1. **Name: Eman Samir Mohamed Sabry,** Assistant Professor, Department of Communications and Computers Engineering, Higher Institute of Engineering, El-Shorouk Academy, Egypt

2. **Degrees:**
   - B.S. (Electronics, Communications and Computer Engineering) El-Shorouk Academy, Cairo, Egypt.   2007
   - M.S. (Communications Engineering) Faculty of Engineering, Arab Academy for Science, Technology, and Maritime Transport, Cairo, Egypt   2016
   - Ph.D. (Electronics and Communications Engineering Dept.), Faculty of Electronic Engineering, Menoufia University, Menouf, Egypt.   2023

3. **Years of Service on Faculty:** 1
   - 1/2024 - Present Assistant Professor

4. **Other Experience:**
   - None.

5. **Consulting Activities (selected)**
   - Reviewer for lots of research as the following entitled with:
     - "Real-Time Home Energy Management with IoT and Blockchain: Balancing Consumption and Peer-to-Peer Trading " has been reviewed and published in Engineering, Technology & Applied Science Research. (2024).
     - "Optical Flow Techniques for Crowd Behavior Analysis" has been reviewed and published in the Journal of Optics. (2024)
     - "Energy-Efficient and Reliable Routing for Real-time Communication in Wireless Sensor Networks " has been reviewed and published in Engineering, Technology & Applied Science Research. (2024)
     - And others.

6. **States in which registered:**
   - Cairo, Egypt.

7. **Principal publications of last 5 years (selected):**
   - Implementation of Video Codecs Over IPTV Using Opnet, Bioscience Biotechnology Research Communications, 2019
   - Chapter 11 Video Codecs Assessment over IPTV Using OPNET, Shaping the Future of ICT: Trends in Information Technology, Communications Engineering, and Management, CRC Press, 2017.
   - Evaluating IPTV network performance using OPNET, Communication, Management, and Information Technology: Proceedings of the International Conference on Communication, Management, and Information Technology (ICCMIT 2016).
   - Sabry, E.S.; Elagooz, S.; El-Samie, F.E.A.; El-Shafai, W.; El-Bahnasawy, N.A.; El-Banby, G.; Soliman, N.F.; Sengan, S.; Ramadan, R.A. Sketch-Based

Retrieval Approach Using Artificial Intelligence Algorithms for Deep Vision Feature Extraction. Axioms 2022, 11, 663. https://doi.org/10.3390/axioms11120663.

- Sabry, E.S., Elagooz, S.S., El-Samie, F.E.A. et al. Evaluation of feature extraction methods for different types of images. J Opt (2023). https://doi.org/10.1007/s12596-022-01024-6.
- E. S. Sabry et al., "Image Retrieval Using Convolutional Autoencoder, InfoGAN, and Vision Transformer Unsupervised Models," in IEEE Access, vol. 11, pp. 20445-20477, 2023, https://doi.org/10.1109/ACCESS.2023.3241858.
- Sabry, E.S.; Elagooz, S.; El-Samie, F.E.A.; El-Bahnasawy, N.A.; El-Banby, G., Assessment of various feature extraction methods for object discrimination in different scenarios, J Opt (2023). https://doi.org/10.1007/s12596-023-01132-x.
- Sabry, E.S.; Elagooz, S.; El-Samie, F.E.A.; El-Bahnasawy, N.A.; El-Banby, G. SIFT and ORB performance assessment for object identification over different test cases, J Opt (2023). https://doi.org/10.1007/s12596-023-01170-5
- Sabry, E.S.; Elagooz, S.; El-Samie, F.E.A.; El-Bahnasawy, N.A.; El-Banby, G.; Ramadan, R.A., Matching Evaluation Based on Image Content Discriminative Features for Different Image Types, The Imaging Science Journal, Taylor & Francis, 2023. https://doi.org/10.1080/13682199.2023.2171555.

8. Scientific and professional societies of which a member

- Egyptian communication Engineering syndicate.

9. Honors and awards:

- Bachelor of Science (Sep 2007) degree (Hons.) (Second Rank)
- M.Sc. degree from the Faculty of Engineering, Arab Academy for Science, Technology, and Maritime Transport, in 2016. (Excellent)

10. Institutional & professional service in last 5 years:

- Member of the Midterm Exams control unit of the communication Dep. in the Higher Institute of Engineering at El-Shorouk Academy (2008- 2019).
- Member of the Academic Schedules (2008-until now)
- Member of the committee of the Exams control unit of the preparatory year in the Higher Institute of Engineering at El-Shorouk Academy.
- Member of the educational affairs committee at the Department of Communication and Computer Engineering in the Higher Institute of Engineering at El-Shorouk Academy (2022- until now).

11. Professional Development Activities in the last 5 years:

Attendance at professional/technical meetings of the Communication and Computer Engineering Department.