



Dr. Ahmed Mohamed Refaat

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EDUCATION

Ph.D., Urban Design, School of the Built Environment, The University of Manchester, UK, 2009

Concentrations: Architecture and Urban Design

Dissertation: *The Morphology of The Urban Grid in Assiut, Egypt: A Framework for Analysis and Improvement*

Dissertation Advisors: Frank Brown, Ph.D., School of the Built Environment, The University of Manchester, UK

MSc., Architecture, Department of Architectural Engineering, Assiut University, Egypt, 2002

Concentrations: Architecture and Urban Design

Thesis: *Studying the Design Aspects of Approach Axis to Building Groups in Egyptian City, the case of Assiut city*

Thesis Advisor: Prof. Mahmoud AbdAlatif, Dr. Mamdouh Ali Yousef, Architecture, Department of Architectural Engineering, Assiut University, Egypt.

B.Arch, Department of Architectural Engineering, Assiut University, Egypt, 1996

TEACHING EXPERIENCE

Assistant Professor, Effat University, 2015-Present

College of Architecture and Design

Courses:

Undergraduate: (Architecture design studios: ARCH102 – ARCH 203 - ARCH204 – ARCH 306 & Capstone Project: ARCH572) – (Building Constructions and Martials courses: (ARCH 252- ARCH 352) – (Urban Design: ARCH342) – (Housing and Economic: ARCH444) – (Project management: ARCH 557) – (Professional Practice (ARCH 457) – (Research Methods: ARCH 340).

Postgraduate: (Research Project: PGGY004) – (Housing and Economics: PGGY002) – (Site and Landscape design: UD612) – (Computational tools in Urban Design: UD 616) – (Urban design thesis 1: UD690) – (Urban design project: UD618) – (Advance Urban Design Computation (space syntax): UD431)

RESEARCH EXPERIENCE

- Spatial Analysis of the city structure via Space Syntax Techniques and methodologies
- Urban Morphology
- Urban Design
- Architectural Design
- Sustainable Urbanism

PUBLICATIONS

Refaat, Ahmed Mohamed, Shahad Ghazoliy, Hosam Salah El Samaty, and Ahmed Abd Elaziz Waseef. 2024. "Integrating Humanising Aspects into Urban Design: A Comprehensive Framework for Enhancing Quality of Life in Jeddah City" *Urban Science* 8, no. 4: 172. <https://doi.org/10.3390/urbansci8040172>

Fekry, Mohamed and Refaat, Ahmed (2023) The Saudi Heritage' s Role in Promoting Sustainable Cities and Communities in Research on Heritage Impact Assessment. Universal Publisher, ISBN: 978-9953-591-75-9

Hosam Salah El Samaty, Joanna Ziyad Feidi, Ahmed Mohamed Refaat, The impact of glazed barriers on the visual and functional performance of transition spaces in college buildings using space syntax, *Ain Shams Engineering Journal*, 2023,102119, ISSN 2090-4479

Mady Mohammed, Zeina Beydoun, Ahmed Refaat (2023). Adaptive Design Guidelines for Health-based Promenades in Jeddah City. *Civil Engineering and Architecture*, 11(4), 2040 - 2071. DOI: 10.13189/cea.2023.110427.

Jamjoom, W., Refaat, A.M. (2022). The Social Development of Neglected Open Space: The Case of Jeddah City, (A Critical Review). In: Mohamed, M., Ibrahim, A., Fekry, M. (eds) *Cities of the Future*. Springer, Cham. https://doi.org/10.1007/978-3-031-15460-7_6

Reem K. Hussain , Ahmed M. Refaat (2022). Conceptual Design and Development of the Kid's Kingdom in Jeddah, Saudi Arabia. *Civil Engineering and Architecture*, 10(3A), 1 - 7. DOI: 10.13189/cea.2022.101301.

Lina Abdullah Alamodi , Tarek Abdulsalam , Ahmed Refaat (2022). Design and Planning to Develop a Trauma Hospital in Jeddah, Saudi Arabia. *Civil Engineering and Architecture*, 10(3A), 37 - 42. DOI: 10.13189/cea.2022.101305.



Raneem Hossam Faidah , Ahmed M. Reffat , Aida Nayer (2022). Aviation Hub and Expo Development Design Plan. Civil Engineering and Architecture, 10(3A), 50 - 58. DOI: 10.13189/cea.2022.101307.

Safaa Fahad Alradade, Ahmed M. Refaat, Aida Nayer (2022). The Development of Senior Clubs. Civil Engineering and Architecture, 10(6), 2748 - 2753. DOI: 10.13189/cea.2022.100637

Mohamed, A.M.R.M, Salwa Samarghandi, Haitham Samir, Mohammed F.M. Mohammed (2020). The Role of Placemaking Approach in Revitalising AL-ULA Heritage Site: Linkage and Access as Key Factors. International Journal of Sustainable Development and Planning 15 (6), 921-926

Mohamed, Ahmed M. R. M. (2019). Space Syntax Theory and Its Contribution to Urban Design. In Abusaada, H., & Elshater, A, (Eds.), Digital Research Methods and Architectural Tools in Urban Planning and Design. Hershey, PA: IGI Global.

Sayed, Ayman, AbdAlsamea, Mohamed & Mohamed, Ahmed M. R. M. Pedestrianization as a sustainable approach for solving the traffic problems in Assiut City. (2018) The 9th in International Conference for Environmental and Development in Arabic Region, Assiut University, Egypt

Mohamed, Ahmed M. R. M. (2017), The experience of The Old Jeddah development: An example of Urban Primacy Control. International Conference of Urban Primacy and Traditional Urban fabric in Sultanate of Oman, Omani Study Center, Sultan Qaboos University, Muscat, Oman

Mohamed, Ahmed M. R. M. (2017), Sustainable transportation modes in Jeddah, KSA, An exploratory study. The First Memaryaat International Conference. Jeddah, KSA

Sayed, Ayman, AbdAlsamea, Mohamed & Mohamed, Ahmed M. R. M. Customising the Egyptian City for Pedestrian as a sustainable approach. (2016) The 3rd International Conference for Environmental Studies, Hughada, Egypt

Mohamed, Ahmed M. R. M. (2014), The Spatial Configuration of Formal Housing Types in New Assiut City, Egypt. In Soygenis, S. et al., (Eds). Re-Thinking Residential Environments, Proceedings of Environment and Design international Congress, Bahçeşehir University Press. Istanbul, Turkey

Mohamed, Ahmed M. R. M. (2012), The Characteristics of Urban Heritage Patterns of the Upper Egypt Cities: the case of Assiut City A proposed analytical framework. The third international architectural Conservation Conference and Exhibition, Architectural Conservation: Present and Future, Dubai.

Mohamed, Ahmed M. R. M. (2012), Conservation of Historical Areas through 'Open Studio Design' Educational Projects: the case of Gharb Sohil, Aswan City. The Conservation of the local traditional urban Style Symposium, Ministry of Housing, Muscat.

Mohamed, Ahmed M. R. M. (2012), Vernacular vs. Planned Urban Space and Urban Liveability. The Sixth International Seminar on Vernacular Settlements (ISVS-6), the Eastern Mediterranean University, Famagusta, North Cyprus.

Mohamed, Ahmed M. R. M., and Brown, F. (2009) The Urban Grid and its Consequences Assiut: An Egyptian Case-Study. IN Koch, D. Marcus. L. and Steen, J. (Eds.) Proceedings of the 7th International Space Syntax Symposium, Stockholm: KTH, 2009.

PATENTS

PRESENTATIONS

Revolutionizing Affordable Housing for Low and Middle-Class: Exploring the Potential of 3D Printing Technology in the 2nd International ARCH & DESIGN Conference and Expo. Effat University, Jeddah, KSA. 12th -14th November 2023

Exploring the Potential of Virtual Reality and Augmented Reality Technology in Revolutionizing Affordable Housing in KSA in the 2nd International ARCH & DESIGN Conference and Expo. Effat University, Jeddah, KSA. 12th -14th November 2023

The adoption of rapid urban development approaches to enhance the quality of life in the city's open spaces. the 1st International ARCH + DESIGN Conference. Title of the Conference: Man and Place: Creative Transformations. February 2023

Man and Space: Restoring the human dimension of urban open spaces. the 1st International ARCH + DESIGN Conference. Title of the Conference: Man and Place: Creative Transformations. February 2023

A Decision Support System for Urban Farming Using Digital Twin. the 1st International ARCH + DESIGN Conference. Title of the Conference: Man and Place: Creative Transformations. February 2023

Mohamed, Ahmed M. R. M. Hosam Elsamaty, and Ahmed Waseef (2019). The Components of Urban Context and Its Impact on Social Wellbeing. The Third Memaryaat International Conference. Jeddah, KSA

Evaluating the spatial structure Resilience of Jeddah neighborhoods. The 2nd Memaryat International Conference. Title of the conference Architecture and Urban Resiliency. April 2018

Beydoun, Zeina, Mohamed, Mady, and Mohamed, Ahmed M. R. M. (2018). Design Guidelines for Health-Based Promenades in Jeddah. The Second Memaryaat International Conference. Jeddah, KSA

GRANTS AND FELLOWSHIPS

- 2019 - Enhancing the health performance of Jeddah promenades (Funded by Effat University)
- 2012 - Detailed Plan for Egyptian Villages, Beni Suef Government (Funded by: The Egyptian Ministry of Housing, Utilities and Urban Development, General Organization of Physical Planning Unit)

AWARDS AND HONORS

2021- The first-place winner of the development SAMAYA Residential Neighborhood competition, , Dammam, KSA. (Team members Dr. M. Fekry Dr. Haithm Samir, and ARCH & MSUD students).

2020 - The Second-place winner of the development of Abu-Makhroq competition 2020, Riyadh, KSA. (Team members Dr. M. Fekry Dr. Haithm Samir, and ARCH & MSUD students).

2019-2020 - Effat Teaching excellence award for the academic year.

2012 - The First-place winner of the Engineering Syndicate competition, Assiut, Egypt (Team members Dr. Khaled Ali and Dr. Salwa Abd Alrahman)

THESIS SUPERVISIONS

- Aziz, Ghaliya (2024) A Framework to Identify The Appropriate Location of Bus Stops: The Case of Jeddah City. Master thesis, Effat University. Jeddah, KSA.
- Ghazoliy, Shahd (2023). Restoring the Human Dimension in Urban Open Spaces in Jeddah Neighborhoods. Master thesis, Effat University. Jeddah, KSA.
- Al-Kesmi, Fatma (2023). The Potentials of Jeddah Neighborhoods to Adopt the Rapid Urban Development Approaches. Master thesis, Effat University. Jeddah, KSA.
- Wijdan Jamjom (2022). A Framework to Develop Neglected Open Spaces: The Case of Jeddah City. Master thesis, Effat University. Jeddah, KSA.
- Nowar Alobidi (2021). Strategies for Urban Regeneration of The Deteriorated Areas - Case-study: Jeddah. Master thesis, Effat University. Jeddah, KSA.
- Hanafi, Ghalia (2021). Towards Enhancing the Waterfront/City Connectivity in Jeddah City. Master thesis, Effat University. Jeddah, KSA.
- Gari, Sara (2020). Urban development strategies for declined neighborhoods: Case study of Jeddah city. Master thesis, Effat University. Jeddah, KSA.
- Fakhia, Lubaba (2019). Adaptive use of Jeddah's Green Infrastructure for public safety: A Case for Flood Management Through Landscape. Master thesis, Effat University. Jeddah, KSA.

- Sayed, Ayman (2018) Customizing A Walkability Index for the Egyptian City. Ph. D thesis, Assiut University, Assiut, Egypt.
- Beydon, Ziena. (2018) Evaluation of Urban healthy-based performance of Jeddah. Master thesis, Effat University. Jeddah, KSA.
- Beydon, AL-Gohra. (2016) Place Identity in Urban Places in Jeddah. Master thesis, Effat University. Jeddah, KSA.

PROFESSIONAL MEMBERSHIPS

- 2021 – present Member - Saudi Engineers Council (SEC)
- 2006 – Present - Member – The International Network for Traditional Building, Architecture & Urbanism (INTBAU)
- 2006 - Present – Member - Egyptian Society for Scientific Researcher, (NGO).
- 1996 - Present - Registered Architect, Egypt Engineers Syndicate, Assiut, Egypt

RELEVANT SKILLS

Computer software: SPSS - Autodesk Certified Instructor – [Autodesk Certified Instructor - Standard - Credly](#)

Adobe Photoshop - Microsoft office (ICDL certificate) - Depthmap and Mindwalk (Spatial analysis software, space syntax) - Atlas software (Thematic and qualitative analysis)

REFERENCES
