

Basic Information :

Name : Asmaa Hassan
Title : assistant Lecturer



Asmaa Gamal is currently assistant Lecturer at Future University in Egypt (FUE). She holds a Bachelor of Science in Architecture degree from Faculty of Engineering, Cairo University in 2011. Asmaa finished her master of science in Environmental Design in Architectural Engineering from the department of architecture, Faculty of engineering, Cairo University in 2016.

Education :

Certificate	Major	University	Year
Masters	Architecture Engineering- Environmental Design	Cairo University- Faculty of Engineering	2016
Bachelor	Architecture Engineering	Cairo University	2011

Research :

- Coupling Parametric Design and Robotic Assembly Simulation to Generate Thermally Responsive Brick Wall.
- Adaptive Parametric Algorithm for Optimizing Non-Conventional Solar Screens for South-Oriented Office Facades in Cairo.
- Parametric Investigation of Brick Extrusion Patterns using Thermal Simulation.
- Parallel Parametric Simulation for Optimizing Non-Conventional Solar Screens: An Approach for Balancing Daylight and Thermal Performance in Hot Arid Climates.
- Middle Income Public Housing In Egypt, Evaluate and Improve to Reach a Sustainable Design.
- Middle-income Public Housing in Egypt, Evaluate and Improve to Reach a Sustainable Design

Conference :

- Parallel Parametric Simulation for Optimizing Non-Conventional Solar Screens: An Approach for Balancing Daylight and Thermal Performance in Hot Arid Climates
- Parametric Investigation of Three Types of Brick Bonds for Thermal Performance in a Hot Arid Climate Zone
- The Balance between Daylighting and Thermal Performance Based on Exploiting the Kaleidocycle Typology in Hot Arid Climate of Aswan, Egypt
- DAYLIGHTING DRIVEN DESIGN: OPTIMIZING KALEIDOCYCLE FACADE FOR HOT ARID CLIMATE

Thesis :

PARAMETRIC DESIGN OPTIMIZATION FOR SOLAR SCREENS: AN APPROACH FOR BALANCING THERMAL AND DAYLIGHT PERFORMANCE FOR OFFICE BUILDINGS IN EGYPT

Awards :

Award	Donor	Date
Building Simulation Group (BSG) Award 2016-Masters Student Award in Building Simulation (2016)	London,United Kingdom	01/01/2016

