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Rami M. Jomaa is an Assistant Professor in the Artificial Intelligence Department at the University of Prince Mugrin. He teaches a range of courses, including Artificial Intelligence I & II, Machine Learning, and Robotics. Beyond his teaching duties, Dr. Jomaa is actively involved in several departmental and college committees, such as the ABET and Capstone committees. His research interests include artificial intelligence, machine learning, deep learning, and biometrics. Dr. Jomaa has published in respected journals and contributes to research projects funded by well-known institutions.

Qualification :

- PhD. in Computer Sciences (2020)
- MSc. in Computer Sciences (2012)
- BSc. in Computer Engineering (2007)"

Research Interest :

- Artificial Intelligence, Machine Learning, and Deep Learning
- Biometrics and Image Processing"

Publications :

- Ammour, N.; Jomaa, R.M.; Islam, M.S.; Bazi, Y.; Alhichri, H.; Alajlan, N. Deep Contrastive Learning-Based Model for ECG Biometrics. Appl. Sci. 2023, 13, 3070. https://doi.org/10.3390/app13053070.
- Islam, M.S.; Alhichri, H.; Bazi, Y.; Ammour, N.; Alajlan, N.; Jomaa, R.M. Heartprint: A Dataset of Multisession ECG Signal with Long Interval Captured from Fingers for Biometric Recognition. Data 2022, 7, 141. https://doi.org/10.3390/data7100141.
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- R. M. Jomaa, M. S. Islam, H. Mathkour, and S. Al-Ahmadi, "A multilayer system to boost the robustness of fingerprint authentication against presentation attacks by fusion with heart-signal," Journal of King Saud University - Computer and Information Sciences, vol. 34, no. 8, Part A, pp. 5132–5143, Sep. 2022, doi: 10.1016/j.jksuci.2022.01.004. (Impact Factor: 13.473)
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- R. M. Jomaa, M. S. Islam and H. Mathkour, ""Improved sequential fusion of heart-signal and fingerprint for anti-spoofing,"" 2018 IEEE 4th International Conference on Identity, Security, and Behavior Analysis (ISBA), Singapore, 2018, pp. 1-7.5
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- R. M. Jomaa, R. Sammouda, M. Hassan, and A. A. Abduljawad, " DISTANCE-BASED COMPARISON FOR HOPFIELD NN SEGMENTATION OF HEART REGIONS IN CT IMAGES,"" ICIC Express Letters, vol. 7, p. 6, 2013.
- R. Sammouda, R. M. Jomaa, and H. Mathkour, ""Heart region extraction and segmentation from chest CT images using Hopfield Artificial Neural Networks,"" 2012, pp. 1-6.
- A. A. Amory, R. Sammouda, H. Mathkour, and R. M. Jomaa, ""A content based image retrieval using K-means algorithm,"" in Digital Information Management (ICDIM), 2012 Seventh International Conference on, 2012, pp. 221-225.
- R. M. Jomaa, A. El-Zaart, and H. Mathkour, ""Improvements on Moment-Preserving Method for Image Thresholding,"" Journal of Communications and Computer Engineering, vol. 2, p. 19:22, 2011.
- R. M. Jomaa, A. El-Zaart, and H. Mathkour, ""An Improved Moment-Preserving Method for Image Thresholding,"" presented at the 7th International Computing conference in Arabic Riyadh, Saudi Arabia, 2011."

Other Accreditation:

- Saudi Computer Society
- Committee of AI Hackathon of Madina Date Festival 2024"