

Academic Resume



Mohamed El-Eliemy

Professor, Information Systems Department

Prof.Dr. Mohamed ElEliemy has more than 20 years of experience in academia. His research interest is in Mobile Data Management and Analysis, Machine Learning, aInformation Infrastructure. Prof.Dr. Mohamed ElEliemy has joined several research and education projects throughout his career. He has successfully participated in and led multi-discipline teams in several sectorsand provided digital transformation consultations.

Contact Information.

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Highest Degree.

2010, Dr.-Ing., Mobile Computing and Mobility Analysis, Friedrich Schiller University of Jena, Germany.

Academic and Professional Experiences.

1. **2021 - 2022**
Manager of the Executive Master of Information Systems Program at the Information Systems Dept.; Faculty of Computing and Information Tech.; King Abdulaziz University; Jeddah, KSA., , .
2. **2019 - 2019**
CIO, Ain Shams University, Cairo, Egypt, , .
3. **2016 - 2019**
Associate Prof., IS Dept, The Faculty of Computer and Info. Sciences, Ain Shams University, Cairo, Egypt, , .
4. **2013 - 2018**
Director, Ain Shams University Information Network, Cairo, Egypt, , .
5. **2011 - 2016**
Assistant Prof., IS Dept, The Faculty of Computer and Info. Sciences, Ain Shams University, Cairo, Egypt, , .
6. **2006 - 2011**
Researcher, PhD Candidate, The faculty of Computer Science and Mathematics, University of Jena, Germany, , .
7. **2004 - 2006**
Assistant Lecturer, IS Dept, The Faculty of Computer and Info. Sciences, Ain Shams University, Cairo, Egypt, , .
8. **2000 - 2004**
Demonstrator, IS Dept, The Faculty of Computer and Info. Sciences, Ain Shams University, Cairo, Egypt, , .

Research Interests.

Mobile Data Management and Analysis, Machine Learning, Information Infrastructure.

Teaching Interests.

Information Engineering, Data Mining, Mobile Computing, Computer Networks, Wireless Networks.

Certifications and Trainings.

Social, Scientific and Professional Affiliation.

1. -, Researcher [2006-2011];, Heinz-Nixdorf Chair for Distributed Information Systems, Friedrich Schiller University of Jena, Germany..
2. 2016-2021, Associate Professor [2016-2021];, The Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt..
3. -, Assistant Professor [2011-2016];, The Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt..
4. -, Teaching Assistant [2000-2006], The Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt.
5. 2021-Present, Professor, Ain Shams University.

Publications.

1. Hanaa. M. Said, Rania El Gohary, Mohamed Hamdy, Abdelbadeeh M. Salem, "Cyber Space Security Assessment Case Study", pp. 169-198, .
DOI: [10.4018/978-1-4666-6583-5.ch010](https://doi.org/10.4018/978-1-4666-6583-5.ch010)
2. Mohamed Hamdy, Birgitta König-Ries, "The Gross Interest", pp. 322-333, .
DOI: [10.4018/978-1-61350-432-1.ch014](https://doi.org/10.4018/978-1-61350-432-1.ch014)
3. Eman Alasmari, Mohamed Hamdy, Khaled H. Alyoubi, Fahd Saleh Alotaibi, "Arabic Stock-News Sentiments And Economic Aspects Using Bert Model", International Journal Of Advanced Computer Science And Applications, 2023.
4. Nouran Ayman R. Abd Al-Azim, Tarek F. Gharib, Mohamed Hamdy, Yasmine Afify, "Influence Propagation In Social Networks: Interest-Based Community Ranking Model", Journal Of King Saud University - Computer And Information Sciences, vol: 34, pp. 2231-2243, 2022.
DOI: [10.1016/j.jksuci.2020.08.004](https://doi.org/10.1016/j.jksuci.2020.08.004)
5. Mahmoud Nasr, Mohamed Hamdy, Doaa Hegazy, Khaled Bahnasy, "An Efficient Algorithm For Unique Class Association Rule Mining", Expert Systems With Applications, vol: 164, pp. 113978, 2021.
DOI: [10.1016/j.eswa.2020.113978](https://doi.org/10.1016/j.eswa.2020.113978)
6. Karim Emara, Aya El-Kady, Eman shaaban, Mohamed ElEliemy, "Mobile Crowdsensing Framework For Road Surface Quality Detection.", International Journal Of Intelligent Computing And Information Sciences, vol: 21, pp. 95-106, 2021.
DOI: [10.21608/ijicis.2021.91569.1119](https://doi.org/10.21608/ijicis.2021.91569.1119)
7. Mohamed Hamdy, Safia Abbas, Doaa Hegazy, "Enabling Fog Complex Security Services In Mobile Cloud Environments", Alexandria Engineering Journal, vol: 60, pp. 3709-3719, 2021.
DOI: [10.1016/j.aej.2021.02.039](https://doi.org/10.1016/j.aej.2021.02.039)
8. Nouran Ayman R. Abd Al-Azim, Tarek F. Gharib, Yasmine Afify, Mohamed Hamdy, "Influence Propagation: Interest Groups And Node Ranking Models", Physica A: Statistical Mechanics And Its Applications, vol: 553, pp. 124247, 2020.
DOI: [10.1016/j.physa.2020.124247](https://doi.org/10.1016/j.physa.2020.124247)
9. Nouran Ayman, Tarek F. Gharib, Mohamed Hamdy, Yasmine Afify, "Influence Ranking Model For Social Networks Users", vol: 921, pp. 928-937, 2019.
DOI: [10.1007/978-3-030-14118-9_91](https://doi.org/10.1007/978-3-030-14118-9_91)
10. Mahmoud Mounir, Mohamed Hamdy, Mohamed Essam Khalifa, "Identifying Different Types Of Biclustering Patterns Using A Correlation-Based Dilated Biclusters Algorithm", vol: 921, pp. 261-271, 2019.
DOI: [10.1007/978-3-030-14118-9_26](https://doi.org/10.1007/978-3-030-14118-9_26)
11. Yomna Mohsen, Mohamed Hamdy, Eman Shaaban, "Key Distribution Protocol For Identity Hiding In Manets", 2019 Ninth International Conference On Intelligent Computing And Information Systems (Icicis), pp. 245-252, 2019.
DOI: [10.1109/ICICIS46948.2019.9014807](https://doi.org/10.1109/ICICIS46948.2019.9014807)
12. Aya El-Kady, Karim Emara, Mohamed Hamdy ElEliemy, Eman Shaaban, "Road Surface Quality Detection Using Smartphone Sensors: Egyptian Roads Case Study", 2019 Ninth International Conference On Intelligent Computing And Information Systems (Icicis), pp. 202-207, 2019.
DOI: [10.1109/ICICIS46948.2019.9014721](https://doi.org/10.1109/ICICIS46948.2019.9014721)
13. Safi Ibrahim, Mohamed Hamdy, Eman Shaaban, "Towards An Optimum Authentication Service Allocation And Availability In Vanets", 6, 2017.
14. Mahmoud Nasr, Khaled El-Bahnasy, M. Hamdy, Sanaa M. Kamal, "A Novel Model Based On Non Invasive Methods For Prediction Of Liver Fibrosis", 2017 13th International Computer Engineering Conference (Icenco), pp. 276-281, 2017.
DOI: [10.1109/ICENCO.2017.8289800](https://doi.org/10.1109/ICENCO.2017.8289800)

Publications.

15. Doaa AbdelMohsen, Mohammed Hamdy, "Distributed Influential Node Detection Protocol For Mobile Social Networks", vol: 533, pp. 771-780, 2016.
DOI: [10.1007/978-3-319-48308-5_74](https://doi.org/10.1007/978-3-319-48308-5_74)
16. Mahmoud Mounir, Mohamed Hamdy, "On Biclustering Of Gene Expression Data", 2015 Ieee Seventh International Conference On Intelligent Computing And Information Systems (Icicis), pp. 641-648, 2015.
DOI: [10.1109/IntelCIS.2015.7397290](https://doi.org/10.1109/IntelCIS.2015.7397290)
17. Iman Ismail, Walaa Gad, Mohamed Hamdy, Khaled Bahnsy, "Text Document Annotation Methods: Stat Of Art", 2015 Ieee Seventh International Conference On Intelligent Computing And Information Systems (Icicis), pp. 634-640, 2015.
DOI: [10.1109/IntelCIS.2015.7397289](https://doi.org/10.1109/IntelCIS.2015.7397289)
18. Safi Ibrahim, Mohamed Hamdy, "Enabling Less-Infrastructure Road Communication Networks For Vanets", 2015 4th International Conference On Computer Science And Network Technology (Iccsnt), pp. 1063-1069, 2015.
DOI: [10.1109/ICCSNT.2015.7490920](https://doi.org/10.1109/ICCSNT.2015.7490920)
19. Safi Ibrahim, Mohamed Hamdy, Eman Shaaban, "A Proposed Security Service Set For Vanet Soa", 2015 Ieee Seventh International Conference On Intelligent Computing And Information Systems (Icicis), pp. 649-653, 2015.
DOI: [10.1109/IntelCIS.2015.7397192](https://doi.org/10.1109/IntelCIS.2015.7397192)
20. Safi Ibrahim, Mohamed Hamdy, "A Comparison On Vanet Authentication Schemes: Public Key Vs. Symmetric Key", 2015 Tenth International Conference On Computer Engineering & Systems (Icces), pp. 341-345, 2015.
DOI: [10.1109/ICCES.2015.7393072](https://doi.org/10.1109/ICCES.2015.7393072)
21. Nour Zawawi, Mohamed Hamdy, R. Ghary, M. F. Tolba, "Realization Of A Data Traceability And Recovery Service For A Trusted Authority Service Co-Ordination Within A Cloud Environment", Soft Computing, vol: 20, pp. 5039-5050, 2015.
DOI: [10.1007/s00500-015-1792-4](https://doi.org/10.1007/s00500-015-1792-4)
22. Ahmed Samy, Mohamed Hamdy, Noura Smary, "Fast Forced Handover Technique For Load Balancing In Mobile Wimax For Real-Time Applications", Procedia Computer Science, vol: 65, pp. 901-910, 2015.
DOI: [10.1016/j.procs.2015.09.049](https://doi.org/10.1016/j.procs.2015.09.049)
23. Nour Zawawi, Mohamed Hamdy El-Eliemy, Rania El-Gohary, Mohamed F. Tolba, "Security Issues On Cloud Data Services", vol: 70, pp. 497-517, 2014.
DOI: [10.1007/978-3-662-43616-5_19](https://doi.org/10.1007/978-3-662-43616-5_19)
24. Yomna M. Mohsen, Mohamed Hamdy, Mohamed Hashem, "Gpsih: A Generic Ip-Based Scheme For Identity Hiding In Manets", 2014 9th International Conference On Informatics And Systems (Infos), pp. CNs-32-CNs-38, 2014.
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25. Mohamed Hamdy, Ahmed S. Abdel-Rahman, Noura Smary, "Evaluation Of Mobile Wimax Ieee 802.16e Handover Load Balancing Trends", 2014 9th International Conference On Informatics And Systems (Infos), pp. CNs-25-CNs-31, 2014.
DOI: [10.1109/INFOS.2014.7036716](https://doi.org/10.1109/INFOS.2014.7036716)
26. Nour Zawawi, Rania El-Gohary, Mohamed Hamdy, Mohamed Fahmy Tolba, "A Novel Watermarking Approach For Data Integrity And Non-Repudiation In Rational Databases", vol: 322, pp. 532-542, 2012.
DOI: [10.1007/978-3-642-35326-0_53](https://doi.org/10.1007/978-3-642-35326-0_53)
27. Mohamed Hamdy, Abdelouahid Derhab, Birgitta König-Ries, "A Comparison On Manets??? Service Replication Schemes: Interest Versus Topology Prediction", vol: 84, pp. 202-216, 2010.
DOI: [10.1007/978-3-642-14171-3_17](https://doi.org/10.1007/978-3-642-14171-3_17)

Publications.

28. Mohamed Hamdy, Birgitta König-Ries, "An Interest-Based Load Balancing Mechanism For The Service Distribution Protocol In Manets", The 8th International Conference, pp. 79, 2010.
DOI: [10.1145/1971519.1971536](https://doi.org/10.1145/1971519.1971536)
29. Mohamed Hamdy, Birgitta König-Ries, "The Service Distribution Protocol For Manets - Criteria And Performance Analysis", vol: 48, pp. 467-479, 2009.
DOI: [10.1007/978-3-642-05197-5_34](https://doi.org/10.1007/978-3-642-05197-5_34)
30. Mohamed Hamdy, Birgitta König-Ries, Ulrich Köster, "Non-Functional Parameters As First Class Citizens In Service Description And Matchmaking - An Integrated Approach", vol: 4749, pp. 93-104, 2009.
DOI: [10.1007/978-3-540-93851-4_10](https://doi.org/10.1007/978-3-540-93851-4_10)
31. Mohamed Hamdy, Birgitta König-Ries, "A Service Distribution Protocol For Mobile Ad Hoc Networks", The 5th International Conference, pp. 141, 2008.
DOI: [10.1145/1387269.1387293](https://doi.org/10.1145/1387269.1387293)
32. M. Hamdy, B. König-Ries, "Service-Oriented In Mobile Computing - An Overview", 7th International Conference On Mobile Data Management (Mdm'06), pp. 138-138, 2006.
DOI: [10.1109/MDM.2006.144](https://doi.org/10.1109/MDM.2006.144)