

**1. Name:** Omneia Mahamad shawky, Assistant Professor, Department of Architecture, Higher Institute of Engineering, Elshorouk Academy.

**2. Degrees:**

- B.S. (Architecture Engineering) Higher Institute of Engineering, Elshorouk Academy, Elshorouk City, Cairo, Egypt. 2005
- M.S. (Architecture Engineering) Al-Mataria Engineering, Helwan University, Egypt. 2012
- Ph.D. (Architecture Engineering) Al-Mataria Engineering, Helwan University, Egypt. 2021

**3. Years of Service on Faculty:** 19

- 06/2021 - present Assistant Professor.

**4. Other Experience:**

- Teaching Architectural Construction .
- Teaching Architectural design.
- Teaching formation and the basics of design and architectural presentation.
- Teaching executive drawings.

**5. Consulting Activities (selected)**

Null

**6. States in which registered:**

- Cairo, Egypt.

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

- **Augmented reality applications in the fields of architecture between opportunities and challenges Published in volume (129) for the month of March 2021.**
- **The impact of augmented reality on architectural education (applied study on architectural construction) published in volume (169) for the month of March 2021.**
- **Sustainability principles as an economic approach to solving the problem of low-cost housing in Egypt The first conference of Al-Shorouk Academy for the year 2019.**
- **Sustainability Strategies in Architectural Formation and Formation (Studying Ecological Environmental Trends) First Conference of Al-Shorouk Academy for the year 2019.**
- **Anber, M., & Shawky O. (2024). Achieving Indoor Thermal Comfort Using AI-Controlled Shading in Hot Arid Climates in Office Buildings, International Design Journal, Vol. 14 Iss. 1 doi: 10.21608/idj.2024.305830.1172**

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

Member of the Engineers Syndicate.

**9. Honors and awards:**

Null

**10. Institutional & professional service in last 5 years:**

Development of augmented reality application for architectural education.

**11. Professional Development Activities in the last 5 years:**

Attending workshops in:

- **Quality workshops in 2020-2021**
- **AUTODESK BIM Software platform**
- **OPENSOURCE platform architectural application**