

AMAL HAMDY

Doctor of Environmental Design

PHONE

01112226156

E-MAIL

amalhamdy@aucegypt.edu

ADDRESS

Office#1132, School of Sciences and Engineering (S.S.E.), The American University in Cairo (A.U.C.), New Cairo City Campus, Egypt

PROFESSIONAL SUMMARY

Dr. Hamdy is currently an assistant architecture and urban design professor at the American University in Cairo (AUC). Her research interests are focused on exploring the influence of the built environment on promoting socio-spatial sustainability and ecologically sound urban fabrics.

Dr. Hamdy has been involved in several research projects to assess the impact of urban form and landscape spatial patterns on enhancing community values, public health and quality of life. She partook in diverse interdisciplinary research projects working with the Michigan Department of Natural Resources (DNR), the Centers for Disease Control (CDC), the Michigan Department of Health and Human Services (MDHHS), the Marquette County Climate Adaptation Task Force (CATF), the Sign Research Foundation (SFI) and other partners.

One of Dr. Amal's main areas of research interest focuses on the development of the urban morphology of the macro and micro scale of cities from the lens of sustainability. Also, her research interest encompasses other issues that are crucial to deliver socio-spatial sustainability, such as climate change, green building, green infrastructure, landscape spatial patterns, placemaking, civic design, regional infrastructure development and urban design and planning.

EDUCATION

JULY 2021

Doctorate Degree: Environmental Design

School of Planning, Design, and Construction (SPDC), Michigan State University, Lansing, MI, USA

MAY 2013

Master's Degree: Urban and Regional Planning

Taubman College of Architecture and Urban Planning, University of Michigan, Ann Arbor, MI, USA

MAY 2009

Master's Degree: Urban Design

Taubman College of Architecture and Urban Planning, University of Michigan, Ann Arbor, MI, USA

JULY 2005

Bachelor's Degree: Urban Design and Planning

Architectural Engineering school, Ain Shams University, Cairo, Egypt

WORK EXPERIENCE

OCTOBER 2020-JUNE 2021

Assistant Professor

School of Science and Engineering (SSE), American University in Cairo (AUC), New Cairo, Egypt

OCTOBER 2020-JUNE 2021

Lecturer

Future University in Egypt (FUE), New Cairo, Egypt

JUNE 2018-AUGUST 2018

Lecturer Assistant

School of Planning, Design, and Construction (SPDC), Michigan State University, Lansing, MI, USA

SEPTEMBER 2005-JULY 2006

Lecturer Assistant

Architectural Engineering school, Ain Shams University, Cairo, Egypt

RELATED
EXPERIENCE

OCTOBER 2016-MAY 2020

Design Team Leader and Researcher

Centers for Disease Control (CDC), Marquette, MI, USA

- Assisted in publishing Climate and Health Adaptation Planning Guide for Michigan Communities Report, and Marquette Area Climate and Health Adaptation Guidebook Volumes I, II and III
- Michigan Climate and Health Program (MICHAP) of the Michigan Department of Health and Human Services (MDHHS) funded this study. MICHAP provided funding for this project through their CDC grant

JANUARY 2017-SEPTEMBER 2017

Design Team Leader

School of Planning, Design, and Construction (SPDC), Michigan State University, Lansing, MI, USA

- Worked collaboratively with MSU design team in partnership with the Sign Research Foundation (SRF) to examine the correlation between streetscape design intensity and the likelihood of finding on-premise signage through using 3M's Visual Attention Software (VAS)
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PUBLICATIONS

- Joel L. Arnold, Elena Cangelosi, Wayne R. Beyea, Amal Shaaban and Suk-Kyung Kim "Rural Climate Resilience through Built Environment Interventions: Modified Deliberation with Analysis as a Tool to Address Barriers to Adaptive Capacity." Regional Studies and Regional Science, Volume 8 Issue 1, 2020
 - Climate and Health Adaptation Planning Guides for Michigan Communities and Operation of Residential Buildings Report
https://www.canr.msu.edu/climate-change/educational_materials
 - Marquette Area Climate and Health Adaptation Guidebook Volume III: Prioritizing and Implementing Recommendations Report
https://www.canr.msu.edu/climate-change/educational_materials
 - Marquette Area Climate and Health Adaptation Guidebook Volume II: Policy and Metrics Recommendations Report
https://www.canr.msu.edu/climate-change/educational_materials
 - Marquette Area Climate and Health Adaptation Guidebook Volume I: Stakeholder Engagement and Visual Design Imaging Report
https://www.canr.msu.edu/climate-change/educational_materials
 - Business Signage and Placemaking in Streetscapes Report
<https://signresearch.org/business-signage-and-placemaking-in-streetscapes>
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