1. **Name: Mohamed Edries**, Assistant Professor, Department of Communication and Computer Engineering, Higher Institute of Engineering, Elshorouk City

2. **Degrees:**

- B.S. (Communication and Computer Engineering)
  Higher Institute of Engineering, Elshorouk City, Cairo, Egypt 2007
- M.S. (Electrical and Communication Engineering)
  Al-Azhar University, Cairo, Egypt 2016
- Ph.D. (Electrical and Communication Engineering)
  Banha University, faculty of engineering at Shoubra, Cairo, Egypt 2020

3. **Years of Service on Faculty:** 04

- 9/20 - Present Assistant Professor

4. **Other Experience:**

- 12/23 – date: Assistant Professor, Office of the Advisor to the Minister of Communications and Information Technology for Technological Skills Development, Cairo, Egypt

5. **Consulting Activities (selected)**

- None

6. **States in which registered:**

- Cairo, Egypt.

7. **Principal publications of last 5 years (selected):**

- M. Edries, H. A. Mohamed, A. A. Ibrahim, " A dual band 28/38 GHz metamaterial absorber for fifth generation applications," in Journal of Infrared, Millimeter, and Terahertz Waves, vol. 44, pp. 898-911, 2023, doi: 10.1007/s10762-023-00948-9.
- H. A. Mohamed, M. Edries, M. A. Abdelghany and A. A. Ibrahim, "Millimeter-Wave Antenna With Gain Improvement Utilizing Reflection FSS for 5G Networks," in IEEE Access, vol. 10, pp. 73601-73609, 2022, doi: 10.1109/ACCESS.2022.3189651.
- M. Edries, H. A. Mohamed, S. S. Hekal, M. A. El-Morsy and H. A. Mansour, "A Tri-band Metamaterial Absorber for Radar Cross Section Reduction," International Journal of Microwave and Optical Technology, 16, 2, pp. 183-190, March 2021.
- M. Edries, H. A. Mohamed, S. S. Hekal, M. A. El-Morsy and H. A. Mansour, "A New Compact Quad-Band Metamaterial Absorber Using Interlaced I/Square Resonators: Design, Fabrication, and Characterization," IEEE Access, 8, pp. 143723-143733, 2020, doi: 10.1109/ACCESS.2020.3009904.
- M. A. El-morsy, M. Edries, H. A. Mohamed, S. S. Hekal, and H. A. Mansour, “Quick Experiments Description Manual for Radiowave Absorption `Measurements,” International Research Journal of Engineering and Technology (IRJET), 7, 5, May 2020.

- M. Edries, H. A. Mohamed, S. S. Hekal, M. A. El-morsy and H. A. Mansour, "Simulation Design of Dual Band Metamaterial Absorber Based on the Fractal Structure," 2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Atlanta, GA, USA, 2019,
  doi: 10.1109/APUSNCURSINRSM.2019.8889195.
- M. Edries, M. A. El-morsy, H. A. Mohamed, S. S. Hekal and H. A. Mansour, "Literature Review on Radar Absorbers using Metamaterials," 2019 URSI International Symposium on Electromagnetic Theory (EMTS), San Diego, CA, USA, 2019, doi: 10.23919/URSI-EMTS.2019.8931453.

8. **Scientific and professional societies of which a member**

- Egyptian Electrical Engineering syndicate

9. **Honors and awards:**

- The ideal assistant lecturer at the Higher Institute of Engineering, Elshorouk City, for the academic year 2018/2019

10. Institutional & professional service in last 5 years:

- Member, Research Committee, Higher Institute of Engineering, Elshorouk City, Cairo, Egypt
- Assistant Professor and Head, Grant International Cooperation Office (GICO), Technology Innovation Commercialization Office (TICO), Higher Institute of Engineering, Elshorouk City, Cairo, Egypt
- Member, receiving answer sheets Committee for the preparatory band, Higher Institute of Engineering, Elshorouk City, Cairo, Egypt
- Member, Quality Committee, Higher Institute of Engineering, Elshorouk City, Cairo, Egypt
- Assistant Professor in the Obour High Institute for Engineering, Communication and Electronics department, second term, academic year: 2021/2022 - (part time)

11. Professional Development Activities in the last 5 years:

- Preparing internationally certified trainers (TOT) 2022
- Techniques for preparing a program self-evaluation study 2021
- Digital transformation 2021
- Quality standards in the teaching process 2021
- Use of communications systems laboratory equipment 2021