



Samy Mohammad Zaki Afifi.

ORCID

0000-0003-2315-9850

Date and Place of Birth

20/10/1981-Cairo

Nationality

Egyptian

Current Position

Associate Professor at ASU

Director for Teacher Support & Development Centre – FoE- ASU

Executive Manager for Centre of Excellence in Engineering Education - ASU

Unit Head for Housing Architecture and Urban Development Program, FoE- ASU

Cofounder – Urban Development Centre

Expert at GOPP “GIS, City & village planning”

E-mail

Samy.Afifi@eng.asu.edu.eg

Samy.Afifi@outlook.com

Education & Qualifications

PhD Architectural Engineering – Urban Planning "Dissertation Title: Spatial Planning Support Systems in Egypt" Degree: Well-deserved - Faculty of Engineering – ASU

M.Sc. Architectural Engineering – Urban Planning "Thesis Title: Urban Growth Modelling" Degree: Well-deserved - Faculty of Engineering – ASU

B.Sc. Architectural Engineering – Urban Planning "General Graduation degree: Very Good with honour degree, Project degree: Excellent" - Faculty of Engineering – ASU

Samy Afifi is an associate professor at Urban Planning department - Faculty of Engineering, Ain Shams University-. He is a member of a team who is responsible for teaching many courses such as Theories and History of Urban Planning, Urban Economics, City Planning and Housing, and Urban Informatics.

In Professional practice, Samy is a cofounder for Urban Development Centre. After six years of experience in regional, urban planning and design field, his elder colleague allowed him to participate in establishing their own firm in 2008. His career allowed him to act, discuss, negotiate, and deal with spectrum of people with different backgrounds and governmental organizations all over Egypt.

His main interest is in IT and AI application in Urban Planning and Design, and analysing dynamics during evolution of traditional and contemporary urban settlements.

Research Projects

Center of Excellency for Engineering Education (PI)

Co-create GUI Engineering Curriculum for 21st Century ‘CRUISE’ (Researcher)

Measuring the Impact of Urban Morphology on Urban Heat Islands in Cairo (Researcher)

Smart& Future cities laboratory (SFCL) for Sustainable Urban Solutions (Researcher)

Training and Workshops certificates

2020 Evaluation and Assessment Challenges during Covid-19 pandemic

2020 Methods for Evaluation and Assessment

2020 Publishing in High Impact Journals

2020 Teaching Excellence in Engineering Education

2020 Big Data, General Level

2019 Extended Reality with Unity & Vuforia

2019 Managerial and entrepreneurial skills, Graz, Austria

2019 Accreditation for Programs: Concepts & Fundamentals

2019 Leadership and Tech Staff exchange, Koln, Germany

2018 Enhancing Engineering Education, KTH, Stockholm, Sweden

2014 Introduction to SPSS

2010 Introduction to C# Programming Language

2006 GIS advanced three- week course in Braunschweig, Germany

2005 GIS advanced course at Ain shams University

2004 Project Management – GIS Application in infra- structure

2002 GIS Principals in Urban planning & Land Administration

Academic Papers

Elshinawy E. Serag Y. Elshater A. & Afifi S. (2023). Urban acupuncture theory for reclaiming urban spaces during the covid-19 lockdown in new cairo city. Hbrc Journal 301–318. <https://doi.org/10.1080/16874048.2023.2271149>

El-Didy M. H. Hassan G. F. Afifi S. & Ismail A. (2023). Crowding between urban planning and environmental psychology: guidelines for bridging the gap. Open House International (20231107). <https://doi.org/10.1108/OHI-06-2023-0146>

Hemida A. A. Khalifa M. Abdelsalheen M. & Afifi S. (2023). A systematic review of coastal vulnerability assessment methods in the egyptian context: the case study. Hbrc Journal 161–181. <https://doi.org/10.1080/16874048.2023.2241964>

El-Bardisy N. Elshater A. Afifi S. & Alfiky A. (2023). Predicting traffic sound levels in cairo before during and after the covid-19 lockdown using predictor-lima software. Ain Shams Engineering Journal 102088–102088. <https://doi.org/10.1016/j.asej.2022.102088>

Asaad M. Farouk Hassan G. Elshater A. & Afifi S. (2023). Global south research priorities for neighbourhood sustainability assessment tools. Open House International (20230303). <https://doi.org/10.1108/OHI-10-2022-0278>

Fathallah N. A. Afifi S. Rashed R. & Hassan G. F. (2023). Deserted studio: evaluating remote-learning practices for the post-pandemic era. Architectural Science Review 259–270. <https://doi.org/10.1080/00038628.2022.2150123>

Negm A. Elshater A. & Afifi S. (2023). Virtual reality and traditional design methods in egyptian context. Engineering Research Journal - Faculty of Engineering (Shoubra) 27–35. <https://doi.org/10.21608/erjsh.2022.166381.1094>

Mahmoud S. Elshater A. & Afifi S. (2023). Resilient and responsible smart cities. In Resiliency for the future (pp. 165-Springer International Publishing). essay Krüger Eduardo L. https://doi.org/10.1007/978-3-031-20182-0_13

Wael S. Elshater A. & Afifi S. M. Z. (2022). Remapping urban heat island atlases in regenerative cities. In Mapping heat exposure of pedestrian density around metro stations using artificial intelligence (pp. 187–207). essay Engineering Science Reference. <https://doi.org/10.4018/978-1-6684-2462-9.ch009>

El-bardisy nardine Elshater A. Afifi S. & Alfiky A. (2022). Spatial analysis of noise contour mapping based on traffic speed. Ssrn Electronic Journal (2022). <https://doi.org/10.2139/ssrn.4185450>

Fathallah N. A. Rashed R. Afifi S. Hassan G. F. & 2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON). (2022). 2022 ieee 1st industrial electronics society annual on-line conference (oncon). In Virtual reality: a paradigm shift in architecture and urban design education (pp. 1–6). essay IEEE. <https://doi.org/10.1109/ONCON56984.2022.10126564>

Elshater A. Abusaada H. Tarek M. & Afifi S. (2022). Designing the socio-spatial context urban infill liveability and conviviality. Built Environment 341–363. <https://doi.org/10.2148/benv.48.3.341>

Wael S. Elshater A. & Afifi S. (2022). Mapping user experiences around transit stops using computer vision technology: action priorities from cairo. Sustainability 11008–11008. <https://doi.org/10.3390/su141711008>

Elmarakby E. Khalifa M. Elshater A. & Afifi S. (2022). Tailored methods for mapping urban heat islands in greater cairo region. Ain Shams Engineering Journal. <https://doi.org/10.1016/j.asej.2021.06.030>

Megahed G. Elshater A. & Afifi S. M. Z. (2020). Competencies urban planning students need to succeed in professional practices. Archnet-ljar: International Journal of Architectural Research 267–287. <https://doi.org/10.1108/ARCH-02-2019-0027>

Elshater A. Abusaada H. & Afifi S. (2019). What makes livable cities of today alike? revisiting the criterion of singularity through two case studies. Cities 273–291. <https://doi.org/10.1016/j.cities.2019.04.008>

Toimah A. M. A. & Afifi S. M. Z. (2019). Handbook of research on digital research methods and architectural tools in urban planning and design. In Introducing a conceptual framework for spatial decision sim (pp. 138–155). essay Engineering Science Reference. <https://doi.org/10.4018/978-1-5225-9238-9.ch008>

Ahmed N. Elshater A. & Afifi S. (2019). Innovations and interdisciplinary solutions for underserved areas : third eai international conference intersol 2019 cairo egypt february 14-15 2019 proceedings. In The community participation in the design process of livable streets (pp. 144-Cham : Springer International Publishing : Springer). essay Bassioni Ghada ghada_bassioni@eng.asu.edu.eg Ain Shams University Cairo Egypt. https://doi.org/10.1007/978-3-030-34863-2_13

Eid Y. Attia A. El-Refaie M. & Afifi S. (2014). Spatial Planning & Need to Spatial Planning Support Systems – UrbanSim as an Example, Journal of Engineering Sector of Engineering Colleges - Al-Azhar University, Vol 7 -32, 1063-1074

Professional Experience

2021-now

[Updating the Strategies for the Amanah of Hael, KSA](#)

Owner: Amanah of Hael

[Developing an open-source system to operate the bus station and respond to passengers' needs in Abnub Qibli station, and Edko new mobility hub](#)

Owner: GIZ Egypt

[Undertaking a context analysis and elaboration of measures in one informal area In Abnub City- Asyut Governorate](#)

Owner: GIZ Egypt

2018-2021

[Training for the Potential University Leaders, Academic Staff, TAs, & Administrative Staff](#)

Owner: Ministry of Higher Education

[Preparing the planning, building and activities guidelines for Cairo Governorate](#)

Owner: GOPP

[Preparing detail plan for Tawaree "Emergency" axe -El-Salam district](#)

Owner: GOPP

2015-2017

[Alternatives for developing 80 Feddans area in Badr City](#)

Owner: unii

[EZBET](#)

Owner: Stuttgart University, Ain Shams University

[Consultancy study for establishing the centre for development of national employment - Kuwait](#)

Owner: Al-Yassra consultancy

2012 - 2014

[Rapid Needs Assessment for Urban Upgrading Units in Cairo, Giza and Qalyubeya Governorates](#)

Owner: GIZ Egypt

[Preparing Detail plan for Shebein elKanater city](#)

Owner: GOPP

[Preparing urban design for Qubaa new civic center](#)

Owner: El-Madina El-Monawara Development Authority VIA Idea

2009 - 2011

[GCR Strategic Urban Development plan 2050 – Spatial Analysis](#)

Owner: BCG

[Mapping Strategic Plans for small cities](#)

Owner: UN-HABITAT

[Urban Design for Attaba and Opera Squares \(competition\) Joint Venture with University of Stuttgart, Institute of Architecture](#)

Owner: NOUH

[Master Plan for Ras elHekma Coastal Zone](#)

Owner: TDA

[Greater Cairo Region Strategic Urban Development plan 2050 – Spatial Analysis](#)

Owner: GOPP

2006 - 2008

[Preparing the local development plan for the poorest three district in Upper Egypt](#)

Owner: World Bank – Ministry of Local Development

[Toshka new city Centre and 1st district urban design.](#)

Owner: Development Research and Study Organization and Fund – ECOPA

[Preparing the master plan for Somesta new village.](#)

Owner: Development Research and Study Organization and Fund - ECOPA

[Preparing the master plan for Melita region, Libya.](#)

Owner: ODAC - SPINE

[Preparing the Local Development Plan for 4 villages in Menia Governorate.](#)

Owner: MISR program under United Nations Development Program

[Strategic plan for Qalioub city](#)

Owner: GOPP

[Strategic plan for Abo Tesht Markaz, Qena Governorate](#)

Owner: UNDP - MISR programme

[Strategic plan for Egyptian Villages, Fayoum Governorate \(26 Villages\) with UTI.](#)

Owner: GOPP

[1st year five-year plan – Strategic vision- for Qena and Aswan governorates](#)

Owner: UNDP - MISR programme

[Strategic plan for Egyptian Villages, Sharqeya Governrate \(4 Villages\) with CUPUD.](#)

Owner: GOPP

[Strategic plan for Egyptian Villages, Menofeya Governrate \(7 Villages\) with Azhar University.](#)

Owner: GOPP

[Strategic plan for Egyptian Villages, Dakhleya Governrate \(22 Villages\) with ECOPA.](#)

Owner: GOPP

2003 - 2005

[Architectural design for youth hostels in Sharm Elsheikh, Marsa Matrouh.](#)

Owner: EYHA

[Strategic plan for Egyptian Villages, Gharbeya Governorate \(31 Villages\) with CUPUD.](#)

Owner: GOPP

[Guidelines plans for Egyptian Villages "Kafr el-Rook, Barhamtosh, el-Balamon" with Azhar University](#)

Owner: GOPP

[Economic housing in Fayoom.](#)

Owner: UTI

[Guidelines plans for Egyptian Villages "Gheeta – Damas" with IDS](#)

Owner: GOPP

[Urban & Architectural design for Villas, Katameia Heights, Orabi & 6th of October City](#)

Owner: IDS

[Architectural & interior design for Barka optics group](#)

Owner: IDS