

Basic Information :

Name :	Samir Sadek Hosny
Title :	Professor of Architecture & Design Computing in Architecture



Professor Hosny is the Chairman of the Department of Architectural Engineering at Future University in New Cairo; he is also Professor of Architecture and CAAD at the Department of Architecture at Ain Shams University, Cairo, Egypt.

From Ain Shams University; Prof. Hosny received his B.Sc. degree in 1977 and his M.Sc. in 1985. His M.Sc. thesis addressing the architectural trends in Egypt during the period of the Nineteenth Century and the first half of the Twentieth Century is referenced in many M.Sc. and Ph.D. theses by researchers from different parts of the world. In 1990, Prof. Hosny earned his Ph.D. degree in Architectural Design Computing after a three-year period as a visiting scholar to Penn State University, Pennsylvania in the USA. In 1997, Dr. Hosny became an Associate Professor in the Department of Architecture at Ain Shams University, then, in 2004 he earned his Professorship in Architecture and Architectural Computing.

Prof. Hosny's expertise includes: Architectural Computing in practice and education, Shape Grammars, Computer Design Generation, Expert Systems in Architecture and Urban Planning, Virtual Reality and Augmented Reality in Design and Education, Architectural Education, Design Methods, Tourist Studies, Decision Support Systems, CMCD; Computer Mediated Collaborative Design, Virtual Design Studios, and Sustainable Architecture. Prof. Hosny was the director of the first Egyptian Virtual Design Studio to be conducted in Egypt in 2003 with four other Architectural Schools from London (Liverpool School of Design), Alsharja (The American University in Alsharja), Turkey (The Middle East Technical School) and Mexico (The University of Mexico).

Prof. Hosny has published more than 50 refereed journal and conference papers. He has also supervised more than 50 M.Sc. theses and 20 Ph.D.s in Egypt, USA and Hungary. In addition to being an external examiner in several Ph.D. qualifying exams as well as examining several M.Sc., Ph.D. theses and conference and journal papers for different universities.

Also, Prof. Hosny has a substantial design experience in the Design and Building Construction industry and contributed in designing major architectural and urban projects in Egypt, Saudi Arabia, Syria and Libya. He has also held several academic and administrative positions since 1977 at Ain Shams University, Suez Canal University, Misr International University (MIU), and Future University in Egypt (FUE), which ranged from a demonstrator or a Teaching Assistant to the Acting Dean of Engineering at MIU. Since 2007, Prof. Hosny has joined Future University in Egypt (FUE) and currently he is the chairman of the Department of Architectural Engineering at the Faculty of Engineering and Technology at FUE.

During 2013, he has also won FUE's award for "Promoting Professor Student relationship".

His students have won several National and International architectural competitions. Lots of his graduate students hold distinctive positions in well reputable architectural firms in Egypt as well as abroad. Prof. Hosny can be contacted at:

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Or by phone at: 16383 or 16FUE ext. #: 1409

Education :

Certificate	Major	University	Year
PhD	Architecture Engineering	Ain Shams University - Faculty Of Engineering	1991
Masters	Architecture Engineering	Ain Shams - Egypt	1986
Bachelor	Architecture Engineering	Ain Shams - Egypt	1977

Teaching Experience :

Name Of Organization	Position	From Date	To Date
إدارة داخلية لقسم الهندسة المعمارية، كلية الهندسة والتكنولوجيا، جامعة المستقبل	أستاذ العمارة ورئيس قسم الهندسة المعمارية	01/01/2007	01/01/2018

جامعة عين شمس	أستاذ العمارة - كلية الهندسة	01/01/2004	01/01/2018
إعارة لجامعة مصر الدولية	قائم بأعمال عميد كلية الهندسة	01/01/2003	01/01/2007
قسم العمارة بكلية الهندسة - جامعة عين شمس	مدير الوحدة الخاصة لخدمة المجتمع والبيئة - وحدة التصميمات والبحوث والدراسات المعمارية	01/01/1997	01/01/2003
قسم العمارة بكلية الهندسة - جامعة عين شمس	نائب مدير الوحدة الخاصة لخدمة المجتمع والبيئة - وحدة التصميمات والبحوث والدراسات المعمارية	01/01/1995	01/01/1997
جامعة عين شمس	الإشراف على الإدارة الهندسية والمباني الجامعية	01/01/1994	01/01/1995

Research :

Published more than 60 publications in National and International well reputable scientific journals and Conferences.

A Translation Methodology in Hyper-Architecture

Reasoning in ARC-ES: An Architectural Expert System for Buildings Design

Shape Grammars: Style Generators in CAAD

BUILD-EX:A Knowledge-Based Expert System for Crack Diagnosis

On Visualizing Sounds: New Tools to Support Creativity in Virtual Architectural Design

Integrating Intelligent Mixed Reality in Architectural Education: "A Theoretical Model"

Using Computer-Mediated Communication and Collaboration in Architectural Design Education: Investigating the Virtual Class

Impact of Climatic Conditions on the Thermal Comfort of Six Egyptian Climatic Design Regions

A Review on the Application of Evolutionary Algorithms to Building Design Optimization;

A Model for Architectural Computing Design Based on Analogies from Human Life

A knowledge Based Approach for Creative Design Activities

Blocking of Design Among students of Architecture, Investigations on Conceptual Design

PLATO: A Planning Tool for Decision Making

Towards a Comprehensive Strategy for CAAD Education

Computer-Based Models of Information in Urban Planning: Investigations and Directions

ARC-ES: A Prototype of an Integrated Architectural Expert System for Building Design

Conference :

Published more than 60 publications in National and International well reputable scientific journals and Conferences.

Thesis :

Modern Movement of Architecture in Egypt "Influences and Trends" - During the Periods of the 19th Century and the First Half of the 20th Century

Computer-Aided Architectural Design Techniques

Awards :

Award	Donor	Date
FUE's Award for Outstanding Services for the Academic Year 2016/2017	FUE - Announced at the Opera House	01/01/2017

FUE's Award: Promoting Professor-Student Relationship for the academic Year 2012/2013	FUE - Announced at the Opera House	01/01/2013
Peace Fellowship for Data Collection for the Ph.D.	Penn State University, Pennsylvania, USA	01/01/1988
Scholarship for PhD - USA	Penn State University, Pennsylvania, USA	01/01/1988