



Dr. Ahmed Abdulkarim Ali Rashwan

Assistant Professor

Personal Data

Nationality | Egyptian

Date of Birth | 22-2-1987

Department | Architecture

Official IAU Email | arashwan@iau.edu.sa

Language Proficiency

| Language | Read | Write | Speak |
|----------|-----------|-----------|-----------|
| Arabic | Excellent | Excellent | Excellent |
| English | Excellent | Excellent | Excellent |

Academic Qualifications

| Date | Academic Degree | Place of Issue | Address |
|---------|--------------------------------|--|-----------------|
| 2017/18 | PhD. Architectural Engineering | Department of Architecture, Mansoura University | Mansoura, Egypt |
| 2013/14 | MSc. Architectural Engineering | Department of Architecture, Mansoura University | Mansoura, Egypt |
| 2009/10 | BSc. Architectural Engineering | Department of Architecture, Mansoura University | Mansoura, Egypt |

PhD, Master or Fellowship Research Title

| | |
|--------|--|
| PhD | Psychophysiological effects of Composition of Parametric Building Envelopes in Users of Architectural Spaces |
| Master | The Role of Nanotechnology in the Formulation of Sustainable Design of Future Architecture - Studying The impact of nanomaterials on compatibility between future architecture and sustainable building rating systems |

Professional Record

| Job Rank | Place and Address of Work | | Date |
|---------------------|----------------------------|--------------------------------------|---------|
| Assistant Professor | Department of Architecture | College of Architecture and Planning | 2018/19 |
| Lecturer | Department of Architecture | College of Architecture and Planning | 2015/16 |

Scientific Achievements

Published Refereed Scientific Researches

| # | Name of Investigator(s) | Research Title | Publisher and Date of Publication |
|---|--|--|---|
| 1 | Ahmed Rashwan, Lamis ELGizawi, Sherief Sheta | Psychological and Physiological Effects of Integrating Building Envelopes with Parametric Patterns in Office Workers | Architecture and Planning Journal ,2017 |
| 2 | Ahmed Rashwan, Osama Farag, Wael Seddik Moustafa | Energy Performance Analysis of Integrating Building Envelopes with Nanomaterials | International Journal of Sustainable Built Environment,Elsevier,Sciadirect,2013 |
| 3 | Ahmed Rashwan, Osama Farag, Wael Seddik Moustafa | The Impact of Nanomaterials on Compatibility between Future Architecture and Sustainable Building Rating Systems | Journal of Al-Azhar University Engineering Sector,2013 |

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

| # | Name of Investigator(s) | Research Title | Conference and Publication Date |
|---|----------------------------|--|---|
| 1 | Ahmed Rashwan, Osama Farag | The role of the psychological impact of environmental quality assessment tool Design of Green Architecture | The 5th International Architectural Conference, Cairo University, Cairo, Egypt, 2009. |

Current Researches

| # | Research Title | Name of Investigator(s) |
|---|--|-------------------------|
| 1 | Evaluation of The Effect of Integrating Building Envelopes with Parametric Patterns on Daylighting Performance in Office Spaces in A Hot Dry Climate | Ahmed Rashwan |
| 2 | Smart Systems Technologies entry towards improving the efficiency of energy saving in the Smart buildings | Ahmed Rashwan |



Training Programs

| # | Course/Workshop Title | Year |
|----|---|------|
| 1 | Using Action Research in Teaching and Assessment | 2018 |
| 2 | Assessing The 21st Century “Soft” Skills | 2017 |
| 3 | Visual learning | 2017 |
| 4 | Critical Thinking | 2017 |
| 5 | Questioning to Develop Higher-Order Thinking Skills | 2017 |
| 6 | Exam Blueprint | 2017 |
| 7 | Say It Like You Mean It: Communication Skills for Instructors | 2017 |
| 8 | Analyzing and Reading Test’s Results | 2016 |
| 9 | Enhancing Learning Through the Use of Technology | 2016 |
| 10 | Communication Skills | 2015 |

Teaching Activities

Undergraduate

| # | Course/Rotation Title | No./Code | Extent of Contribution |
|----|---|----------|------------------------|
| 1 | DESIGN III | ARCH 201 | SEMSTER |
| 2 | DESIGN IV | ARCH 202 | SEMSTER |
| 3 | DESIGN V | ARCH 301 | SEMSTER |
| 4 | Environmental Design I | ARCH-231 | SEMSTER |
| 5 | CAD Applications | ARCH-241 | SEMSTER |
| 6 | Computer Modeling | ARCH 351 | SEMSTER |
| 7 | Environmental Control Systems (Thermal) | ARCH-222 | SEMSTER |
| 8 | Special Topic in Sustainability | ARCH-555 | SEMSTER |
| 9 | Computer Modeling | ARCH-351 | SEMSTER |
| 10 | Building Information Modeling (BIM) | BSTC-351 | SEMSTER |
| 11 | Design Studio VII: Technical Project (Special Structures) | BSTC-401 | SEMSTER |
| 12 | Design Studio VIII: Technical Project (BIM) | BSTC-402 | SEMSTER |

Administrative Responsibilities, Committee and Community Service

Committee Membership

| # | From | To | Position | Organization |
|---|------|------|--|---|
| 1 | 2015 | 2016 | Member - Team Room - NAAB Preparation | Department of Architecture - College of Architecture and Planning |
| 2 | 2017 | 2018 | Member – NCAAA Preparation | Department of Architecture - College of Architecture and Planning |
| 3 | 2017 | Now | Member – Quality and development committee | Department of Architecture - College of Architecture and Planning |



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|---|------|-----|--|---|
| 4 | 2017 | Now | Member – Quality of Assessment and Examination | Department of Architecture - College of Architecture and Planning |
|---|------|-----|--|---|

Personal Key Competencies and Skills:

| | |
|-----------------|--|
| Computer Skills | Autodesk Revit Architecture - Autodesk Ecotect Adobe Photoshop -Autodesk Vasari - Autodesk Flow Design Autodesk Green building studio Design Builder Software Radiance Software - Velux Software - DAYSIM Software 3Ds studio max - Grasshopper Microsoft Office |
| Soft Skills | Leadership skills - Presentation skills - Problem solving Working professionally - Communication skills |

Last Update

11-2018