: 10 Issue: 4 Pages: 1463-1481 Special Issue: SI<br><b>Impact Factor:</b> 4.594   <b>Quartile:</b> 1   <b>Citations:</b> 8<br><b>DOI:</b> 10.1007/s12652-018-0869-1                               | 2019 |
| <b>Cyberpulse: A Machine Learning Based Link Flooding Attack Mitigation System for Software Defined Networks</b><br><i>Raihan-ur-Rasool Usman Ashraf Khandakar Ahmed Hua Wang Wajid Rafique Zahid Anwar</i><br><i>IEEE Access</i> , Volume 7, Pages 34885-34899<br><b>Impact Factor:</b> 3.745   <b>Quartile:</b> 1   <b>Citations:</b> 83<br><b>DOI:</b> DOI:10.1109/ACCESS.2019.2904236                                                                           | 2019 |
| <b>A Protocol for Preventing Insider Attacks in Untrusted Infrastructure-as-a-Service Clouds</b><br><i>Imran Khan Zahid Anwar Behzad Bordbar Eike Ritter Habib-ur Rehman</i><br><i>IEEE Transactions on Cloud Computing</i> , Volume 6, Issue 4, Pages 942-954<br><b>Impact Factor:</b> 5.967   <b>Quartile:</b> 1   <b>Citations:</b> 7<br><b>DOI:</b> DOI:10.1109/TCC.2016.2560161                                                                                | 2018 |

- IoTChecker : A Data-driven Framework for Security Analytics of Internet of Things Configurations** 2017  
*Zahid Anwar Farhat Zaman Ehab Al-Shaer Mujahid Mohsin*  
*Computers and Security*, Volume 70, Pages 199-223  
**Impact Factor:** 2.650 | **Quartile:** 2 | **Citations:** 39  
**DOI:** 10.1016/j.cose.2017.05.012
- Data-driven analytics for cyber-threat intelligence and information sharing** 2017  
*Sara Qamar Zahid Anwar Mohammad Ashiqur Rahman Ehab Al-Shaer Bei-Tseng Chu*  
*Computers and Security*, Volume 67, Pages 35-58  
**Impact Factor:** 2.650 | **Quartile:** 2 | **Citations:** 116  
**DOI:** DOI:10.1016/j.cose.2017.02.005
- A deliberately insecure RDF-based Semantic Web application framework for teaching SPARQL/SPARUL injection attacks and defense mechanisms** 2016  
*Hira Asghar Zahid Anwar Khalid Latif*  
*Computers and Security*, Volume 58, Pages 63-82  
**Impact Factor:** 2.849 | **Quartile:** 2 | **Citations:** 9  
**DOI:** doi:10.1016/j.cose.2015.11.004
- A fast and scalable technique for constructing multicast routing trees with optimized quality of service using a firefly based genetic algorithm** 2016  
*Usman Shaukat Zahid Anwar*  
*Multimedia Tools and Applications*, Volume 75, Issue 4, Pages 2275-2301  
**Impact Factor:** 1.530 | **Quartile:** 2 | **Citations:** 9  
**DOI:** DOI:10.1007/s11042-014-2405-4
- Storage schema and ontology-independent SPARQL to HiveQL translation** 2015  
*Naila Karim Khalid Latif Zahid Anwar Sharifullah Khan Amir Hayat*  
*The Journal of Supercomputing*, Volume 71, Issue 7, Pages 2694-2719  
**Impact Factor:** 1.088 | **Quartile:** 2 | **Citations:** 7  
**DOI:** DOI:10.1007/s11227-015-1411-2
- RRW-A Robust and Reversible Watermarking Technique for Relational Data** 2015  
*Saman Iftikhar M. Kamran Zahid Anwar*  
*IEEE Transactions on Knowledge and Data Engineering*, Volume: 27, Issue: 4, Pages 1132-1145  
**Impact Factor:** 2.476 | **Quartile:** 1 | **Citations:** 78  
**DOI:** 10.1109/TKDE.2014.2349911
- GenInfoGuard - A Robust and Distortion-free Watermarking Technique for Genetic Data** 2015  
*Saman Iftikhar Sharifullah Khan Zahid Anwar Muhammad Kamran*  
*PLoS ONE*, Volume 10, Issue 02, Article Number e0117717.  
**Impact Factor:** 3.057 | **Quartile:** 1 | **Citations:** 5  
**DOI:** doi:10.1371/journal.pone.0117717
- Ontology for attack detection: An intelligent approach to web application security** 2014  
*Abdul Razzaque Zahid Anwar Hafiz Farooq Ahmad Khalid Latif Faisal Munir*  
*Computers and Security*, Volume 45, Pages 124-146  
**Impact Factor:** 1.031 | **Quartile:** 2 | **Citations:** 60  
**DOI:** https://doi.org/10.1016/j.cose.2014.05.005
- Semantic security against web application attacks** 2014  
*Abdul Razzaque Khalid Latif Hafiz Farooq Ahmad Ali Hur Zahid Anwar Peter Charles Bloodsworth*  
*Information Sciences*, Volume:254, Page:19-38  
**Impact Factor:** 4.038 | **Quartile:** 1 | **Citations:** 57  
**DOI:** 10.1016/j.ins.2013.08.007

## Conference Proceedings

- PISA: Improving the pseudo-randomness of the pen-and-paper cipher based on the Solitaire algorithm** 2012  
*Hirra Anwar Sarah Masood Zahid Anwar*  
*15th IEEE International Multitopic Conference (INMIC)*, res.country(177,)  
**Citations:** N/A  
**DOI:** 10.1109/INMIC.2012.6511495