

Curriculum Vitae

PROF. SAMY BADR ELDIN SERAGELDIN

Professor of Architecture

*With expertise in: Housing and Urban Planning /
Building Technology / Property Valuation /
Preservation and Maintenance of Buildings*

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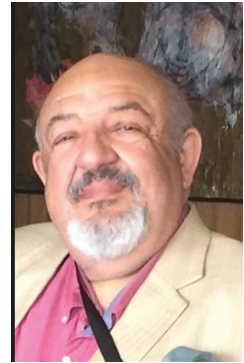
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Summary

Prof. Sami is a Professor of Architecture who was the main Founder and Chairman of the architecture department at the Higher Institute of Engineering- Elshorouk City from 2000 till 2012. He had his PhD in Architectural Engineering from the Faculty of Engineering, Cairo University in 1993. He has a very rich record of publications, researches and theses supervision. His research interests lie in the areas of building technology, architectural education and sustainability. Dr. Sami had a long and distinguished career as a Professor where he contributed in a scientific mission to the United States of America between 1999 and 2000. He undertook research visits and field trips to some well-known universities in the USA such as J.B. Speed School of Engineering, University of Louisville, Kentucky, Arizona State University (ASU), Arizona, Frank Lloyd Wright Foundation and School of Architecture (Taliesin), Scottsdale, Arizona. Moreover, he was the Project Manager of the Action "Cairo's Belle Epoque: Architectural Patterns" funded by the European Union and implemented by Dayra Foundation for Culture and Arts. Prof. Sami has a great professional experience besides his academic work. He worked as a consultant for several public and private entities. He also worked as an expert, technical advisor, technical manager and project manager in multiple projects.



Education

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| 1993 | PhD, Architectural Engineering , Faculty of Engineering, Cairo University, Cairo, Egypt
Dissertation: <u>Stating, Analysis and Evaluation of Housing for Low-Income Groups in Egypt: Definition of Users' Priorities According to Classifications of User Groups</u> |
| 1986 | Masters of Science, Architectural Engineering , Faculty of Engineering, Cairo University, Cairo, Egypt
Thesis: <u>The Impact of Site Mechanization on Architectural Design</u> |
| 1978 | Bachelor of Science, Architectural Engineering , Faculty of Engineering, Ain Shams University, Cairo, Egypt |

Training

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| 1999-2000 | Scientific Mission to the United States of America
<u>Research on Computer Application in Urban Planning and Architecture</u> , Computer Engineering and Computer Science (CECS) Department, J.B. Speed School of Engineering, University of Louisville, Kentucky, U.S.A. |
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Participation in the conception and preparation of Sustainable Urban Neighbourhoods (SUN) Program, University of Louisville, Kentucky, U.S.A.

Research visit for two weeks to Arizona State University (ASU), Arizona, U.S.A.

Field trip to Frank Lloyd Wright Foundation and School of Architecture (Taliesin), Scottsdale, Arizona, U.S.A.

Field visit to prefab factories and projects, Phoenix U.S.A.

Field trip to Chicago, U.S.A

Academic Experience

2012-present	Professor , Architecture Department, Higher Institute for Engineering, Shorouk Academy, Cairo, Egypt
2001-2014	Visiting Professor at the Architecture Departments of the Modern Academy for Engineering and Technology and the Higher Institute of Engineering in Obour
1993-2014	External Member of the Graduation Project Jury at the Architecture Departments of the following institutions: <ul style="list-style-type: none">- <i>Modern Academy for Engineering and Technology</i>- <i>Higher Institute of Engineering in Obour</i>- <i>Higher Institute of Engineering in 15th of May</i>- <i>Faculty of Engineering, Ain Shams University</i>- <i>Faculty of Fine Arts, Alexandria University</i>- <i>Arab Academy for Science, Technology and Maritime Transport</i>- <i>Thebes Academy</i>
2000-2012	Professor and Founding Chair , Architecture Department, Higher Institute for Engineering, Shorouk Academy, Cairo, Egypt
1993-2000	Lecturer (1993-1998) then Associate Professor (1998-2000), Architecture Department, Faculty of Engineering (Mataria), Helwan University
1987-1993	Assistant Lecturer , Architecture Department, Faculty of Engineering (Mataria), Helwan University
1979-1987	Teaching Assistant (1979-1986) then Assistant Lecturer (1986-1987), Architecture Department, Faculty of Engineering, Minia University

Taught Courses

Taught courses over the period 1979-2014:

1. Architectural design for all years, and graduation project for seniors.
2. Working drawings for all years.
3. Building economics for all years.

4. Building technology and prefabs for all years.

Professional Experience

- 1978-present **Architectural Engineering Consultant** to several public and private entities, including:
- *His Highness Sheikh Saqr bin Sultan Al Qasimi (at peace)*
 - *His Highness Sheikh Sultan bin Saqr Al Qasimi (at peace)*
 - *Egyptian Reinsurance Company*
 - *Ganzouri Specialized Hospital*
 - *Engineering Projects Department, Helwan University*
 - *Police Officers Club Rowing*
 - *Oussama F. Najjar (Nesmal Yatırım Holding A.Ş.)*
 - *General Organization for Physical Planning (GOPP) (registered as consulting engineer for architectural design by the decision 2004/44)*
 - *Higher Institute for Engineering, Shorouk Academy*
 - *Misr Academy of Engineering and Technology (Mansoura)*
- Responsibilities include preparation of pre-design and feasibility studies, schematic design, design development, interior design, construction documents, and implementation supervision (*See List of Projects and Buildings*).
- 2003-present **Expert (Category I)** at the Arab Administrative Development Organization (ARADO), League of Arab States (Egypt): providing courses and training programs for senior leaders (in the fields of management of cities and metropolitan areas, environment and sustainability, etc. – the case of Cairo)
- Expert (Category I)** at the Housing and Building National Research Center (Egypt): delivering courses and training programs for senior management (courses addressing the problems of the cities: slums, informal settlements, overcrowding, etc. – the case of Cairo)
- 1999-2011 **Technical Advisor** and Member of the Standing Committee to validate Valuation Procedures and Rules used for the Reengineering and Merger of some Public Sector Companies (Ministerial decisions no. 199 of 1999 and no. 217 of 2004).
- 2010 **Project Manager** of the Action "European Awards ... Egyptian Creativity – Literature, Cinema, Art and Architecture" funded by the European Union and implemented by Dayra Foundation for Culture and Arts. Activities included the organization of four workshops (in cooperation with the American University in Cairo and Bibliotheca Alexandrina) as well as the production of an illustrated publication and a documentary film.
- 2008 **Technical Manager** of the Research "Definition of Institutional and Administrative Conditions & Impacts Related to Transfer of Responsibilities, Authorities and Budgets of Ministry of Housing, Utilities and Urban Development to the LAUs in Egypt: Detailed

- Study on Water/Wastewater Sector" financed by USAID-Egyptian Decentralization Initiative and implemented by the Housing and Building National Research Center.
- 2007-2008 **Technical Manager** of the team from Shorouk Academy working on the TEMPUS project: Advanced Curriculum on Energy Efficiency and Renewable Energy in Buildings, developed and implemented in partnership with New Castle University, UK, and the Lund University, Sweden, Royal Institute of Technology, Sweden and Cairo University, Egypt to deliver postgraduate degrees – diploma and masters – in energy efficiency and renewable energy in buildings.
- 2007 **Project Manager** of the Action "Cairo's Belle Epoque: Architectural Patterns" funded by the European Union and implemented by Dayra Foundation for Culture and Arts. Activities included the organization of four workshops (in cooperation with the British Council, the Housing and Building National Research Center and Bibliotheca Alexandrina) as well as the production of an illustrated publication and a documentary film.
- 1987-1988 **Member** of the Joint Research Team (Cairo University/MIT) to develop factories for prefabricated buildings
- 1980-1985 **Architect**, Parsons Brinkerhoff - Sabbour Associates
Participated in the design and development of the following projects:
- *Building of the General Security in Sadat City*
 - *Cultural Center in Sadat City*
 - *Fire Station in Sadat City*
 - *Transportation Services Building in Sadat City*
- 1978-1982 and 1983-1985 **Architect**, Inter-Consult - Prof. Aly Raafat
Participated in the design and development of the following projects:
- (a) *Extension of the League of Arab States headquarters in Cairo (project cost: LE 25 million, 1980)*
- (b) *Investment Complexes and Multi-use Buildings (project costs varying between LE 10 million to LE 25 million, 1979-1985):*
- *Maadi Plaza, Maadi, Cairo*
 - *Heliopolis Tower, Heliopolis, Cairo*
 - *Police Tower, Qism Sharq, Port Said*
 - *Police Tower, Shubra El-Kheima, Greater Cairo*
 - *Police Tower, Agouza, Greater Cairo*
 - *SECON's Taif Tower, Alexandria*
 - *SECON's Gezira Tower, Zamalek*
 - *Annex building for workers at Hilton Luxor*
 - *Vacation home development, Fayed, Ismailia*
 - *Private residence of H.E. Dr. Mane' Saeed Al Otaiba, Cairo*

- Schematic design for the proposed extension of Maadi Sporting Club and Yacht, Cairo
- Schematic design for Nile Country Club, Helwan
- Sadat Academy for Management Sciences, Port Said
- Sadat Academy for Management Sciences, Ramses, Cairo

(c) Hadayek El Ahram Subdivision (approx. 5000 plots, project cost: LE 90 million)

(d) Embassies:

- Consulate of Egypt in Kuwait
- Embassy of Egypt in Pakistan
- Embassy of Egypt in Australia

Also a member of the team awarded the third prize at the international competition for the design of Le Méridien Hotel in Alexandria.

1979-1980 **Main Researcher Assistant**, Prof. Ahmed Kamal Labib Consulting Center

Publications and Researches

a) Book:

April 2014 Contribution to ***Cairo Living History***, a publication of the National Council for Women (NCW) in cooperation from the Association of International Civil Servants (AFICS) in Egypt, conceived for the UN-Habitat World Urban Forum 7 (WUF7), Medellin, Colombia, 2014,

b) Scientific Papers:

November 2018 **Mechanisms of applying sustainable requirements to the operating and maintenance systems of the building.**

The 16th international conference on operation and maintenance in Arab countries. Egyptian center for strategic studies and research in November, 2018, Cairo, Egypt.

January 2018 **Egyptian strategy report.**

Egyptian economist vision and achievement of the youth of tomorrow. Egyptian center for strategic studies and research in January, 2018, Cairo, Egypt.

November 2017 **The 15th international conference on operation and maintenance in Arab countries under the slogan "Smart maintenance accompanies the 15th Arab maintenance exhibition".**

Smart system for operation and maintenance of sustainable green buildings (Smart residential building technologies). Arab institute for operation and maintenance, November 2017, Beirut, Lebanon

October 2017 **First Arab Conference for Restoration and Reconstruction, 9-10-11 July 2009.**

- The use of documentation techniques developed to record the previous state of urbanization before the urban destruction. (Documentation of heritage areas and valuable buildings)**
- July 2009 **A Proposed Framework for the Comprehensive Maintenance of Built Environment as an Approach to Sustainable Development. *Mechanisms for Maintenance of Buildings and Facilities as an Approach to Rationalize the Construction Industry.*** In the Eighth Operations and Maintenance Forum in the Arab countries, 6-9 July 2009, Beirut, Lebanon
- October 2008 **Maintenance of Buildings: Philosophy, Notion and Goals. *The case of Egypt.*** In the Seventh Operations and Maintenance Forum in the Arab countries, 26-29 October 2008, Riyadh, Saudi Arabia
- April 2006 **In Developing the Architectural Education: Relation between Architectural Design Limitations and Social Environment. *A Case Study from the State Higher Education Sector, Egypt. Dwelling and Surrounding District Characteristics.*** Journal of Al-Azhar University Engineering Sector (JAUES), Volume 9, Part II, Faculty of Engineering, Al-Azhar University, April 2006.
- December 2005 **In Developing the Architectural Education: Relation between Architectural Design Limitations and Social Environment. *A Case Study from the State Higher Education Sector, Egypt. Family Characteristics.*** Engineering Research Journal, Helwan University, Faculty of Engineering, Vol. 102, December 2005
- December 2005 **In Developing the Architectural Education: Relation between Architectural Design Limitations and Pre-University Education Environment. *A Case Study from the State Higher Education Sector, Egypt. Characteristics of Secondary Study.*** Engineering Research Journal, Helwan University, Faculty of Engineering, Vol. 102, December 2005
- December 2005 **In Developing the Architectural Education: Relation between Architectural Design Limitations and Pre-University Educational Environment. *A Case Study from the State Higher Education Sector, Egypt. Parallel Education.*** Engineering Research Journal, Helwan University, Faculty of Engineering, Vol. 102, December 2005
- February 2005 **Approach to the Development of Architectural Education in Egypt.** In the Second International Scientific Conference, Globalization and beyond, organized by the Department of Architecture, Faculty of Engineering, Cairo University, 22-24 February 2005, Cairo, Egypt
- January 2005 **Observing the Determinants of the Development of Mechanisms for Implementing the Strategic Plan for the Development of the Northwest Coast of Egypt.** Journal of Al-Azhar University Engineering Sector (JAUES), Faculty of Engineering, Al-Azhar University (accepted for publication on 26 January 2005)

- January 2005 **A Comparative Study on the Extent of Correlation between the Visual Studies Course and Architectural Creativity. A Case Study from the Private Higher Education Sector in Egypt.** *Journal of Al-Azhar University Engineering Sector (JAUES), Faculty of Engineering, Al-Azhar University (accepted for publication on 26 January 2005)*
- March 2003 **In Developing the Architectural Education: the Influence of the Preparatory Year Courses on Architectural Creativity. A Case Study from the Private Higher Education Sector in Egypt.** In the UIA Architectural Education Commission 1st International Conference, Architectural Education for the New Millennium: Issues, Innovations and Traditions, 8-10 March 2003, Bibliotheca Alexandrina, Alexandria, Egypt
- December 2002 **In Developing the Architectural Education: Architectural Design Limitations and Student Personal Traits.** *Engineering Research Journal, Helwan University, Faculty of Engineering, December 2002, Vol. 84, pp. 316-329.*
- December 2001 **In Developing the Architectural Education: Architectural Design Limitations and University Education Environment.** *Engineering Research Journal, Helwan University, Faculty of Engineering, December 2001, Vol. 74.*
- June 1998 **Facing the Fire Disasters in Egyptian Villages. A Study of the Household and Housing Characteristics of a Village in the Delta of Egypt.** In the Fifth International Conference of Building and Construction, Interbuild 98, Cairo, Egypt
- May 1998 **Contemporary Evolution of Social Relations within the Residential District. A Case Study from Egypt.** In the Conference of Arab Architecture in the Past, Present and Future, Union of Arab Scientific Research Councils, May 1998, Dhamar University, Yemen
- 1997 **The Effect of Privacy on the Architectural Design in the Past and the Present.** *Journal of Architecture and Planning, Faculty of Engineering, Al Azhar University.*
- 1987-1988 Research to develop factories for prefabricated buildings as part of the Joint Research Team on Housing and Construction Industry (Cairo University/Massachusetts Institute of Technology)
- 1983-1985 Studies for Hadayek El Ahram Subdivision (approx. 5000 plots and public service buildings) in Historic Context, Inter-Consult - Prof. Aly Raafat.
- 1980-1981 Studies for the design of public buildings in Sadat City, Parsons Brinkerhoff - Sabbour Associates, for the benefit of Ministry of Housing, Egypt
- 1979-1980 Research and studies on the use of non-traditional materials in the production of light assemblable building blocks to construct various housing units (models of these units were produced with Scandinavian experience through the Nile Match and

c) Rese
arche
s:

Prefabricated Houses Company, Egypt), Prof. Ahmed Kamal Labib Consulting Center

Research Supervision

a) Supervisor of the following Ph.D. Dissertations:

- May 2010 Mohammed Attia, Invigorating the Role of Value Engineering Course to Raise the Efficiency of Structures, Ph.D. Dissertation, Architecture Department, Faculty of Engineering (Mataria), Helwan University
- January 2008 Manal Yehia Tawfiq, An Approach to the Development of Architectural Education Curriculum in light of the Requirements of Architectural Employment, Ph.D. Dissertation, Architecture Department, Faculty of Engineering, Cairo University

b) Supervisor of the following Master of Science Thesis:

- January 2010 Rania Gamal Ahmed Abdelmawgood, Application of the Essentials and Principles of Green Architecture as one of the Practical Solutions to Address the Concept of Vertical Architecture: A Special Mention for the Vertical Direction in Landscaping, M.Sc. Thesis, Architecture Department, Faculty of Engineering, Cairo University

Projects and Buildings

Pre-Design and Feasibility Studies:

Feasibility studies and technical review for some projects in Saudi Arabia in collaboration with the office of Oussama F. Najjar, Board Member of Nesmal Yatırım Holding A.Ş.

Pre-Design Studies and Schematic Design:

Owner: *National Center for Judicial Studies, Abbasia, Ministry of Justice*

- *Specialized Museum at the Center and related services*
- *Cafeteria and kitchen and all ancillary services*
- *Administrative offices and supporting services for the extension*
- *Main conference hall (Abdelaziz Fahmy Hall)*

Schematic Design:

Owner: *Helmy Abdelraouf and Sons, Nubariya*

- *Agricultural Industrial Complex and its ancillary services*

Owner: *Egyptian Reinsurance Company, Garden City, Cairo*

- *Extension of the company's main building*

Owner: *Care Service, Nasr City, Cairo*

- *Extension of the company's main building*

Pre-Design Studies, Schematic Design, Design Development and Construction Documents:

Owner: Eng. Nagy Abd Rab Alnabi and Partners

Integrated development consisting of 4 apartment buildings and a villa, Mokattam (project cost: LE 12 million)

Owner: Eng. Ahmed Mukhtar and Partners

Two apartment buildings, Maadi (total cost: LE 3,400,000)

Owner: Eng. Nabil Hegazy and Partners

A group of buildings, an-Nukrashi, Agami, North Coast (total cost: LE 20 million)

Owner: Major-General Dr. Hamdy Abdelaziz

Redesigning and raising two apartment buildings, Maadi, Cairo (total cost: LE 1,200,000)

Owner: Helwan University

Student Services Building (Cafeteria, Library, Stationery, etc.) (project cost: LE 16,000,000) - in collaboration with others

Owner: Helwan University

Swimming Pool and associated Bathhouse (project cost: LE 33,000,000)

Interior Design:

- Palace of His Highness Sheikh Saqr bin Sultan Al Qasimi, Cairo
- Palace of Mr. Nasser Eid, Mokattam
- Villa of the Lady of H.E. Sheikh Abdul Rahman Al-Ateeqi, Maadi
- Palace of His Highness Sheikh Sultan bin Saqr Al Qasimi, Cairo
- Residence of His Highness Sheikh Sultan bin Saqr Al Qasimi, Alexandria
- Private residence of Eng. Magdy Abdelraouf
- Private residence of Eng. Nagy Abd Rab Alnabi
- Villa of Eng. Ahmed Eid, El Kanater El Khairia
- Al-Gamal Pharmacy owned by Dr. Gamal Al-Gamal, Maadi
- Upgrading of U.S. Embassy Employees Service Building, American Employees Cooperative and Welfare Association (AECWA), Maadi

Interior Design and Implementation Supervision:

- *Private residence of Major-General Dr. Hamdy Abdelaziz*
- *Abdelaziz El-Sallab Ceramic Tiles Showroom, El Nozha El Gadida, Heliopolis, Cairo*

Architectural Design:

Residential and Investment Buildings:

- *Villa of Prof. Dr. Amin Mubarak, Shorouk City*
- *Villa of Prof. Dr. Albeyali Ibrahim, Shorouk City*
- *Villa of Major-General Ali Mubarak, Shorouk City*
- *Villa of Major-General Ahmed Kheshk, Shorouk City*
- *Apartment Building owned by Mr. Ali Fouda, Shorouk City*
- *Villa of Eng. Mahmoud Hussein Salem, Shorouk City*
- *Two investment buildings and a villa located in Vienna in collaboration with an engineering consultancy in Vienna, Austria*
- *Participation in the design of the Palace of His Highness Sheikh Sultan bin Saqr Al Qasimi, Umm al-Quwain, United Arab Emirates*

Educational Buildings:

- *Buildings of Misr Academy of Engineering and Technology in Mansoura (capacity: 10,000 students)*
- *Building (D) at the Higher Institute for Engineering, Shorouk Academy (capacity: 2,500 students)*
- *Building (E) at the Higher Institute for Engineering, Shorouk Academy (capacity: 3,000 students)*
- *Building (F) at the Higher Institute for Engineering, Shorouk Academy (capacity: 2,000 students)*
- *Building of the International Media Institute, Shorouk Academy (capacity: 5,000 students)*

Design and Implementation Supervision:

Upgrading of Ganzouri Hospital (entrances, reception, outpatient clinics, and dental department)

Awards and Certificates

- *Third Prize for the design of the Conference Hall at the General Union of Students, Ministry of Education, Egypt (in collaboration with others)*
- *Certificate of Excellence awarded from Shorouk Academy (2004) for the notable efforts and great success as the Founding Chair of Architecture Department*

- **Certificate of Recognition** awarded for the recognition of the unusual cooperation and invaluable contribution towards the organisation of 1st International Conference on Clinical Engineering (ICCE 2003), Safety in Hospital Environment, 17-19 February 2003, Cairo, Egypt
- **Certificate of Recognition** from Computer Engineering and Computer Science (CECS) Department, J.B. Speed School of Engineering, University of Louisville for six months of researches on Computer Applications in Urban Planning and Architecture (March 1999 – August 1999)
- **InterBuild Certificate** awarded for the recognition of active participation in the 5th International Exhibition for Building and Construction in Cairo, 18-22 June 1998

Membership

Membership of professional bodies, scientific associations and voluntary organizations:

- Board Member of the Egyptian Society for Urban Planning (Membership no. 275)
- Member of the Society of Egyptian Engineers (Membership no. 3750)
- Member of the Egyptian Engineers Association (Membership no. 2/4240; Consulting Engineer no. 2/865 since 1996)
- Member of the Society of Egyptian Architects (Membership no. 1/756)
- Member of the Federation of Arab Engineers (Membership no. 16/160301)
- Board Member of the Society of Friends of Egyptian Scholars Abroad
- Associate Member of the Association of Egyptian – American Scholars (Membership no. 546/A99)
- Lions Clubs International: Former Chairman of Giza Golden Club and Founding Chairman of Masr El Mahrousa Club

Languages

Arabic: Mother tongue.

English: Fluent.

Personal Information

Date of Birth: February 6th, 1956
Place of Birth: Maadi, Cairo, Egypt
Nationality: Egyptian
Marital Status: Married