

**AHMAD MOHAMMAD AL SMADI**

Email: aalsmadi@zu.edu.jo

College of Information Technology/Department of Data Science and Artificial Intelligence

Academic Rank: Assistant Professor

Qualifications:

| | |
|---|---|
| 1 | Ph.D (Doctor of Philosophy) –Computer Science and Technology/Artificial Intelligence. |
| 2 | M.Sc., Information & Communication Engineering/ Intelligent Information processing. |
| 3 | B.Eng. Computer Engineering. |

Teaching Experience:

| # | From | to | Job description |
|---|------------|------------|--|
| 1 | 24-09-2023 | now | Assistant Professor Department of Data Science and Artificial Intelligence Faculty of Information Technology Zarqa University, Jordan |
| 2 | 1-09-2019 | 20-6-2022 | Teaching Assistant. College of Artificial Intelligence, Xidian University, China |
| 3 | 1-09-2014 | 30-06-2015 | Assistant Lecturer (Part time)- Al-Balqa Applied University, Ajloun University College. |

**Publications:**

| # | Title | Publisher | Year/ Issue (Vol/No) |
|-----|---|--|--|
| .1 | Health care intelligent system: A neural network based method for early diagnosis of Alzheimer's disease using MRI images | Expert Systems | Vol.39, no. (9), pp. e13003. 2021 |
| .2 | A pansharpening based on the non-subsampled contourlet transform and convolutional autoencoder: Application to QuickBird imagery. | IEEE Access. | Vol. 22, no. 10, pp. 44778-88. 2022 |
| .3 | Deep convolutional neural network-based system for fish classification. | International Journal of Electrical and Computer Engineering | Vol. 12, no. 2, 2022, pp.2026. |
| .4 | SEL-COVIDNET: An intelligent application for the diagnosis of COVID-19 from chest X-rays and CT-scans | Informatics in Medicine Unlocked | Vol. 32, 2022, pp. 101059. |
| .5 | Pansharpening based on convolutional autoencoder and multi-scale guided filter. | EURASIP Journal on Image and Video Processing. | 2021Dec, vol. 1, pp. 1-20. |
| .6 | Smart pansharpening approach using kernel-based image filtering. | IET Image Processing. | 2021 Sep, vol. 15, no. 11, pp. 629-42. |
| .7 | Fog computing scheduling algorithm for smart city. | International Journal of Electrical & Computer Engineering | Vol. 11, no. 3, 2021. |
| .8 | Files cryptography based on one-time pad algorithm. | International Journal of Electrical & Computer Engineering | Vol. 11, no. 3, 2021. |
| .9 | A transfer learning approach for early diagnosis of Alzheimer's disease on MRI images. | Neuroscience | Vol. 460, pp. 43-52, 2021. |
| .10 | Pansharpening via deep guided filtering network. | International Journal of Image Processing and Visual Communication | Vol. 5, pp. 1-8, 2018. |

Books:

| # | Book Title | Publisher | Year |
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Translated Books:

| # | Book Title | Publisher | Year |
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Articles:

| # | Article Title | Publisher | Year |
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Conferences:

| # | Paper Title | Organizing Institution | Conference |
|----|--|--|--|
| .1 | RFID in Health care: A review of the real-world application in hospitals | Acadia University/ Procedia Computer Science/ Elsevier | The 14th International Conference on Ambient Systems, Networks and Technologies (ANT), Leuven, Belgium |
| .2 | Information Systems in Medical Settings: A Covid-19 Detection System Using X-Ray Scans | Kasetsart University, Chalermphrakiat Sakon Nakhon Province Campus Publisher/IEEE | 26th International Computer Science and Engineering Conference (ICSEC) |
| .3 | Smart Health Care System for Early Detection of COVID-19 Using X-ray Scans | Aksaray university and Czech university of life sciences prague Publisher/IEEE | 2022 international conference on electrical, computer and energy technologies (ICECET) |
| .4 | Smart RFID application in health care: Using RFID technology for smart inventory and logistic systems in hospitals | MIPRO) IEEE Conference | 45th Jubilee International Convention on Information, Communication and |



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| | | | Electronic Technology (MIPRO) |
| .5 | Evaluation of E-learning Experience in the Light of the Covid-19 in Higher Education | Acadia University/ Procedia Computer Science/ Elsevier | The 13th International Conference on Ambient Systems, Networks and Technologies (ANT) March 22 - 25, 2022, Porto, Portugal |
| .6 | Brain Image Fusion Approach based on Side Window Filtering | Acadia University/ Procedia Computer Science/ Elsevier | International Workshop on Emerging Advancements and Technologies in Healthcare (EATH 2021) Leuven, Belgium |
| .7 | An intelligent information system and application for the diagnosis and analysis of COVID-19 | Lecture Notes in Networks and Systems book series/ Springer International Publishing | Intelligent Computing & Optimization: Proceedings of the 4th International Conference on Intelligent Computing and Optimization 2021 (ICO2021) |
| .8 | Vehicle counting using detecting-tracking combinations: A comparative analysis | Xidian University-China Publisher/ ACM Digital Library | Proceedings of the 2020 4th International Conference on Video and Image Processing |
| .9 | Data Mining in Health Care Sector: Literature Notes | Queensland University of Technology, City University of Hong Kong. Publisher/ ACM Digital Library | Proceedings of the 2019 2nd International Conference on Computational Intelligence and Intelligent Systems |
| 10. | Healthcare Applications of Intelligent Information Systems: A Novel Technique for Medical Image Fusion | University of Crete/SCITEPRESS Digital Library | 5th International Conference on Information and Communication Technologies for Ageing Well and e-Health |
| 11. | Intelligent information systems and image processing: A novel pan-sharpening technique based on Multiscale decomposition | Kyoto University, TU. Publisher/ ACM Digital Library | Proceedings of the 2018 2nd International |



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|--|--|--|--|
| | | | Conference on Video and Image Processing |
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Supervision of Theses:

| # | Year | University | Thesis Title | Student Name |
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Community Service Activities

| # | Duration | Activity |
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Personal Information

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|-------------------------|---------------------|------|
| Name | Ahmad AL Smadi | |
| Place and Date of Birth | Anjara, 05-Sep-1991 | |
| Nationality | Jordanian | |
| Marital Status | Single | |
| Address | Anjara-Ajlune | |
| Work Tel No. | | Sub: |
| Mobile: | | |
| Postal Address | | |