Samy Mohammad Zaki Afifi.

ORCID
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Date and Place of Birth
20/10/1981-Cairo

Nationality
Egyptian

Current Position

Associate Professor at ASU

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

Director for Teacher Support & Development Centre – FoE- ASU

Executive Manager for Centre of Excellence in Engineering Education - ASU

Cofounder and Technical Manager – Urban Development Centre '**UDC**'

Expert at GOPP "GIS, City & village planning"

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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 Policies and Economics, City Planning, Housing Policies and Regulations, and Urban Informatics.

In Professional practice, Samy is a cofounder for Urban Development Centre. After six years of experience in reginal, 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 in relation to running and proposed policies.

Training and Workshops certificates

Year	Certificate
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 Braunchweig, Germay
2005	GIS advanced course at Ain shams University
2004	Project Management – GIS Application in infra- structure
2002	GIS Principals in Urban planning & Land Administration
2001	Projects presentations for Competitions
2000	4-month Training Attendance at Arab Contractors

2021-now

Updating the Strategies for the Amanah of Hael, KSA
Owner: Amanah of Hael
Responsibilities: Strategic Planning Expert

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
Responsibilities: Team Leader

Jeddah South Project - An Integrated Housing Project
Owner: AlAmeen
Responsibilities: Urban Designer

Integrating SDGs into Local Area Development Plans LADPs
Owner: GIZ Egypt
Responsibilities: Main Consultant

Principles and standards for preserving the architectural character: General strategy for dealing with 10 districts in Cairo
Owner: NOUH
Responsibilities: Team leader for 4 districts

Center of Excellence for Energy
Owner: ASU Egypt, ASU USA and US-AID
Responsibilities: Curriculum Committee Member

2018-2020

Undertaking a context analysis and elaboration of measures in one informal area In Abnub City- Asyut Governorate
Owner: GIZ Egypt
Responsibilities: Team Leader

Training for the Potential University Leaders, Academic Staff, TAs, & Administrative Staff
Owner: Ministry of Higher Education
Responsibilities: Vice Project Manager

Preparing the planning, building and activities guidelines and regulations for Cairo Governorate
Owner: GOPP
Responsibilities: Urban Planner, GIS expert

Preparing detail plan for Tawaree "Emergency" axe -El-Salam district
Owner: GOPP
Responsibilities: GIS expert

2015-2017

Water infrastructure planning, construction and management for El-Baha governorate, KSA
Owner: General Directorate for Water in el-Baha, BECT
Responsibilities: GIS consultancy

EZBET
Owner: Stuttgart University, Ain Shams University
Responsibilities: Coordinator for R&D tasks

Consultancy study for establishing the centre for development of national employment - Kuwait
Owner: Al-Yassra consultancy
Responsibilities: Needs assessment Expert

2012 - 2014

Rapid Needs Assessment for Urban Upgrading Units in Cairo, Giza and Qalyubeya Governorates
Owner: GIZ Egypt
Responsibilities: Main Consultant

Training for GOPP regional centres staff
Owner: UN-Habitat, GOPP
Responsibilities: GIS Instructor.

Preparing Detail plan for Shebein elKanater city
Owner: GOPP
Responsibilities: Urban Planning and GIS expert

Preparing urban design for Qubaa new civic center
Owner: El-Madina El-Monawara Development Authority VIA Idea
Responsibilities: Regional Planning Expert, GIS Planner and Housing Expert

Strategic Plan for Khanka city
Owner: GOPP
Responsibilities: Regional and Urban Planning Analyst, GIS expert

2009 - 2011

Greater Cairo Region Strategic Urban Development plan 2050 – Spatial Analysis
Owner: BCG
Responsibilities: Regional studies Analyst and GIS expert.

Mapping Strategic Plans for small cities
Owner: UN-HABITAT
Responsibilities: GIS expert

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
Responsibilities: Regional planning and GIS expert

Action plan for two unsafe areas, Sharqeya Governorate
Owner: ISDF
Responsibilities: GIS expert – reporting

Greater Cairo Region Strategic Urban Development plan 2050 – Spatial Analysis
Owner: GOPP
Responsibilities: Urban Policy and GIS expert.

Profiling unsafe areas in Sharqeya, North and South Sinai
Owner: ISDF
Responsibilities: GIS technician – reporting

2006 - 2008

Preparing the local development plan for the poorest three district in Upper Egypt
Owner: World Bank – Ministry of Local Development
Responsibilities: GIS expert – Regional planner and team leader

Toshka new city Centre and 1st district urban design.
Owner: Development Research and Study Organization and Fund – ECOPA
Responsibilities: Preparing the GIS database for workshop drawings.

Preparing the master plan for Somesta new village.
Owner: Development Research and Study Organization and Fund - ECOPA
Responsibilities: Preparing the GIS database for workshop drawings.

Preparing the master plan for Melita region, Libya.
Owner: ODAC - SPINE
Responsibilities: GIS specialist – urban planner

Preparing the Local Development Plan for 4 villages in Menia Governorate.
Owner: MISR program under United Nations Development Program
Responsibilities: Participatory urban planner assistant, GIS expert

Strategic plan for Qalioub city
Owner: GOPP
Responsibility: Regional and Urban Planner, GIS expert

Strategic plan for Abo Tesht Markaz, Qena Governorate
Owner: UNDP - MISR programme
Responsibility: Regional and Urban Planner, GIS expert

Strategic plan for Egyptian Villages, Fayoum Governorate (26 Villages) with UTI.
Owner: GOPP
Responsibility: Facilitator, Urban Planner, GIS expert

1st year five-year plan – Strategic vision- for Qena and Aswan governorates
Owner: UNDP - MISR programme
Responsibility: Regional and Urban Planner, GIS expert

Strategic plan for Egyptian Villages, Sharqeya Governrate (4 Villages) with CUPUD.
Owner: GOPP
Responsibility: Facilitator, Urban Planner, GIS expert

Strategic plan for Egyptian Villages, Menofeya Governrate (7 Villages) with Azhar University.
Owner: GOPP
Responsibility: Facilitator, Urban Planner, GIS expert

Strategic plan for Egyptian Villages, Dakhleya Governrate (22 Villages) with ECOPA.
Owner: GOPP
Responsibility: Facilitator, Urban Planner, GIS expert

2003 - 2005

Architectural design for youth hostels in Sharm Elsheikh, Marsa Matrouh.
Owner: EYHA
Responsibility: Junior Architect

Strategic plan for Egyptian Villages, Gharbeya Governrate (31 Villages) with CUPUD.
Owner: GOPP
Responsibility: Facilitator, Urban Planner, GIS expert

Guidelines plans for Egyptian Villages "Kafr el-Rook, Barhamtosh, el-Balamon" with Azhar University
Owner: GOPP
Responsibility: Urban Planner.

Project Management Training Course.
Owner: UTI
Responsibility: Junior Instructor

Economic housing in Fayoom.
Owner: UTI
Responsibility: Junior Designers

Guidelines plans for Egyptian Villages "Kafr Tesfa, Moshtohor, Tahla"
Owner: UTI
Responsibility: Urban Planner.

Guidelines plans for Egyptian Villages "Gheeta – Damas" with IDS
Owner: GOPP
Responsibility: Urban Planner.

Urban & Architectural design for Villas, Katameia Heights, Orabi & 6th of October City
Owner: IDS
Responsibility: Junior Architect.

Architectural & interior design for Barka optics group
Owner: IDS
Responsibility: Junior Architect.

Academic Papers

- Anwar, S., Elshater, A., Afifi, S., Ismail, A., & Ghalib, H. (2025). Retrieving parameters of agile cities: A systematic literature review. Ain Shams Engineering Journal, 16(1), 103230. https://doi.org/10.1016/j.asej.2024.103230
- Elsayed, M., Elshater, A., Shehayeb, D., & Afifi, S. (2024). Crafting an urban restorative model from bibliometric analysis of neuro-urbanism literature. Open House International. https://doi.org/10.1108/OHI-08-2024-0291
- Nouran Hatem, Abeer Elshater, Samy Afifi, & Abdulmoneim Alfiky. (2024). Impact of wireless networking technology on social interaction in Cairo's public spaces. Ain Shams Engineering Journal, 15(12), 103114–. https://doi.org/10.1016/j.asej.2024.103114
- Elsayed, M., Elshater, A., Shehayeb, D., Finka, M. and Afifi, S.M.Z. (2024), "Exploring the restorative environments in Bratislava using EEG and VR: a neuro-urbanism approach", Archnet-IJAR, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/ARCH-02-2024-0068
- Ghanem, S., El-Fiki, S., Khalifa, M., & Afifi, S. (2024). District branding: content analysis toward identifying brand dimensions at the district scale. Place Branding and Public Diplomacy, 1–13. https://doi.org/10.1057/s41254-024-00343-8
- Mustafa, N.A., Hassan, G.F., Elrefaie, M.A.M. and Afifi, S. (2024), "Different factors affecting the real estate market in the Egyptian context", International Journal of Housing Markets and Analysis, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/IJHMA-03-2024-0044
- Asaad, M., Farouk Hassan, G., Elshater, A., & Afifi, S. (2024). Comparative study of green neighbourhood assessment tools for assessing existing urban form in MENA region. *Environmental Impact Assessment Review*, *106*. https://doi.org/10.1016/j.eiar.2024.107502
- Megahed, Gehad, Abeer Elshater, Samy Afifi, and Mohab Abdelmoneim Elrefaie. 2024. "Reconceptualizing Proximity Measurement Approaches through the Urban Discourse on the X-Minute City" *Sustainability* 16, no. 3: 1303. https://doi.org/10.3390/su16031303
- Soliman A. Soliman Y. A. Hassan G. F. & Zaki Afifi S. M. (2023). The crucible of the unfinished master plans for Cairo and a plan for the new administrative capital city. Archnet-Ijar: International Journal of Architectural Research (20231221). https://doi.org/10.1108/ARCH-10-2023-0269
- Khamis I. Elshater A. Afifi S. & Baher M. (2023). Residents' responses to social interactions and social sustainability in gated communities of the greater Cairo region. Hbrc Journal 543–562. https://doi.org/10.1080/16874048.2023.2287772
- Asaad M. Hassan G. F. Elshater A. & Afifi S. (2023). Analytical hierarchy process for ranking green neighbourhood efforts in the middle east and north africa region. Archnet-Ijar: International Journal of Architectural Research (20231123). https://doi.org/10.1108/ARCH-08-2023-0205
- 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
- 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-Ijar: 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