

SHERIF M ABDELMOHSEN

PhD (Georgia Tech), MSc, BSc (Honors)

VISITING ASSISTANT PROFESSOR OF DIGITAL MEDIA & DESIGN COMPUTING The American University in Cairo (AUC)

ASSISTANT PROFESSOR

Department of Architecture, Ain Shams University, Cairo, Egypt

Founder, KRAFT|Studio



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<http://www.aucegypt.edu/fac/Profiles/Pages/SherifAbdelmohsen.aspx>

EDUCATION

PhD in Architecture (2011)

School of Architecture, Georgia Institute of Technology, Atlanta, GA, USA

PhD Thesis: An Ethnographically Informed Analysis of Design Intent Communication in BIM-Enabled Architectural Practice

Recipient of Faculty Award of Merit for Best Doctoral Presentation (2010/2011)

MSc in Architecture (2004)

Department of Architecture, Ain Shams University, Cairo, Egypt

MSc Thesis: Towards a Conceptual Framework for Implementing Intelligent Mixed Reality in Architectural Education

BSc in Architecture (2000) (Honors)

Department of Architecture, Ain Shams University, Cairo, Egypt

BSc Graduation Project: Touristic Cultural Complex at Cairo Northern Wall

POSITION

Visiting Assistant Professor (09/2014 - Present)

Assistant Professor of Digital Media and Design Computing in Architecture Department of Construction and Architectural Engineering, School of Sciences and Engineering, the American University in Cairo, Egypt

Assistant Professor (09/2011 - Present) [On leave since 09/2014]

Department of Architecture, Ain Shams University, Cairo, Egypt

Founder (06/2013 - Present)

KRAFT|Studio (Studio for Kinematic, Robotic, Architectonic and Fabrication Technologies), Cairo, Egypt

EMPLOYMENT

September 2014 - Present

Department of Construction and Architectural Engineering, the American University in Cairo (AUC), Cairo, Egypt

Visiting Assistant Professor

August 2012 – May 2014

Department of Construction and Architectural Engineering, the American University in Cairo (AUC), Cairo, Egypt

Adjunct Faculty

January 2013 – September 2014

FEDA CORELAB (Faculty of Engineering Department of Architecture, Consultancy for Research Laboratory), Ain Shams University, Cairo, Egypt

Research Manager

September 2012 – January 2013

Arab Academy for Science and Technology, Cairo, Egypt

Part time lecturer

September 2011 – January 2012

Department of Architecture, British University in Egypt (BUE), Cairo, Egypt

Part time lecturer

September 2011 – January 2013, October 2014 – Present

Department of Architecture, Future University in Egypt (FUE), Cairo, Egypt

Part time lecturer

August 2010 – May 2011

School of Architecture, Georgia Institute of Technology, Atlanta, GA, USA

Teaching Assistant, Common First Year

June 2007 – September 2010

AEC Integration Laboratory (Prof. Charles Eastman), Atlanta, GA, USA

Researcher and Member of Georgia Tech Design Computing team

July 2004 – September 2004

Consultant Office (Cube Consultants), Cairo, Egypt Architect

March 2004 – January 2005

Consultant Office (Prof. Yasser Mansour), Cairo, Egypt

Architect

January 2004 – April 2004

Consultant Office (Maged Fahmy, Emad Aziz), Cairo, Egypt

Architect

October 2003 – May 2005, September 2012 – Present

Arab Academy for Science and Technology, Cairo, Egypt

Teaching Assistant, Part time lecturer

Instructor to student ratio 1: 7

March 2001 – May 2001

YAT Computer Center, Cairo, Egypt

AutoCAD Instructor Instructor
to student ratio 1: 4

October 2000 – August 2005

Department of Architecture, Ain Shams University, Cairo, Egypt

Teaching Assistant, Assistant Lecturer Instructor
to student ratio 1: 40

August 2000 – October 2000

Center for Developing Historic Cairo, Citadel, Cairo, Egypt

Architect

July 1998 – September 1998

Al-Shehab Computer Center, Cairo, Egypt

AutoCAD Instructor

October 1996 – August 2005

Consultant Office (Prof. Dr. Morad Abdelkader)

Architect

June 1990 – August 1992

French 'Press Clearing' Company (Middle East branch), Cairo, Egypt

Junior surveyor of Middle East Press (*Arabic, English and French press section*)

COMPUTER SKILLS

CAD and Visualization

AutoCAD, SketchUp, 3DStudioMAX, Adobe Photoshop

Generative design and digital fabrication Rhino,
Grasshopper, Alphacam

Building Information Modeling

Autodesk Revit, Digital Project, Solibri Model Checker

Programming

Python, Processing, Java

TEACHING EXPERIENCE

AS ASSISTANT PROFESSOR

(2011 – Present)

Department of Architecture, Ain Shams University, Cairo, Egypt

ARC 212 Architectural Design (2)

ARC 221 Theories of Architecture (2)

ARC 341 Computer Applications in Architecture (2)

ARC 351 Working Drawings (1) ARC

451 Working Drawings (2)

ARC 504 Computer Applications in Architecture

Department of Construction and Architectural Engineering, the American University in Cairo (AUC), Egypt

AENG 473 Digital Design Studio and Workshop

AENG 455 Architectural Design Studio V (Digital Design)
AENG 456 Architectural Design Studio VI (Contextual Design)
AENG 491 Senior Project II

Department of Architecture, British University in Egypt (BUE), Cairo, Egypt

Architectural Design (4)
Working Drawings (2)

Department of Architecture, Future University in Egypt (FUE), Cairo, Egypt

UNV E09 Specific Computer Applications
ARC 231 Graphics and Visual Skills (2)
ARC 322 History and Theories (4)
ARC E10 Advanced Computer Applications in Architecture

Department of Architecture, Arab Academy for Science and Technology and Maritime Transport (AASTMT), Cairo, Egypt AR

428 Computer Applications in Architecture
AR 414 Architectural Design (4)

AS TEACHING ASSISTANT
(2000 – 2011)

School of Architecture, Georgia Institute of Technology, USA COA

1012 Fundamentals - Design and the Built Environment II COA 1060
Introduction - Design and the Built Environment

Department of Architecture, Arab Academy for Science and Technology and Maritime Transport, Cairo (AASTMT), Egypt AR

414 Architectural Design IV
Building Construction I

Department of Architecture, Ain Shams University, Cairo, Egypt

ARC 111 Building Construction (1)
ARC 150 Free Hand Drawing
ARC 151 Visual Design
ARC 161 Sciagraphy and Perspective
ARC 202 Architectural Design (2)
ARC 241 Computer Applications (1)
ARC 271 Computers in Architecture
ARC 311 Architectural Design (3) ARC
351 Working Drawings (1)
ARC 499 Graduation Project

WORK AND PROJECTS

KRAFT | Studio

- Winter Stations Competition Entry, Toronto, Canada
- New Connection Office Building (NCOB), Fifth Settlement, Cairo, Egypt (BIM Consultancy and Management)
- Parametric "Mafroka" installation, Cairo, Egypt (Winning Design + Industry competition entry)
- Parametric "Diamond" installation, Cairo, Egypt
- Next7 Competition Entry, Arch2O, Cairo, Egypt

FEDA CoReLAB (Project Management Unit), Faculty of Engineering, Ain Shams University

- Egypt-Japan University for Science and Technology (E-JUST) New Campus Project, Borg El-Arab, Egypt (Project Management)

Cube Consultants

- Hotel in AlMadina AlMunawarah, Saudi Arabia

YMCA Consultants

- Frankfurt Bookfair – Arab World Guest of Honor, Frankfurt, Germany Forum Hall, Exterior Tent, Theatre, and Interior Halls Design
- Egyptian Pavilion in Frankfurt Bookfair, Frankfurt, Germany
- Arab Pavilion in Frankfurt Bookfair, Frankfurt, Germany
- Cairo International Bookfair Interior Design Proposal, Cairo, Egypt
- Nasr City Fairground Design Development, Cairo, Egypt

Consultant Office (Maged Fahmy, Emad Aziz)

- Baghdadiyah Residential Complex, Saudi Arabia
- A number of private villas, Saudi Arabia

Consultant Office (Prof. Morad AbdelKader)

- San El-Hagar Museum, Sharkeya Governorate, Egypt
- Development of North Gamaleya Project, Cairo, Egypt
- Touristic Resort, Hurghada, Egypt
- Horus Residential and Commercial Complex, Giza, Egypt
- Fardos Gardens, El-Zohor Grouping, El-Wahat Road, Egypt
- Villa El-Refaie, Sabry, Saleh, Hisham, Shehata and Yassin, Cairo, Egypt

Center for Developing Historic Cairo, Citadel

- Development of North Gamaleya sector, Cairo, Egypt

COMPETITIONS

Next7 | Arch2O Competition, 2014

Design Team: KRAFT | Studio (Founder: Sherif Abdelmohsen)

Design + Industry Competition, Egyptian Furniture Export Council, Cairo, Egypt, 2013 (Winning Entry, FURNEX Exhibition)

Design Team: KRAFT | Studio (Founder: Sherif Abdelmohsen)

Residential Commercial Complex, Al-Madina, Saudi Arabia, 2001 Design Team: Hany Abdullah, Sherif Abdelmohsen

Office Building Complex, 6th of October City, Egypt, 2001

Design Team: Mohammad Gabr, Tamer El-Khouly, Waleed Hosny, Sherif Abdelmohsen

Pharmaceuticals' Syndicate Club, Giza, Egypt, 2001

Design Team: Mohammad Gabr, Tamer El-Khouly, Waleed Hosny, Sherif Abdelmohsen

Building for Bouwkunde Ideas Competition (Design of the Faculty of Architecture Campus, University of Delft, Netherlands), 2008 Design Team: Tamer El-Khouly, Sherif Abdelmohsen

Graphics Poster for CurrentCE company (Honorary Prize) Designer: Sherif Abdelmohsen

RESEARCH INTERESTS

- Building Information Modeling (BIM) and pre-occupancy evaluation
- Design rule checking and automated building review systems
- Generative, parametric and algorithmic design, and digital fabrication
- Ambient Intelligence, physical computing and tangible interfaces
- Interactive architecture and responsive systems in the built environment
- Sketch understanding, problem solving, and analyzing design activity
- Qualitative methods in design research

PUBLICATIONS

2014

Abdelmohsen, S. (2014), An Inquiry into Designing in Context using Generative Systems, accepted for publication in the International Journal of Architectural Computing (IJAC), Vol. 12, No. 4.

Abdelmohsen, S. (2014), A BIM-based Framework for Assessing Architectural Competition Entries, in E.M. Thompson (ed.), *Fusion*, proceedings of the 32nd Education and Research in Computer Aided Architectural Design in Europe International Conference (eCAADe 2014), Department of Architecture and Built Environment, Newcastle upon Tyne, UK, Volume 2, pp. 473-483.

Abdelmohsen, S. (2014), A BIM-based Framework for Outdoor Circulation Rule Checking, in *Revista DeArquitectura*, Académico Departamento de Urbanismo,

Facultad de Arquitectura y Urbanismo, Universidad de Chile, Chile, No. 26, pp. 20-28.

2013

Abdelmohsen, S. (2013), Reconfiguring Architectural Space using Generative Design and Digital Fabrication: A Project Based Course, in proceedings of XVII Congreso de la Sociedad Iberoamericana de Grafica Digital (SIGRADI 2013), Universidad Tecnica Federico Santa Maria, Valparaiso, Chile, pp. 391-395.

Hosny, S., Elkholy, G., Abdelmohsen, S. and Mazen, M. (2013), Enhancing BIM Workflow Using the Auto-Finish Macro (AFM), *Journal of Al Azhar University Engineering Sector (JAUES)*, Vol. 8, No. 26, 214-223.

2012

Lee, J.-K., Lee, J., Jeong, Y.-S., Sheward, H., Sanguinetti, P., Abdelmohsen, S. & Eastman, C. (2012), Development of Space Database for Automated Building Design Review Systems, *Automation in Construction*, Vol. 24, 203-212, <http://dx.doi.org/10.1016/j.autcon.2012.03.002>.

Abdelmohsen, S. (2012), Communication of Design Intent in BIM-Enabled Architectural Practice: An Ethnographically Informed Analysis, Lambert Academic Publishing (LAP) GmbH & Co. KG, Saarbrücken, Germany, ISBN: 978-3-8473-7859-4.

Sanguinetti, P., Abdelmohsen, S., Lee, J.M., Lee, J.K., Sheward, H. & Eastman, C. (2012), General System Architecture for BIM: An Integrated Approach for Design and Analysis, *Advanced Engineering Informatics*, Vol. 26, Issue 2, 317-333, <http://dx.doi.org/10.1016/j.aei.2011.12.001>.

Abdelmohsen, S. (2012), Genres of Communication Interfaces in BIM-Enabled Architectural Practice, in proceedings of the 6th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2012), College of Architectural Engineering and Design, The Kingdom University, Manama, Bahrain, pp. 81-91.

2011

Abdelmohsen, S., Lee, J.-K. & Eastman, C. (2011), Automated Cost Analysis of Concept Design BIM Models, in P. Leclercq, A. Heylighen, and G. Martin (eds.), *Designing Together: CAAD Futures 2011*, PUL, pp. 403-418.

2009

Abdelmohsen, S. & El-Khouly, T. (2009), Representing Reflective Practice in a Remote Design Collaboration Process, in digital proceedings of the 3rd Conference of the International Association of Societies of Design Research (IASDR 2009), COEX, Seoul, Korea, pp. 1317 - 1326.

Abdelmohsen, S. & Do, E. (2009), Analyzing the Significance of Problem Solving Expertise and Computational Tool Proficiency in Design Ideation, in T. Tidafi and T. Dorta (eds.), *Joining Languages, Cultures and Visions: CAAD Futures 2009*, PUM, pp. 273 - 287.

Eastman, C., Lee, J.-K., Sheward, H., Sanguinetti, P., Jeong, Y.-S., Lee, J. & Abdelmohsen, S. (2009), Automated Assessment of Early Concept Designs, in *Architectural Design*, Vol. 79 No. 2: 52-57, DOI: 10.1002/ad.851.

2008

Abdelmohsen, S. & Do, E. (2008), Energy Puppet: An Ambient Awareness Interface for Home Energy Consumption, in digital proceedings of the 7th *International Workshop on Social Intelligence Design (SID 2008)*, School of Architecture, Universidad de Puerto Rico, San Juan, Puerto Rico.

Abdelmohsen, S. (2008), Building Information Modeling and Architectural Practice: On the Verge of a New Culture, in proceedings of the 1st *International Conference on Critical Digital*, Harvard University Graduate School of Design, Cambridge, MA, USA, pp. 85-89.

Abdelmohsen, S., Eastman, C. et al. (2008), Making the Water Cube, in *Architecture Week online*, Article excerpted from *BIM Handbook* by Chuck Eastman et al., Copyright © 2008, with permission of the publisher, John Wiley & Sons.

Abdelmohsen, S. (2008), Beijing National Aquatics Center, in C Eastman, P Teicholz, R Sacks and K Liston, *BIM Handbook: A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors*, Wiley, pp. 375 – 388.

2007

Abdelmohsen, S. & Do, E. (2007), Tracking Design Development through Decomposing Sketching Processes, in Proceedings of the *International Association of Societies of Design Research (IASDR 2007)*, Hong Kong Polytechnic University School of Design, Hong Kong.

Sanguinetti, P. & Abdelmohsen, S. (2007), On the Strategic Integration of Sketching and Parametric Modeling in Conceptual Design, in Proceedings of the 27th *Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA 2007)*, Halifax, Nova Scotia, Canada, pp. 242-249.

Abdelmohsen, S. & Do, E. (2007), TangiCAD: Tangible Interface for Manipulating Architectural 3D Models, in proceedings of the 12th *International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA 2007)*, Nanjing, China, pp. 29-36.

2004

Hosny, S. & Abdelmohsen, S. (2004), Integrating Intelligent Mixed Reality in Architectural Education: A Theoretical Model, in *Al Azhar University Engineering Journal*, Cairo, Egypt, Vol. 7 No. 3, pp. 557-568.

Abdelmohsen, S. (2004), Towards a Conceptual Framework for Implementing Intelligent Mixed Reality in Architectural Education, MSc Thesis, Ain Shams University, Cairo, Egypt.

REVIEWS

Scientific Reviews

Reviewer for *Automation in Construction* journal, since August 2013.

Reviewer for *Ain Shams Engineering Journal (ASEJ)*, since July 2014.

Reviewer for the *Arab Society for Computer Aided Architectural Design (ASCAAD 2013) Conference*, Effat University, Jeddah, Kingdom of Saudi Arabia.

Reviewer for the *Computer Aided Architectural Design Futures* (CAAD Futures 2013) Conference: CAAD Futures 2013 (Shanghai, China); CAAD Futures 2015 (Sao Paulo, Brazil).

Reviewer for the *Education and Research in Computer Aided Architectural Design in Europe* (eCAADe) Conference: eCAADe2014 (NewCastle, UK); eCAADe2013 (TU Delft, Netherlands); eCAADe2012 (Prague, Czech Republic); eCAADe2011 (Ljubljana, Slovenia); eCAADe2010 (Zurich, Switzerland).

Reviewer for the *Association for Computer Aided Design in Architecture* (ACADIA) Conference: ACADIA 2011 (Calgary/Banff, Canada); ACADIA 2010 (The Cooper Union, New York City, NY, USA).

Design Reviews and Jury

External reviewer, AENG 251/453/454/456 design studio, Department of Construction and Architectural Engineering, the American University in Cairo (AUC), Egypt (2012-2014).

External reviewer, Common First Year (CFY) design studio, School of Architecture, Georgia Institute of Technology, Atlanta, GA, USA (2010-2011).

External reviewer, design studio project, School of Architecture, Design and Planning, University of Kansas, Online Review (2010).

Jury member, RobArch (01) Kinetic Architecture Workshop and Competition, organized by Algoritm and Algorithmic Visual Lab (AVL), Cairo, Egypt (2014).

Jury member, Green and Sustainable Multi-Use Building Project, University to Work (UTW) Initiative, Engineering Consultants Group (ECG), Cairo, Egypt (2014).

RESEARCH PROJECTS

January 2013 - September 2014

Planning and Project Management of E-JUST New Campus

Research Manager and member of FEDA CoRELAB team, Faculty of Engineering, Ain Shams University, Cairo, Egypt

Role: Developing interface for automated assessment, planning and management of E-JUST new campus project using BIM/GIS platform.

[FEDA CoRELAB Team: Yasser Mansour (Head), Ashraf Nessim, Sherif Abdelmohsen, Hazem ElDaly, Ayman Assem, Hossam Massoud, Manar Mohammad, Mohammad Mekawy, Fatma Fathy, Aya Elsisy]

June 2007 - September 2010

GSA Project: BIM Enabled Design Guide Automation

Member of Georgia Tech team, College of Architecture, Georgia Institute of Technology, Atlanta, GA, USA

Role: Developing interface for cost estimation from preliminary concept design BIM models for U.S. courthouse buildings using Solibri Model Checker (SMC) and Parametric Cost Engineering System (PACES)

[Georgia Tech Team: Charles Eastman (PI), Yeon-Suk Jeong, Jaemin Lee, JinKook Lee, Paola Sanguinetti, Hugo Sheward, Sherif Abdelmohsen]

THESIS SUPERVISION

Masters Students

- 1- Noran El-Abd, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: Enhancing the Implementation of BIM in the Egyptian AEC Industry

- 2- Mohamed Mazen Mohamed, Department of Architecture, Faculty of Engineering, Ain Shams University (Thesis Defense Date: 09/2013) *Thesis Title: Using BIM Technology in Developing the Building Process*

- 3- Engy Habib, Department of Architecture, Faculty of Engineering, Ain Shams University (Thesis Defense Date: 03/2014)
Thesis Title: Towards Biogenesis in Architecture

- 4- Yasser Salama, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: Influence of Evidence-based Design on Hospitals' Operational Efficiency: Case Study – Space Design of the Intensive Care Unit

Doctoral Students

- 1- Ahmed Eliraqi, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: The Impact of Parametric Modeling on Creative Outcomes in Design Studio

- 2- Ramy Bakir, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: The Impact of Nanotechnology on the Environmental Design Process in Egypt

- 3- Hany Abdullah, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: A Cost-based Framework for Patient Safety Risk Assessment in General Hospitals in Egypt

- 4- Nancy Maged Yassa, Department of Architecture, Faculty of Engineering, Ain Shams University
Thesis Title: Analysis of Experiences of Creative Class Workers in the Innovative Workplace

PRESENTATIONS

GreenBIM Thinking: Strategies for Sustainable Design using Building Information Modeling, in BIM and Environmental Simulation Mini Symposium, Lincoln School of Architecture International Summer School, University of Lincoln, Brayford Pool, Lincoln, UK, July 2012.

BIM Expertise and Education (Paola Sanguinetti and Sherif Abdelmohsen),

Panel Session (BIM and Beginning Education), in *We Have Never Been PreDisciplinary (24th National Conference on the Beginning Design Student)*, College of Architecture, Georgia Institute of Technology, Atlanta, GA, USA, March 2008

Flora Electronica Installation

(Xmedia Group at Georgia Tech: Ali Mazalek and graduate students Remote Collaborators at NYU - Ken Perlin and graduate students)

Presented at *Listening Machines 2007*, Eye Drum, Atlanta, GA, USA, April 2007

TangiCAD: Tangible Interface for Manipulating Architectural 3D Models

Open House, Computational Design Laboratory (CoDeLAB), School of Architecture, Carnegie Mellon University, Pittsburgh, PA, USA, March 2006

POSTER PRESENTATIONS

Energy Puppet: Providing Ambient Awareness for Home Energy Consumption (Sherif Abdelmohsen and Ellen Yi-Luen Do)

Presented at:

- Graphics, Visualization and Usability (GVU) Spring Research Showcase, TSRB, Georgia Institute of Technology, Atlanta, GA, USA, March 1, 2007. - Graduate Student Symposium (GSS2007), Georgia Institute of Technology, Atlanta, GA, USA, March 9, 2007.
- Sustainability Poster Session, Institute for Sustainable Technology and Development, Atlanta, GA, USA, April 18, 2007.

The Generalized Model of Expertise: Defining Strategies in Building

Information Modeling (Paola Sanguinetti and Sherif Abdelmohsen) Presented at:

- *The Third International Conference on Design Computing and Cognition (DCC'08)*, Georgia Institute of Technology, Atlanta, GA, June 23-25, 2008.
- The Georgia Tech Research and Innovation Conference (gtRIC 2010), Georgia Institute of Technology, Atlanta, GA, February 8, 2010.

WORKSHOPS

Ain Shams University Neighborhood Initiative Workshop - Phase I (2013)

(Co-organizer in one day workshop in partnership with Megawra, hosted by Department of Architecture, Ain Shams University, funded by IIE)

XOTech EMotion Workshop (2013)

(Co-organizer and main tutor in performative skin and digital fabrication workshop, in partnership with MAGLAB Syria, hosted by Department of Architecture, Ain Shams University, Feb 2-9, 2013) <http://www.recitymagazine.com/project-732-responsive-skin-performative-design-and-fabrication-workshop-xotec> <http://www.arch2o.com/xotech-workshop-maglab/>

CFB Inter-University Workshop (2012)

(Co-organizer and moderator in one day workshop in partnership with Megawra, Cairo From Below, hosted by Department of Architecture, Ain Shams University, funded by IIE-Ford foundation)

KRAFT 2012 (Kinematic and Responsive Architecture and Fabrication Technology) workshop and competition

(Workshop organizer, in partnership with FabLab Egypt and Megawra)

Union of Mediterranean Architects (UMAR) Workshop, Cairo, Egypt (1999)
(Replanning master plan & villas of Dreamland Project, 6th October City)

Design Computing Workshop, Georgia Institute of Technology, Atlanta, GA, USA (2006)
(Workshop Participation)

AWARDS/RECOGNITION

Young Active Researcher Award, Faculty of Engineering, Ain Shams University, Cairo, Egypt
For outstanding research activity and effort (AY 2012/2013), June 2013

Certificate of Appreciation and Attendance, University of Lincoln, UK
For attending and actively participating in the University of Lincoln Summer School in Architecture: Conservation and Sustainability, July 2012

Faculty Award of Merit for Best Doctoral Presentation
Recipient of award, School of Architecture, Georgia Institute of Technology, April 2012

Member Invitation, Golden Key International Honor Society
Invited Member from Georgia Institute of Technology, December 2009

ARCC/ KING Student Medal for Excellence in Architectural + Environmental Design Research (<http://www.arccweb.org/kingawd.htm>)
Georgia Institute of Technology Recipient for AY 2008/2009, April 2009

Egyptian Cultural and Educational Bureau (ECEB) Program Scholarship
Recipient of GM scholarship to pursue PhD degree at Georgia Tech, May 2006

Certificate of Achievement, Department of Architecture, Faculty of Engineering, Ain Shams University
April 2005

The Binational Fulbright Commission in Egypt (BFCE) Egyptian Student Program Grant
Recipient of non-degree grant to conduct research at Carnegie Mellon University February 2005

Ain Shams University Annual Science Fair Honorary Award
Recipient of AY 2003/2004 distinguished graduate students award, 2004

AFFILIATIONS

- Member, Golden Key International Honor Society
- Member, Digital Building Laboratory, Georgia Tech
- Member, Student Construction Association (SCA), Georgia Tech
- Member, Board of Directors, Arab Society for Computer Aided Architectural Design (ASCAAD)
- Member, Cultural Affairs Committee, Faculty of Engineering, Ain Shams University

- Member, International Accord Committee, Faculty of Engineering, Ain Shams University
- Alumnus, The Binational Fulbright Commission in Egypt (BFCE)
- Alumnus, CoDeLab, Carnegie Mellon University
- Member, Egyptian Engineering Syndicate

SOCIAL ACTIVITIES

- Member, Scientific Committee, Eco-House Competition, Department of Architecture, Ain Shams University (February 2014)
- Design Computing Representative for PhD newsletter, School of Architecture, Georgia Institute of Technology (Fall 2008)
- Participation in organizing Ain Shams architectural competition "FUTURE ARCHITECTURE 2100" (January 2005 – June 2005)
- Participation in Rotterdam Biennale (May 2003 – July 2003) titled: "Mobility: Room with a View"
- Participation in Preparing Architectural Symposia (Feb. 2000 – June 2001) [Architecture & Art, Architecture & Technology, Architecture & Environment, Airports] symposia, Supreme Council of Culture, Cairo

ATTENDED CONFERENCES

- The XIX World Congress of the Union of International Architects (UIA '96), Barcelona, Spain, 1996.
- The XX World Congress of the Union of International Architects (UIA '99), Beijing, China, 1999.
- The 1st Annual Conference on Architectural Heritage, Library of Alexandria, Alexandria, Egypt, March 2002.
- The XXI World Congress of the Union of International Architects (UIA '02), Berlin, Germany, 2002.
- "New York: City in Motion" Conference, New York Institute of Technology, New York, NY, USA, March 2006.
- The 12th Annual Conference of the Association of Computer Aided Architectural Design Research in Asia (CAADRIA 2007), Southeast University, Nanjing, China, April 2007.
- The 2nd International Association of Societies of Design Research (IASDR 2007) International Conference, Hong Kong Polytechnic University, Hong Kong, November 2007.
- "We Have Never Been Pre-Disciplinary", the 24th National Conference on the Beginning Design Student, Georgia Institute of Technology, Atlanta, GA, USA, March 2008.

- The 3rd International Conference on Design Computing and Cognition (DCC 08), Georgia Institute of Technology, Atlanta, GA, USA, June 2008.
- The 7th International Workshop on Social Intelligence Design (SID 2008), School of Architecture, Universidad de Puerto Rico, San Juan, Puerto Rico, December 2008.
- The 13th International Conference of Computer Aided Architectural Design Research Futures (CAADFutures 2009), Universite de Montreal, Montreal, Quebec, Canada, June 2009.
- Digital Building Laboratory Symposium, Manufacturing Research Center, Georgia Institute of Technology, Atlanta, GA, USA, June 2010.
- Digital Building Laboratory Symposium, Klaus Advanced Computing Building, Georgia Institute of Technology, Atlanta, GA, USA, May 2011.
- The 6th International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2012), College of Architectural Engineering and Design, The Kingdom University, Manama, Bahrain, February 2012.
- XVII Congreso de la Sociedad Iberoamericana de Grafica Digital (SIGRADI 2013), Universidad Tecnica Federico Santa Maria, Valparaiso, Chile, November 2013.
- The 32nd Education and Research in Computer Aided Architectural Design in Europe International Conference (eCAADe 2014), Northumbria University, Newcastle, UK, September 2014.



Scientific Committee of IEREK Conferences