

السيرة الذاتية

Curriculum Vita



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Prof. Rabee M. Reffat

نبذة مختصرة:

يعمل الدكتور ربيع محمد رفعت أستاذاً للعمارة والتقنيات الرقمية بقسم العمارة، كلية الهندسة، جامعة أسيوط، وهو حاصل على دكتوراه الفلسفة في العمارة وتقنية المعلومات من جامعة سيدني بأستراليا، وله مجالات إهتمام بحثية تشمل: تطبيقات تقنية المعلومات من الذكاء الاصطناعي وتعليم الآلة وتقنيات الواقع والبيئات الافتراضية في مجال التصميم والتعليم المعماري والحفاظ على التراث وإدارة وصيانة الإنشاءات والمباني الذكية وتوظيف تقنية تنقيب المعلومات وتطبيقاتها في العمارة والتراث والتشييد والصيانة. كما أن له إسهامات في مجال البحوث والدراسات التطبيقية حيث قام أكثر من ثمانين بحثاً علمياً بدوريات ومؤتمرات عالمية محكمة. وقد أدار الدكتور ربيع عدة مشاريع بحثية في مجال العمارة وتقنية المعلومات بجامعة سيدني بأستراليا وهيئة الأبحاث الأسترالية ومدينة الملك عبد العزيز للعلوم والتقنية وجامعة الملك فهد للبترول والمعادن بالمملكة العربية السعودية. وشارك أيضاً في تصميم وتنفيذ مشاريع معمارية في مصر و أستراليا والمملكة العربية السعودية، وهو حالياً مدير مكتب إتيقان العمارة والتخطيط الإستراتيجي. وقام بإعداد البرامج الأكاديمية لدرجة البكالوريوس في تخصصات العمارة والتصميم الداخلي وتصميم الرسومات لكلية العمارة والتصميم الرقمي بجامعة دار العلوم في الرياض بالسعودية، وتعديل برنامج العمارة وإعداد برنامج الماجستير للتصميم الحضري لجامعة عفت في جدة بالسعودية وتقييم برنامج البكالوريوس في التصميم الداخلي لجامعة الأمير محمد بن فهد في الخبر بالسعودية.

Biography

Dr. Reffat is a Professor of Architecture and Digital Technologies at the Architecture Department, Faculty of Engineering, Assiut University, Assiut, Egypt. Dr. Reffat earned his PhD in Architecture and Design Computing from the University of Sydney, Australia. Dr. Reffat has published over 80 research papers in international refereed journals and conference. This is addition to four book chapters and three edited conference proceedings. His areas of research excellence include: Architectural creativity; Digital architecture; Applications of artificial intelligence and machine learning in planning, designing, constructing and managing the built environment; Intelligent, green and sustainable buildings; Virtual design studios & e-learning; Virtual heritage; Energy efficiency and renewable energy; Creative and knowledge-based environments. Dr. Reffat has successfully managed and completed research projects funded by Australian Research Council, University of Sydney and the CRC Construction Innovation in Australia, KFUPM and KACST in Saudi Arabia. Dr. Reffat has a substantial architectural design experience in the building and construction industry and contributed in designing major buildings in Australia and the Middle East, and he is currently the principal of QASP office (Quality Architecture and Strategic Planning). Dr. Reffat prepared the complete and articulated academic curricula for the bachelor programs in Architecture, Interior Design, and Graphic Design for the College of Architecture and Digital Design, Darulium University, Riyadh, Saudi Arabia. He revised the Bachelor program of Architecture and prepared the Master program of Urban Design at Effat University, Jeddah, Saudi Arabia. Also, he reviewed the academic curriculum of Bachelor of Interior Design at Prince Mohammad bin Fahd University, Khobar, Saudi Arabia.

Contents

I. Education	4
II. Employment	5
III. Honors and Awards.....	6
IV: Professional Memberships.....	6
V. Professional Experience	7
VI: Training and Professional Development.....	10
VII. Teaching and Related Activities	12
VIII. Curriculum Design and Educational Consultation	13
IX. Keynote Speeches and Presentations.....	13
X. Funded Research Projects	18
XI. Publications	20
XII. Master and Doctoral Students Supervision.....	28
XIII. Conference Organization	28
XIV. Review of Technical Papers, Proposals and Reports	29
XV. University Administration Services.....	31

I. Education

- 2004** Grad. Cert. of Teaching in Higher Education (Sydney, Australia) 2004
- 2000** Doctor of Philosophy (**PhD**) in Architecture, Faculty of Architecture, **University of Sydney, Australia.**
Thesis title “Computational Situated Learning in Designing: Application to Architectural Shape Semantics”
- 1994** **Master** of Science in Architectural Engineering, Department of Architectural Engineering, College of Environmental Design, King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia, accredited by ABET.
Thesis title “Development of an Expert System for Environmental Quality Evaluation of office Buildings”
GPA 3.84 (out of 4.0 point scale) = 96 %
- 1991** **Master Courses** in Architectural Engineering, Department of Architectural Engineering, Faculty of Engineering, University of Assiut, Egypt.
Average Grade (89%)
- 1989** **Bachelor** of Architecture, Department of Architectural Engineering, Faculty of Engineering, University of Assiut, Egypt.
Honor’s degree (81.5%)
Graduation Project: High Distinction (A+)

Specialization

- Sustainable Environments
- Energy efficiency and renewable energy
- Intelligent, green and sustainable buildings
- Heritage Digital Documentation and Virtual heritage
- Digital Architecture and Creativity
- Applications of artificial intelligence and machine learning in designing, constructing and managing the built environment
- Virtual design studios & e-learning
- Creative and knowledge-based environments

II. Employment

4.2012 to present	Professor of Architecture and Digital Technologies Architectural Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.
9.2011 to 4.2012	Associate Professor Architectural Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.
9.2004 to 8.2011	Assistant & Associate Professor Architecture Department, College of Environmental Design, King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia.
3.2002 to 8.2004	Assistant Professor Architectural Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt.
1.2001 to 8.2003	Tenure Lecturer (Assistant Professor) School of Architecture, Design Science and Planning, Faculty of Architecture, University of Sydney, Sydney, Australia
3.2000 to 1.2001	Project Architect Leffler Simes Architects, Neutral Bay, North Sydney, NSW, Australia
2.1996 to 3.2000	PhD Research Candidate Key Centre of Design Computing and Cognition, Department of Architectural and Design Science, Faculty of Architecture, University of Sydney, Australia.
6.1996 to 12.1998	Senior Architect (part-time) Buchan Groups Architects, Sydney CBD, NSW, Australia
7.1995 to 2.2002	Lecturer Department of Architectural Engineering, Assiut University, Egypt
7.1994 to 6.1995	Senior Architect Saad Trading and Contracting Company, Khobar, Saudi Arabia
10.1992 – 6.1994	Research Assistant Department of Architectural Engineering, College of Environmental Design, KFUPM, Saudi Arabia
12.1990 – 10.1992	Graduate Student Department of Architectural Engineering, Assiut University, Egypt
1.1990 to 9.1992	Architect (part-time) Egyptian Consultant Group, Giza, Egypt

III. Honors and Awards

2013	University Research Distinction Award in Engineering and Computer Science 2103, Assiut University, Assiut, Egypt.
2012	3 rd Prize of the Architectural Design Award for the Engineering Syndicate Club in Assiut, Assiut, Egypt.
2010	KFUPM Distinction Award for the Excellence in Academic Advising at the College of Environmental Design, KFUPM, Saudi Arabia
2010	Best Paper Award , for the paper titled "Integrating Intelligent Building Technologies: A Means for Fostering Sustainability", the International Conference on Technology and Sustainability in the Built Environment, organized and hosted by the Faculty of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia, during the period 3-6 January 2010.
2009	KFUPM Distinction Award for the Excellence in Teaching at the College of Environmental Design, KFUPM, Saudi Arabia
2005	Innovation Award , College of Environmental Design, KFUPM, Saudi Arabia
2004	Best Poster Award, The 10 th International Multi-Media Modeling Conference, Brisbane, Australia.
2000	Certificate of Merit, City to Surf, 2000 Sydney, Australia
1999-2000	University of Sydney Postgraduate Award, Australia
1996-1999	Departmental Scholarship – Department of Architectural and Design Science, University of Sydney, Australia
1992-1994	Research Scholarship – College of Environmental Design, KFUPM, Saudi Arabia
1989	Undergraduate Honors of Scientific Distinction Award, Assiut University, Egypt

IV: Professional Memberships

- Architect, Board of Architects, NSW Chapter, Australia
- Architect (Fellow), Association of Egyptian Architects, Egypt
- Architectural Engineer, Egyptian Engineering Syndicate, Egypt
- President, Arab Society of Computer Aided Architectural Design (ASCAAD) (2007-2011)
- Founding Member, Arab Society of Computer Aided Architectural Design (ASCAAD)
- Member, Computer Aided Architectural Design Research in Asia (CAADRIA)
- Member, Education of Computer Aided Architectural Design in Europe (eCAADe)

V. Professional Experience

Dr. Reffat is a registered architect and is the Executive Director of “QASP: Quality Architecture and Strategic Planning”. He has a substantial architectural experience in the building and construction industry and contributed in designing major architectural and urban projects in Australia valued in excess of U\$500 million. This is in addition to substantial architectural design and urban projects in the Middle East including Saudi Arabia and Egypt. Dr. Reffat has recently completed significant strategic planning projects in Saudi Arabia for the Supreme Commission of Tourism and other major clients.

Architectural Design, Construction Supervision and Project Management

Egypt:

- **Edfo Mall**, Edfo, Aswan, Egypt, **2014** (4,800,000 EGP).
- **Elbisary Housing Complex** (1200 Apartments), Assiut University, Assiut, Egypt, **2104**, (240,000,000 EGP).
- **University Headquarter**, Aswan University, Aswan, Egypt, **2013** (129,500,000 EGP).
- **Outpatients Clinic**, South Valley University, Qena, Egypt, **2013** (39,500,000 EGP).
- **Residential Building**, Berkat Elsabeh, Elmenofiah, Egypt, **2012** (1,500,000 EGP)
- Engineering Club, Assiut city, Assiut, Egypt, Architectural Competition Ward, 3rd Prize, **2012**.
- **Engineering Institute**, Kafer Elzayat, Elgharbiah, Egypt, **2011** (23,000,000 EGP).
- Tawheed **Mosque**, Beni Suef, Egypt, 2006.
- **Residential Villas** and Apartments Buildings, New Cairo, Egypt, 2005.
- **Residential Villas** and Apartments Buildings, 6th October City, Egypt, 2004.
- **Swimming Pool**, Shaikh Saleh Kamel, Sedyun, Egypt (350,000 EGP, 1992): Egyptian Consultant Group, Giza, Egypt.
- **Apartment Decoration**, Mr. Atef El-Wassif, Nasr City, Egypt (200,000EGP: 1992): Egyptian Consultant Group, Giza, Egypt.
- **Interior Design of Abi Omama Hotel**, Egyptian Company of Real Estate Investment, Giza, Egypt (4 Million EGP: 1992): Egyptian Consultant Group, Giza, Egypt.
- **Interior Design of Presidential Hotel**, Mr Adel Youssef, Hurgada, Egypt (200,000EGP: 1991): Egyptian Consultant Group, Giza, Egypt.
- **Commercial and Residential Block**, Mr. Alu Khalil, Hurgada, Egypt, Preliminary Project: 1991: Egyptian Consultant Group, Giza, Egypt.
- Working Details of **Yasmin Floating Hotel**, Wings Tour, Luxor-Aswan, Egypt (250,000EGP: 1990): Egyptian Consultant Group, Giza, Egypt.
- **Hotel and Bowling Centre**, Bowling Hotel Centre, Giza, Egypt, Preliminary Project, 1990: Egyptian Consultant Group, Giza, Egypt.

Australia & Thailand

- **Asian Games Aquatic Centre**, Thailand (\$35 Million, 1996): Cox, Richardson Architects and Planners, Sydney, Australia.
- **Industrial Building Design**, Frenches Forest, NSW, Australia (\$8 Million, 1997): Firth Doreen Architects, Sydney, Australia.
- **North Shore Private Hospital**, NSW, Australia (\$40 Million, 1997): Firth Doreen Architects, Sydney, Australia.
- **Office Building and Hotel**, Sydney No. 1 Martin Place, Sydney, Australia (\$150 Million, 1997-98): The Buchan Group Architects, Sydney, Australia.
- **Macquarie Shopping Centre**, North Ryde, Sydney, Australia (\$75 Million, 19998): The Buchan Group Architects, Sydney, Australia.
- **Wetherill Park Shopping Centre**, Wetherill Park, Sydney, Australia (\$40 Million, 2000): Leffler Simes Architects, Sydney, Australia.
- **Retail Interior Design**, Aston Express, Warringa Shopping Mall, Sydney, Australia, 2001: Architectural edge, Sydney, Australia.
- **Show Room Interior Design** at Sussex Street, Sydney CBD, Australia, 2001: Architectural edge, Sydney, Australia.
- **Shopping Mall**, Bankstown, Sydney, Australia (\$38 Million, 2002): Architectural edge, Sydney, Australia.
- **Convenience Store Interior Design**, Rosella Convenience Store, Kent St., Sydney CBD, Australia, 2003: Architectural edge, Sydney, Australia.

Saudi Arabia

- **Tourism and Resort Centers**, Taif, Supreme Commission of Tourism, Saudi Arabia, 2007.
- **Educational Complex** for Private School in Dammam (KG-High School), Dammam, Saudi Arabia, 2005.
- **Affordable Housing Design**, Housing Competition in Saudi Arabia, 2003: Architectural edge, Sydney, Australia.
- **Residential Complex**, Khobar, Saudi Arabia, 1995: Saad Training and Contracting Company, Khobar, Saudi Arabia.
- **Urban Ornamental Garden**, Arabian Gulf, Azizzia, Saudi Arabia, 1995: Saad Training and Contracting Company, Khobar, Saudi Arabia.
- **Recreation Center**, Golden Belt, Khobar, Saudi Arabia, 1994: Saad Training and Contracting Company, Khobar, Saudi Arabia.
- **Residential Villas**, Shaikh Husam Khashoukji, Jeddah, Saudi Arabia, Preliminary Project, 1992: Egyptian Consultant Group, Giza, Egypt.
- **Residential Villa**, Prince Emad Al Aboud, Jeddah, Saudi Arabia, Preliminary Project, 1992: Egyptian Consultant Group, Giza, Egypt.
- **Residential Villa**, Princess Al Anoud, Jeddah, Saudi Arabia (2 Million SR, 1992): Egyptian Consultant Group, Giza, Egypt.
- **Sea Food Restaurant and Health Club** for men and women, Shaikh Omar Kamel, Jeddah, Saudi Arabia (3.5 Million SR, 1992): Egyptian Consultant Group, Giza, Egypt.

- **Special Restaurants Building**, Shaikh Khasfian, Jeddah, Saudi Arabia (5 Million SR, 1992): Egyptian Consultant Group, Giza, Egypt.
- **Commercial Centre**, Shaikh Hamdan Hamid Al Balawi, Jeddah, Saudi Arabia (20 Million SR, 1991): Egyptian Consultant Group, Giza, Egypt.
- **Residential Blocks**, Shaikh Abdullah Ba Hamdin, Jeddah, Saudi Arabia (50 Million SR, 1991): Egyptian Consultant Group, Giza, Egypt.
- **Casablanca Hotel** Jeddah, Casablanca Hotel Management, Jeddah, Saudi Arabia (15 million SR, 1991): Egyptian Consultant Group, Giza, Egypt.
- **Special Restaurants and Services** (Green Island), Shaikh Omar Kamel, Jeddah, Saudi Arabia (2 million SR, 1990): Egyptian Consultant Group, Giza, Egypt.
- **Multi Purpose Hall**, Shaikh Abdullah Ba Hamdin, Jeddah, Saudi Arabia (7 million SR, 1990): Egyptian Consultant Group, Giza, Egypt.
- **Residential Villa**, Shaikh Mansour Al Balawi, Jeddah, Saudi Arabia (3.5 million SR, 1990): Egyptian Consultant Group, Giza, Egypt.

Strategic Planning & Feasibility Projects

Saudi Arabia

- **Strategic Tourism Development Plan for Taif**, Supreme Commission of Tourism, Saudi Arabia, 2007.
- **Strategic Planning for Improving KFUPM Campus Amenities**, KFUPM, Dhahran, Saudi Arabia, 2007.
- **Architectural Program Review of Hail University Hospital**, Hail, Saudi Arabia, 2006.
- **Feasibility Studies of Hotel Development** at King Fahd International Airport (KFIA), Dammam, Saudi Arabia, 2005.

VI: Training and Professional Development

October 1-5, 2012	<u>5 Days Training Course</u> on “ Research, Technology, and Innovation Management ”, organized by Academy of Science Malaysia, Kuala Lumpur, Malaysia.
March 22, 2011	Workshop on “ Scientific Publishing ”, Deanship of Scientific Research, KFUPM, Saudi Arabia.
April 21, 2010	International Workshop on “ Geometry in Architecture and Building Design (Geo -ARAB Design) ”, organized by Geometric Modeling & Scientific Visualization Research Center at King Abdullah University of Science and Technology (KAUST), Rabegh, Saudi Arabia.
February 28, 2010	Workshop on “ Survey Construction ”, organized by the Deanship of Academic Development at KFUPM, Saudi Arabia.
November 15-16, 2009	<u>2 Days Workshop</u> on “ Research Team Leadership ”, organized by the Leadership Foundation of Higher Education, UK, (Hosted by KFUPM in Khobar, Saudi Arabia).
September 26, 2009	Workshop on “ Facilitation of Departmental Assessment ”, organized by the Deanship of Academic Development at KFUPM.
March 3, 2009	Workshop on “ Experimenting with PBL ”, organized by the Deanship of Academic Development at KFUPM, Saudi Arabia.
Sep. 8, 2008	Workshop on “ Informal Learning ”, Deanship of Academic Development (DAD), King Fahd University of Petroleum and Minerals (KFUPM) , Saudi Arabia.
Sep. 7, 2008	Workshop on “ Linking Research & Teaching ”, Deanship of Academic Development (DAD), King Fahd University of Petroleum and Minerals (KFUPM) , Saudi Arabia.
Dec. 29, 2007 - Jan. 2, 2008	<u>5 Days Workshop</u> on “ Peer Consultants in Teaching ”, organized by the Deanship of Academic Development (DAD), King Fahd University of Petroleum and Minerals (KFUPM) , Saudi Arabia.
Dec. 9-11, 2007	<u>3 Days Workshop</u> on “ Research Management ”, Stanford Research Institute , (Hosted by KFUPM in Khobar, Saudi Arabia)
Nov. 14, 2007	Workshop on “ Good Teaching & Effective Lecturing ”, Deanship of Academic Development (DAD), King Fahd University of Petroleum and Minerals (KFUPM) , Saudi Arabia.
Feb. 25&27, 2007	<u>2 Days Workshop</u> on “ Building Your Academic Portfolio ”, Deanship of Academic Development (DAD), King Fahd University of Petroleum and Minerals (KFUPM) , Saudi Arabia.
Feb. 22, 2007	Workshop on “ Platform Training Skills ”, Deanship of Educational Services, KFUPM, Saudi Arabia.
Feb. 20, 2007	Workshop on “ Research at KFUPM: Future Outlook ”, Deanship of Scientific Research, KFUPM, Saudi Arabia.
Feb. 19&20, 2007	Workshop on “ Developing Assessment Plan to enhance Students Learning ”, DAD, KFUPM, Saudi Arabia.
Feb. 4, 2007	Workshop on “ Use of ERP System for Research Project ”, Deanship of Scientific Research, KFUPM, Saudi Arabia.
Sept. 20, 2006	Workshop on “ Effective Use of Collaborative Learning in the Classroom ”, DAD, KFUPM, Saudi Arabia.

Sept. 4, 2006	Workshop on “Good Learning and good Teaching: How do we promote more of it?” , DAD, KFUPM, Saudi Arabia.
Aug. 28-30, 2006	3 Days Workshop on “Training the Trainers of Basic Study Skills” , DAD, KFUPM, Saudi Arabia.
Sept. 5-Oct. 11, 2005	5 Weeks Online Workshop on “Tutoring Online: Principles and Practice” , University of Illinois at Urbana-Champaign, USA.
Sept. 4, 2005	Workshop on “Graduates for Tomorrow's World: Developing University Curricula and Teaching for Generic Attributes” , organized by the Deanship of Academic Development (DAD), KFUPM, Saudi Arabia.
Sept. 3, 2005	Workshop on “Evaluating the Quality of Teaching: An Institutional Framework” , organized by the Deanship of Academic Development (DAD), KFUPM, Saudi Arabia.
March 6, 8 &13 th , 2005	3 Days Workshop on “Instructional Design for online courses” , organized by DAD, KFUPM, Saudi Arabia.
Feb. 07, 2005	Workshop KFUPM on “Faculty Research Development” , organized by the Research Institute, KFUPM, Saudi Arabia.
Oct. 3&5 th , 2004	Workshop on “Designing e-Learning materials” , organized by DAD, KFUPM, Saudi Arabia.
Sept. 28, 2004	Workshop on “Outcome-based program assessment” , organized by DAD, KFUPM, Saudi Arabia.
Sept. 7, 2004	Workshop on “Using groups and student teams to promote learning” , organized by DAD, KFUPM, Saudi Arabia.
Sept. 6, 2004	Workshop on “Activity learning to foster critical thinking” , organized by the Deanship of Academic Development (DAD), KFUPM, Saudi Arabia.
23 October 2001	Workshop on “WebCT: Building Content Materials” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
19 October 2001	Workshop on “Using WebCT's Online Communication” , Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
12 October 2001	Workshop on “WebCT: Introduction to Online Teaching” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
28 September 2001	Workshop on “Showcase of Scholarly Inquiry in Teaching and Learning” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
20 September 2001	Workshop on “Post Graduate Supervision: Developing Supervisory Skills” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
27 August 2001	Workshop on “New Staff Induction” , organized by the Staff Support and Development Unit, University of Sydney, Sydney, Australia.
3-5 July 2001	3 Days Workshop on “Principles & Practice of University Teaching and Learning” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.
23 April 2001	Workshop on “First Year Coordinators” , organized by the Institute of Teaching and Learning, University of Sydney, Sydney, Australia.

21-26 October 1995	<u>5 Days Workshop</u> on “ Preparation of a University Teacher ”, organized by the Faculty of Education, Assiut University, Assiut, Egypt.
April 23-27, 1994	<u>5 Days Workshop</u> on “ Computer Aided Planning and GIS ”, KFUPM, Saudi Arabia.
April 24-28, 1993	<u>5 Days Workshop</u> on “ Computer Aided Design and Drafting ”, KFUPM, Saudi Arabia.
Feb 6-10, 1993	<u>5 Days Workshop</u> on “ Building Maintenance: Engineering and management ”, KFUPM, Saudi Arabia.
March 12-13 1991	<u>2 Days Workshop</u> on “ Towards better co-operation between University and community ”, Faculty of Engineering, University of Assiut, Egypt.

VII. Teaching and Related Activities

Teaching Experience

Postgraduate Courses Taught

1. Virtual Architecture (University of Sydney, Australia).
2. Data Mining in Design (University of Sydney, Australia).
3. Applications of Computers in Urban and Regional Planning (Assiut University, Egypt).
4. Applications of Computing Program in Architecture and Planning. PhD course, (Assiut University, Egypt).
5. Scientific Research Methods. Master Degree Course, (Assiut University, Egypt).

Undergraduate Courses Taught

1. Design Studio 1A, Paperless Design Studio (University of Sydney, Australia).
2. Design Studio 1B, Virtual Design Studio (University of Sydney, Australia).
3. CAD Modeling (University of Sydney, Australia).
4. Senior Project (KFUPM, Saudi Arabia)
5. Senior Project Preparation and Programming (KFUPM, Saudi Arabia)
6. Construction Documents (KFUPM, Saudi Arabia)
7. Design Studio VI: Comprehensive Design Project (KFUPM, Saudi Arabia)
8. Design Studio V: Intelligent Design Studio (KFUPM, Saudi Arabia)
9. Design Studio IV: Analysis & Synthesis (KFUPM, Saudi Arabia)
10. Design Studio I: Design Principles (KFUPM, Saudi Arabia)
11. Special Topics in Computer Aided Design (KFUPM, Saudi Arabia)
12. Knowledge-Based Systems in Architecture (KFUPM, Saudi Arabia)
13. Man and Built Environment (KFUPM, Saudi Arabia)
14. Graduation Project (Assiut University, Egypt).
15. Design Studio VI (Assiut University, Egypt).
16. Design Studio II (Assiut University, Egypt).
17. Introduction to Computer Applications in Architecture (Assiut University, Egypt).
18. Computer Applications in Architecture (Assiut University, Egypt).
19. Construction Working Details (Assiut University, Egypt).

Short-Courses Coordination & Teaching

Coordinated and taught a short course on “Data Mining Techniques for Decision Makers in Construction and Real Estate” in May 2006.

Teaching Evaluation

- © The students' satisfaction level of his courses taught at the University of Sydney that had official conducted student evaluation during the period 2001-2003 is averaged at **91%**
- © The weighted average of his students' evaluation for the courses taught at KFUPM during the period 2004-2011 is **9.2 out of 10**

VIII. Curriculum Design and Educational Consultation

- © Developing a comprehensive Curriculum Design of a Master Program in Urban Design, Effat University, Jeddah, Saudi Arabia (2011-2012).
- © Feasibility Analysis for Establishing a new private College in Architecture and Design in Riyadh, Saudi Arabia for Dar Al Uloom University, Riyadh, Saudi Arabia (2008).
- © Developing a comprehensive Curriculum Design of three undergraduate programs in Architecture, Interior Design and Graphic Design for the College of Architecture and Digital Design, Dar Al Uloom University, Riyadh, Saudi Arabia (2008).
- © Evaluation of the Curriculum Design of an undergraduate program in Interior Design at Prince Mohammad Bin Fahd University, Eastern Province, Saudi Arabia (2006).

IX. Keynote Speeches and Presentations

Conference Presentations

November, 2013	Second Forum of Traffic Safety, College of Architecture and Planning, Dammam, Saudi Arabia, (2011)
April, 2012	7th Municipal Conference, Manama, Bahrain, (2012)
December, 2011	First Forum of Traffic Safety, College of Architecture and Planning, Dammam, Saudi Arabia, (2011)
November, 2011	First National Built Heritage Forum, Research & heritage: Research Papers on Architectural Heritage, Saudi Commission for Tourism and Antiquities, Jeddah, Saudi Arabia, (2011)
May, 2011	3 rd International Conference on Applied Energy, Energy Solutions for a Sustainable World, University of Perugia, Perugia, Italy, (2011).
April, 2011	16 th International Conference on Computer-Aided Architectural Design Research in Asia, Circuit Bending, Breaking and Mending, University of Newcastle, Newcastle, Australia, (2011).

October, 2010	10 th International Conference for Enhanced building Operations (ICEBO 2010), Kuwait Institute for Scientific Research, <u>Kuwait</u> , (2010).
October, 2010	1 st Built Environment Development Symposium: Real Estate and Housing Sustainability, Dammam University, Dammam, <u>Saudi Arabia</u> (2010).
May 23-28, 2010	The First International Conference for Urban Heritage In the Islamic Countries (UHIC), Riyadh, <u>Saudi Arabia</u> (2010).
March 22-24, 2010	The 5 th e-Services Symposium in The Eastern Province of Saudi Arabia: Comprehensive eServices: Challenges and Successes, Khobar, <u>Saudi Arabia</u> (2010).
January 4-6, 2010	The International Conference on Technology and Sustainability in the Built Environment, Faculty of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia, (2010).
August 3-7, 2009	The 6 th Symposium on Decision Technology and Intelligent Information Systems, Baden–Baden, Germany (2009).
September 17-19, 2008	26th Conference on Education of Computer Aided Architectural Design in Europe (eCAADe), Antwerpen, <u>Belgium</u> (2008).
April 28-30, 2008	2nd Symposium of Charitable and Affordable Housing in Saudi Arabia: Creative Solutions, Khobar, <u>Saudi Arabia</u> (2008).
April 21-23, 2008	Gulf Tourism & Community Forum 1, Madinah, <u>Saudi Arabia</u> (2008).
April 9-11, 2008	13th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), Chiang Mai, <u>Thailand</u> .
February 26-27, 2008	3rd eServices Symposium in The Eastern Province of Saudi Arabia: The Future of eServices: The Next Step?, Khobar, <u>Saudi Arabia</u> (2008).
February 24-27, 2008	2nd Conference on Planning & Development of Education and Scientific Research in Arab States: Towards Building a Knowledge Society, King Fahd University of Petroleum and Minerals, Dhahran, <u>Saudi Arabia</u> (2008).
July 4-7, 2007	Conference on The Role of Technology in Supporting Comprehensive Urban Development of Arab Cities, Arab Urban Development Institute, Marrakesh, <u>Morocco</u> (2007)
July 16-19, 2007	2nd International Symposium on Knowledge Cities: Future of Cities in the Knowledge Economy, Arab Urban Development Institute, Shah Alam, Selangor, <u>Malaysia</u> (2007).
March 10-13, 2007	Int. Conference on Sources of Architectural Form: Theory and Practice, Kuwait University, <u>Kuwait</u> .
Nov. 19-20, 2006	GITEX 2006, Dubai International Convention and Exhibition Centre, Dubai, <u>UAE</u> .
April 18-19, 2006	The First Symposium of Charitable and Affordable Housing in Saudi Arabia, Alkhobar, <u>Saudi Arabia</u> organized by King Faisal University and Alber Association

March 31-April 2, 2006	11 th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), Kumamoto, <u>Japan</u>
Nov. 28-30, 2005	Symposium on Knowledge Cities, Al-Madinah Al-Munawara, <u>Saudi Arabia</u> , organized by the Arab Urban Development Institute
May 16-19, 2005	Symposium on Low Priced, Construction Systems and Patterns, Amman, <u>Jordan</u> , organized by the Housing and Urban Development Corporation
April 28-30, 2005	10 th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), New Delhi, <u>India</u>
Feb. 22-24, 2005	First International Conference for the Arab Society of Computer Aided Architectural Design (ASCAAD) on “e-Design in Architecture”, held at KFUPM, Dhahran, <u>Saudi Arabia</u> .
June 1-3, 2004	Symposium on the Traditional Arabian City Center: Present and Future, Homs, <u>Syria</u> , organized by Arab Urban Development Institute
March 23-25, 2004	Second International Conference on Development and Environment, Assiut University, <u>Egypt</u> .
Feb. 24-26, 2004	First Architectural International Conference, Cairo University, <u>Egypt</u>
Sept. 17-20, 2003	21 st International eCAADe (Education of Computer Aided Architectural Design in Europe) Conference, Graz University of technology, Graz, <u>Austria</u>
May 10-12, 2003	Symposium on “e-Government: opportunities and Challenges”, Muscat, Sultanate of <u>Oman</u> , organized by the Arab Urban Development Institute
August 29-31, 2002	First International Workshop on Agents in Design, Massachusetts Institute of Technology, Cambridge, MA, <u>USA</u>
June 17-20, 2002	International Conference in Information Systems, Department of Computer Science, Cairo University, <u>Egypt</u> .
May 17-19, 2001	International Symposium on Computer & Information Technology Applications in Architectural Education & Practice, Irbid, <u>Jordan</u>
April 19-21, 2001	6 th International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), University of Sydney, Sydney, <u>Australia</u>
Sept. 15-17, 1999	17 th International eCAADe (Education of Computer Aided Architectural Design in Europe) Conference, University of Liverpool, <u>UK</u>
April 22-24, 1998	3 rd International Conference on Computer Aided Architectural Design Research in Asia (CAADRIA), Osaka University, Osaka, <u>Japan</u>
February 10-12, 1997	International Conference on Computational Intelligence and Multimedia Applications (ICCIMA'97), Griffith University, Gold Coast, Queensland, <u>Australia</u>

December 5-7, 1995

2nd International Architectural Conference, Department of Architecture, Faculty of Engineering, Assiut University, Assiut, Egypt

Keynote and Invited Presentations

Europe

- *Digital Architecture & Historic Structures: Visualization and Interpretation*, May 16, Palermo, Italy

Australia

- *Life Cycle Modeling and Design Knowledge Development in Virtual Environments*, March 31, 2004, CRC Project Review, Sydney University, Sydney
- *Intelligent Agents and Design Creativity*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 27 November 2002
- *Situatedness: A New Dimension for Learning Systems in Design*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 9 June 1999.
- *The Role of Situatedness in Learning and Applying Design Knowledge*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 19 August 1998.
- *Design as a Situated Activity: A situated approach for Learning about Architectural Shapes*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 29 April 1998.
- *Unsupervised Learning for Category Learning*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 8 October 1997.
- *Incremental Situated Learning from Multiple representations of Architectural Forms*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 28 July 1997.
- *Towards a Tool for Situated Learning from Multiple Representations*, Key Centre of Design Computing and Cognition, Faculty of Architecture, University of Sydney, 11 June 1997.

Middle East

- *Transforming the Market through Passive and Active Approaches for Energy-Efficient Buildings*, May 02, 2011, Keynote Speaker, Infrastructure & Property Development Summit MEA 2011, Dubai, Marcus Evans, UAE.
- *Intelligent Buildings and Cities*, June 6, 2010, Keynote Speaker, GCC Municipalities and Town Development Global Competitiveness Strategy Conference, Datamatix, Dubai, UAE.
- *Integrating Intelligent Buildings*, May 22, 2010, Invited Lecture, Building Technology Day II, College of Architecture and Planning, Dammam University, Saudi Arabia.
- *Shaping the Future of Property Development: The Green and Sustainable Architecture Approach*, April 26, 2010, Keynote Speaker, Infrastructure & Property Development Summit MEA 2010, Dubai, Marcus Evans, UAE.
- *The Mutable Building Envelope*, April 1, 2010, Keynote Speaker, TEDxNile, Cairo, Egypt, Available on http://www.youtube.com/watch?v=UoJH_qGKlM0&feature=related

- *Information and Digital Technology in Architecture: Current and Future Prospects*, March 24, 2010, Department of Architecture and Planning, Qatar University, Qatar.
- *Designing with Computational Agents in Virtual Environments*, March 9, 2008, Public Lecture, Faculty of Architecture and Planning, King Faisal University, Dammam, Saudi Arabia.
- *A Semantic-Based Virtual Design Environment for Digital Designing in Architecture*, February 27, 2006, CED Seminar, Building 19, KFUPM, Saudi Arabia
- *The Mutable Building Envelope: Seasonable Appearances*, Dec. 26, 2005, CED Seminar, Building 19, KFUPM, Saudi Arabia
- *Pervasive Computing, Tectonics and Digital fabrication In Architecture: A new Kind of Buildings*, May 9, 2005, CED Seminars: College of Environmental Design, KFUPM, , Saudi Arabia
- *Closing remarks of the e-Design in Architecture international conference*, February 24, 2005, e-Design in Architecture Conference: KFUPM, , Saudi Arabia
- *Architectural Developments of Buildings within Computing and Globalization*, March 2, 2004, Architecture and Globalization Symposium: Assiut University, Assiut, Egypt
- *Design Computing and Virtual Architecture: A Future Perspective*, College of Environmental Design, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, 20 May 2001.
- *Design Computing and Virtual Architecture: A Future Perspective*, Department of Architectural Engineering, United Arab Emirates University, Al Ain, United Arab Emirates, 23 May 2001.

X. Funded Research Projects

#	Project Title	Role	Funding Agency	Duration	Status
1.	Developing a Computational Tool for a Sustainable Assessment of Intelligent Buildings in Saudi Arabia	International Consultant	King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia Fund: 509,000 SR (1 US\$ 3.75 SR)	22 months (Feb. 2012- Feb. 2014)	Completed
2.	Development of a Strategy-based Design Tool for Energy-Efficient Building Envelope of High-Rise Office Buildings in a Hot-Humid Climate	Principal Investigator	The 1 st Five Year National Plan for Science and Technology, KACST 863,000 SR	22 months (Sept. 2009- July 2011)	Completed
3.	Investigating Patterns of Architectural Features in Saudi Contemporary Architecture using Data Mining: Case Study (Riyadh, Jeddah, Dammam)	Principal Investigator	King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia Fund: 499,040 SR (1 US\$ 3.75 SR)	3 years (007-2009)	Completed
4.	A Semantic-Based Virtual Design Environment for Digital Designing in Architecture	Principal Investigator	Deanship of Scientific Research, KFUPM, Saudi Arabia Fund: 158,000 SR	22 months (Sept 2006- June 2008)	Completed
5.	Analyzing the Impact of IT-based Curriculum On Undergraduate Students' Learning in Architecture at KFUPM	Principal Investigator	Deanship of Academic Development, KFUPM, Saudi Arabia Fund: 54,600 SR	1 Year Sept. 2006 to August 2007	Completed
6.	Developing an Integration System to improve the Utilization of Smart Office Building Technologies in Saudi Arabia	Principal Investigator	Deanship of Scientific Research, KFUPM, Saudi Arabia Fund: 64,000 SR	14 Month Sept. 2005- November 2006	Completed
7.	Developing plans for the improvement of campus amenities and services	Co-Investigator	Office of Planning and Quality, KFUPM Fund: 38,800 SR	9 months; March 2006 – Jan. 2007	Completed

#	Project Title	Role	Funding Agency	Duration	Status
8.	The Mutable Building Envelope: Seasonable Appearances	Principal Investigator	Innovation Grants, College of Environmental Design (CED), KFUPM Fund: 14,600 SR	4 months; June- Oct. 2005	Completed & received the College Innovation Award
9.	Life Cycle modeling and Design Knowledge Development in Virtual Environments.	Project Manager	CRC: Cooperative Research Centre for Construction Innovation, Australia. Fund: 320,000 AUD\$	3 years (2002- 2004)	Completed
10.	Intelligent Agents for Concept Invention of Design Forms	Chief Investigator	ARC Discovery Projects, Australian Research Council, Australia Fund: AUD\$ 92,000.00	2 years (2003-2004)	Completed
11.	A Prototype of Concept-Invention Agents to support Design Creativity	Chief Investigator	SESQUE Grant, University of Sydney, Australia Fund: AUD\$ 13,000.00	1 year, (2002)	Completed

XI. Publications



Prof. Rabee M. Reffat
 Professor of Architecture and Digital Technologies, Assiut University, Egypt
[Architecture](#), [Creativity](#), [Artificial Intelligence](#), [Virtual Environments](#), [Sustainability](#)
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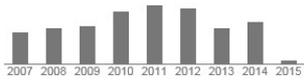
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R Reffat

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Citation indices	All	Since 2010
Citations	354	171
h-index	9	6
i10-index	8	3



Books & Edited Conference Proceedings	Book Chapters	International Refereed Journal Papers	International Refereed Conference Papers	Publications in Arabic Language
4	4	12	66	5
83				

Books & Edited Conference Proceedings

- Reffat, R. M.** “*Computational Situated Learning in Architectural Designing*”, LAP LAMBERT Academic Publishing, 168 pages, ISBN: 978-3659423505, (2013).
- Sidawi, B., **Reffat, R. M.**, Elmarsafawy, H., El-Wageeh, S. and Bennadji, A. (Eds.), CAAD| Innovation | Practice, Proceedings of the 5th International Conference of ASCAAD (Arab Society of Computer Aided Architectural Design), The Kingdom University, Manama, Bahrain,, ISBN 978-99958-2-063-3., (2012).
- Bennadji, A., Sidawi, B. and **Reffat, R. M.** (Eds.), “*CAAD| Cities| Sustainability*”, Proceedings of the 5th International Conference of ASCAAD (Arab Society of Computer Aided Architectural Design), Fez Architecture National School, Morocco, Robert Gordon University, Aberdeen (2010).
- Reffat, R. M.**, (Editor), “*e-Design in Architecture,*” Conference Proceedings of ASCAAD First International Conference, KFUPM Press, KFUPM, Dhahran, Saudi Arabia (2004), 418 pages, ISBN 9960-07-213-4.

Book Chapters

- Reffat, R. M.** “*Essentials for Developing a Prosperous Knowledge City*”, in Metaxiotis, F. J. Carrillo & T. Yigitcanlar, Knowledge-Based Development for Cities and Societies: Integrated Multi-Level Approaches, IGI Global, Hershey, PA, (2010), pp. 118-130.
- Reffat, R. M.** and Gero, J. S. “*Life Cycle Modelling and Design Knowledge Development in Virtual Environments,*” in Peter Newton, Keith Hampson and Robin Drogemuller (eds), Technology, Design and Process Innovation in the Built Environment, Spon Press, London (2009), pp. 393-406.

3. **Reffat, R. M.**, "The Realm of Information Technology in Architectural Education: A Partnership Approach", in A. Salama and N. Wilkinson (eds), *Design Studio Pedagogy: Horizons for the Future*, The Urban International Press, Gateshead,UK, (2007), pp. 313-323.
4. **Reffat, R. M.**, "*Three-dimensional CAD Models: Integrating Design and Construction*," in R. Best and G. de Valence (eds), *Innovation in Design and Construction: Building in Value*, Butterworth Heinemann, Oxford (2002), pp. 291-305, ISBN 0 7506 51490.

International Refereed Journal Papers

5. **Reffat, R. M.**, A Virtual Platform for Improving Coordination and Promoting Cooperation on Traffic Safety: Towards a Sense of Community Partnership and Shared Responsibility, **International Journal of Transportation Science and Technology**, 3(1): (2014), pp. 43-62.
6. **Reffat, R. M.**, An Intelligent Computational Real-Time Virtual Environment Model for Efficient Crowd Management", **International Journal of Transportation Science and Technology**, 1(4): (2012), pp. 265-378.
7. **Reffat, R. M.**, Integrating Intelligent Building Technologies: A Means for Fostering Sustainability, **Journal of King Saud University - Architecture and Planning**, Vol. 24, No. 2, (2012), pp. 1-13.
8. **Reffat, R. M.**, Khaeruzzaman, Y., El-Sebakhy, E. and Raharja. P. Augmentation of Real-Time 3D Virtual Environments for Architectural Design at the Conceptual Stage, **Journal of Information Technology in Construction**, Vol. 13: (2008), pp. 553-563, Special Issue: Virtual and Augmented Reality in Design and Construction, <http://www.itcon.org/2008/34>.
9. **Reffat, R. M.**, Digital Architecture and Reforming the Built Environment, **Journal of Architecture and Planning Research** (Thomson Scientific ISI®), 25 (2), (2008), P. 118-129.
10. **Reffat, R. M.**, Revitalizing architectural design studio teaching using ICT: Reflections on practical implementations, **International Journal of Education and Development using Information and Communication Technology**, Vol. 3, No. 1 (2007), <http://ijedict.dec.uwi.edu/viewarticle.php?id=276&layout=html>
11. **Reffat, R. M.**, Application of an Alternative Teaching Model in a Virtual Architectural Design Studio: Impacts and Constraints, **Open House International** (Thomson Scientific ISI®), Vol. 37, No. 3 (2006), pp 77-84.
12. **Reffat, R. M.**, Computing in Architectural Design: Reflections and an Approach to New Generations of CAAD, **Journal of Information Technology in Construction**, Vol. 11 (2006), pp. 655-668, <http://www.itcon.org/2006/45>
13. **Reffat, R. M.**, Developments of e-Learning in Design and Architectural Education, **Malaysian Journal of Distance Education**, Vol. 8 (1) (2006), pp 71-87.
14. Gero, J. S. and **Reffat, R. M.**, Multiple Representations as a Platform for Situated Learning Systems in Designing, **Knowledge-Based Systems** (Thomson Scientific ISI®), Vol. 14, No. 7 (2001), pp. 337-351.
15. **Reffat, R. M.** and Harkness, E. L., Environmental Comfort Criteria: Weighting and Integration, **Journal of Performance and Constructed Facilities** (Thomson Scientific ISI®), Vol. 15, No. 3 (2001), pp. 104-108.

16. **Reffat, R. M.** and Harkness, E. L., An Expert System for Environmental Quality Evaluation, *Journal of Performance and Constructed Facilities* (Thomson Scientific ISI®), Vol. 15, No. 3 (2001), pp. 109-114.

International Refereed Conference Papers

1. **Reffat, R. M.** "Hospitals of the Future using Advanced Technologies", Second Saudi Forum for Planning and Design of Hospitals: Constants and Variables in Hospitals Planning and Design, (2014), Riyadh, Saudi Arabia.
2. **Reffat, R. M.**, "Invigorating Public Engagement with Cultural Heritage Using Pervasive Computing: A Potential Application to the Holy City of Madinah", *Proceedings of the Third National Built Heritage Forum, Research & Heritage: Research Papers on Architectural Heritage*, Saudi Commission for Tourism and Antiquities, Al Madinah Al Munawarah, Saudi Arabia, (2013), pp. 56-71.
3. **Reffat, R. M.**, "A Virtual Platform for Improving Coordination and Promoting Cooperation on Traffic Safety: Towards a Sense of Community Partnership and Shared Responsibility", *Proceedings Book of the Second Forum of Traffic Safety*, College of Architecture and Planning, Dammam, Saudi Arabia, (2013), pp. 170-183.
4. **Reffat, R. M.** and Nofal, E. M. "Effective Communication with Cultural Heritage using Virtual Technologies", *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XL-5/W2, XXIV International CIPA Symposium*, (2013), Strasbourg, France, pp. 519-524.
5. **Reffat, R. M.** and Eid, M. A. "Best Practices for Planning and Designing Sustainable Green Hospitals", First Saudi Forum for Planning and Design of Hospitals: New Theoretical & Technical Trends in Health Facilities Design, (2013), Riyadh, Saudi Arabia.
6. **Reffat, R. M.**, "Using Interactive and Intelligent Technologies for Fostering Public Awareness of Cultural Heritage", *Proceedings of the 3rd International Architectural Conservation Conference*, Dubai Municipality, Dubai, UAE, (2012).
7. **Reffat, R. M.**, Radwan, A. M. and Eid, M. A., "A utilization approach of BIM for integrated design process", in Gudnason, G. and Acherer, R. (eds.), *eWork and eBusiness in Architecture, Engineering and Construction*, ECPPM 2012, CRC Press, (2012), pp. 535-546.
8. **Reffat, R. M.**, "A Model for Community Engagement in Participatory Design and Planning using 3D Real-time Multi-user Virtual Environments", *Proceedings of the 7th Municipal Conference*, Manama, Bahrain, (2012).
9. **Reffat, R. M.**, "A Framework for Developing an intelligent Computational Real-Time Virtual Environment Model for Efficient Crowd Management in Hajj (Pilot Case: Nafrah of Pilgrims from Arafat)", *Proceedings Book of the First Forum of Traffic Safety*, College of Architecture and Planning, Dammam, Saudi Arabia, (2011), pp. 150-161.
10. **Reffat, R. M.**, "Enriching the Restoration and Utilization of Architectural Heritage Sites: An Augmented Reality Approach (Makkah Al-Mukarramah as a case study)", *Proceedings of the National Built Heritage Forum, Research & heritage: Research Papers on Architectural Heritage*, Saudi Commission for Tourism and Antiquities, Jeddah, Saudi Arabia, (2011), pp. 115-129.

11. **Reffat, R. M.**, Abdou, A. A. and Hamid, S. M., "Towards a Low-Energy Architecture using Design-based Strategies for Energy-Efficient Building Envelope in Hot-Humid Climate", *Proceedings of the 3rd International Conference on Applied Energy, Energy Solutions for a Sustainable World*, University of Perugia, Perugia, Italy, (2011), pp. 1413-1420
12. **Reffat, R. M.**, "Impact Analysis of Digital-based Architecture Curriculum on Students' Learning", *Proceedings of the 16th International Conference on Computer-Aided Architectural Design Research in Asia*, Circuit Bending, Breaking and Mending, University of Newcastle, Newcastle, Australia, (2011), pp. 609-618.
13. **Reffat, R. M.**, "Identification of Market Requirements of Smart Buildings Technologies for High Rise Office Buildings", *Proceedings of the 10th International Conference for Enhanced Building Operations (ICEBO 2010)*, Kuwait Institute for Scientific Research, Kuwait, (2010).
14. **Reffat, R. M.**, "Shaping the Future of Property Development: The Green Architecture Approach", *Proceedings of the 1st Built Environment Development Symposium: Real Estate and Housing Sustainability*, Dammam University, Dammam, (2010).
15. **Reffat, R. M.**, "A Decision Support System of Discovering Architectural Patterns using Data Mining", *Proceedings 10th International Conference on Design & Decision Support Systems in Architecture and Urban Planning*, Eindhoven University of Technology, Eindhoven, The Netherlands, (2010), pp. 603-615.
16. **Reffat, R. M.**, "Utilization of Digital Technologies for Enriching Heritage Cities: The Holy City of Madinah as an Example", *Proceedings of the First International Conference for Urban Heritage In the Islamic Countries (UHIC)*, Riyadh, Saudi Arabia (2010).
17. **Reffat, R. M.**, "Fostering e-Services in Architecture and Construction using the Building Information Model", *Proceedings of the 5th e-Services Symposium in The Eastern Province of Saudi Arabia: Comprehensive eServices: Challenges and Successes*, Khobar, Saudi Arabia (2010).
18. **Reffat, R. M.**, "Integrating Intelligent Building Technologies: A Means for Fostering Sustainability", *The International Conference on Technology and Sustainability in the Built Environment*, Faculty of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia, (2010), pp. 459-478. (**Best Paper Award**)
19. **Reffat, R. M.**, "A Design Decision Support System using Intelligent Agents", *The 6th Symposium on Decision Technology and Intelligent Information Systems, INTERSYMP 2009, 21st International Conference on Systems Research, Informatics and Cybernetics*, Baden-Baden, Germany, (2009), pp. 74-78.
20. **Reffat, R. M.**, (2008), "Investing in the Future: A Model for Developing Prosperous Knowledge Cities", *Proceedings of the 3rd International Symposium on Knowledge Cities: Future of Cities in the Knowledge Economy*, Arab Urban Development Institute, Istanbul, Turkey.
21. **Reffat, R. M.** and Khaeruzzaman, Y. "Multi-Agents System for Supporting Architectural Design within Virtual Environments", *Proceedings of the 8th International Conference on Construction Applications of Virtual Reality*, Kuala Lumpur, Malaysia (2008).
22. **Reffat, R. M.**, "Investigating Patterns of Contemporary Architecture using Data Mining Techniques", *Proceedings of the 26th Conference on Education of Computer Aided Architectural Design in Europe (eCAADe)*, Antwerpen, Belgium (2008), pp. 601-608.

23. **Reffat, R. M.**, Khaeruzzaman, Y. and Raharja, P. "*Semantic-based Design Agents in Virtual Environments*", Proceedings of Symposium on Intelligent Software Tools and Services, INTERSYMP 2008, 20th International Conference on Systems Research, Informatics and Cybernetics, Baden-Baden, Germany, (2008).
24. **Reffat, R. M.**, "*Transformations in Architecture within the Concurrence of Digitization and Globalization*", International Symposium on Architecture of 21st Century: In Search of New Paradigms, INTERSYMP 2008, 20th International Conference on Systems Research, Informatics and Cybernetics, Baden-Baden, Germany, (2008).
25. **Reffat, R. M.**, "*Towards Creative Design Approaches for Affordable Housing Neighborhoods*", Proceedings of the 2nd Symposium of Charitable and Affordable Housing in Saudi Arabia: Creative Solutions, Khobar, Saudi Arabia (2008).
26. **Reffat, R. M.**, (2008), "Enriching Tourism Awareness Using Virtual Reality", *Proceedings of the Gulf Tourism & Community Forum 1*, Madinah, Saudi Arabia.
27. **Reffat, R. M.**, Khaeruzzaman, Y., El-Sebakhy, E., and Raharja, P., (2008), "Interactive Architectural Compositions in 3D Real-time Virtual Environments", *Proceedings of the 13th International Conference on Computer Aided Architectural Design Research in Asia*, Chiang Mai, Thailand, pp. 587-593.
28. **Reffat, R. M.**, "*A Strategic Approach for Municipal eServices: The Case of Building Development Divisions*", Proceedings of the 3rd eServices Symposium in The Eastern Province of Saudi Arabia: The Future of eServices: The Next Step?, Khobar, Saudi Arabia (2008).
29. **Reffat, R. M.**, "*Planning for Effective utilization of Information Technology in Architectural Design Education*", Proceedings of the 2nd Conference on Planning & Development of Education and Scientific Research in Arab States: Towards Building a Knowledge Society (2008), King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, pp. 897-907.
30. **Reffat, R. M.**, (2007), "An Integration System for Improving the Utilization of Smart Building Technologies", *Proceedings of the International Conference on Intelligent Systems, Structures and Facilities (ISSF2007): Frontier in Intelligent, Green and Energy Efficient Buildings*, Asian Institute of Intelligent Buildings & Department of Building and Construction, City University of Hong Kong, Hong Kong.
31. **Reffat, R. M.** and Hamid, S., "*Guidelines for Incorporating Smart Building Technologies in the Design Brief*," Proceedings of the International Conference on Intelligent Systems, Structures and Facilities (ISSF2007): Frontier in Intelligent, Green and Energy Efficient Buildings, Asian Institute of Intelligent Buildings & Department of Building and Construction, City University of Hong Kong, Hong Kong (2007).
32. **Reffat, R. M.**, "*Emergence of new forms in digital architectural design*", Proceedings of the Conference on Sources of Architectural Form: Theory and Practice, Kuwait University, Kuwait (2007), pp. 523-531.
33. **Reffat, R. M.**, "*Development of Knowledge-Based Cities: The Information Technology Spine for Cities in Transition*", Proceedings of the 2nd International Symposium on Knowledge Cities: Future of Cities in the Knowledge Economy, Arab Urban Development Institute, Shah Alam, Selangor, Malaysia (2007).

34. **Reffat, R. M.**, "A computational system for enriching discovery in architectural design," Proceedings of the 11th International Conference on Computer Aided Architectural Research in Asia (**CAADRIA 2006**): Rhythm and Harmony in the Bit-Sphere, Kumamoto, Japan (2006), pp. 169-177.
35. **Reffat, R. M.**, "Developments of e-learning in design and architectural education," CD Proceedings of the International Conference of Distance Education (ICODE2006), Muscat, Oman (2006).
36. **Reffat, R. M.**, "Fostering community participation in the development of sustainable housing development using virtual environments," Symposium of Charitable and Affordable Housing in Saudi Arabia, Khobar, Saudi Arabia, (2006).
37. **Reffat, R. M.**, "Collaborative digital architecture design teaching within virtual environments," Proceedings of the 10th International Conference on Computer Aided Architectural Research in Asia (CAADRIA 2005), New Delhi, India (2005), pp. 65-74.
38. **Reffat, R. M.**, "Utilizing virtual reality in the design and management of developing affordable housing," Symposium on Low Priced, Construction Systems and Patterns, Jordan (2005), pp. 37-50.
39. **Reffat, R. M.**, (2005), "Computing in architectural design: A reflective perspective", *Proceedings of the Sixth International Architectural Conference: Digital Revolution*, Assiut University, Assiut, Egypt, pp. 3-57:3-70.
40. **Reffat, R. M.**, and Gero, J., "A virtual mining environment for providing dynamic decision support for building maintenance," Proceedings of the 23rd Conference on Education of Computer Aided Architectural Design in Europe (**eCAADe2005**): Digital Design-The Quest for New Paradigms, Lisbon, Portugal (2005), pp. 589-596.
41. **Reffat, R. M.**, (2005), "Virtual Architectural Design Studio: A Collaborative Architectural Education Platform", *UIA 2005 ISTANBUL XXII World Congress of Architecture - Cities: Grand Bazaar of Architecture*, Istanbul, Turkey, p. 232.
42. **Reffat, R. M.**, Gero, J. and Peng, W., "Using data mining on building maintenance during the building life cycle," Proceedings of the 38th Australian & New Zealand Architectural Science Association (**ANZASCA 2004**) Conference, School of Architecture, University of Tasmania, Tasmania, Australia (2004), pp. 91-97.
43. **Reffat, R. M.**, Gero, J. and Peng, W., "Improving the management of building life cycle: A data mining approach," CRC Research Conference, Brisbane, Australia, (2004).
44. **Reffat, R. M.**, "Sustainable construction in developing countries," CD Proceedings of Architectural International Conference, Cairo University, Egypt (2004).
45. **Reffat, R. M.**, "Sustainable Development of Buildings and Environment," Proceedings of the 2nd International Conference on Development and Environment, Assiut University, Egypt (2004), pp. 465-476.
46. **Reffat, R. M.**, and Beilharz, K., "A framework of semantic-based agents to support designing in virtual environments," Proceedings of The 10th International Multi-Media Modeling Conference, Brisbane, Australia (2004), pp. pp. 167-172.

47. Beilharz, K. and **Reffat, R. M.**, "Thematic Design and Efficiency in Virtual Environments Using Metaphors," The 10th International Multi-Media Modeling Conference, Brisbane, Australia (2004), pp. 371, (Best Poster Award).
48. **Reffat, R. M.**, "Architectural Exploration and Creativity using Intelligent Design Agents," Proceedings of the 21st Conference on Education of Computer Aided Architectural Design in Europe (**eCAADe2003**): Digital Design, Graz, Austria (2003), pp 181-185.
49. **Reffat, R. M.**, "Semantic-Based Virtual Design Environments for Architecture", Proceedings of the 21st Conference on Education of Computer Aided Architectural Design in Europe (**eCAADe2003**): Digital Design, Graz, Austria (2003), pp 133-140.
50. **Reffat, R. M.**, and Beilharz, K. "A new perspective of transforming the use of CAAD in designing the built environment," Proceedings of the 37th Australian & New Zealand Architectural Science Association (**ANZASCA 2003**) Conference, Faculty of Architecture, University of Sydney, Australia (2003), pp. 494-50.
51. **Reffat, R. M.**, "Developing a successful e-Government", in the proceedings of the Symposium on e-Government: Opportunities and Challenge, Muscat Municipality, Oman (2003), pp. IV1-IV13.
52. **Reffat, R. M.**, "Intelligent Agents for concept invention in design," in Gero J. S. and Brazier, F. (eds), International Workshop on Agents in Design, Massachusetts Institute of Technology, Cambridge, MA, USA (2002), pp.55-68.
53. **Reffat, R. M.**, "Designing with computers in a paperless design computing studio", in Eshaq, A., Khong, C., Neo, M., Ahmad, S. (eds), Proceedings of the 7th International Conference on Computer Aided Architectural Design Research in Asia (**CAADRIA**), Prentice Hall, New York (2002), pp. 347-354.
54. **Reffat, R. M.**, "Utilization of artificial intelligence concepts and techniques for enriching the quality of architectural design artifacts", Proceedings of the International Conference in Information Systems, Department of Computer Science, Cairo University, Egypt (2002), pp. CS5:1-13.
55. **Reffat, R. M.**, "Can intelligent agents invent creative concept, Proceedings of International Conference on Intelligent Agents," Conference Proceedings of the Web Technologies and Internet Commerce -**IAWTIC'2001**, Las Vegas, USA (2001), pp. 249-257.
56. **Reffat, R. M.**, (2001), "Using computers in exploring architectural shapes", First International Symposium on Computer & Information Technology Applications in Architectural Education & Practice, Irbid, Jordan
57. Gero, J., Maher, M. and **Reffat, R. M.**, "Educational and research directions in design computing and virtual architecture," Proceedings of the International Symposium on Computer & Information Technology Applications in Architectural Education & Practice, Irbid, Jordan (2001).
58. **Reffat, R. M.** and Gero, J. S., "Towards active support systems for architectural designing," in D. Donath (ed.), Proceedings of the 18th Conference on Education of Computer Aided Architectural Design in Europe (**eCAADe2000**): Promise and Reality, Bauhaus Universitat, Weimar (2000), pp. 143-147.
59. **Reffat, R. M.** and Gero, J. S., "Computational situated learning in design", in Gero, J. S. (ed.), **Artificial Intelligence in Design'00**, Kluwer, Dordrecht (2000), pp. 589-610.

60. **Reffat, R. M.** and Gero, J. S., "*Situatedness: A new dimension for learning systems in design*," in A. Brown, M. Knight and P. Berridge (eds), *Architectural Computing from Turing to 2000*, **eCAADe17**, University of Liverpool, Liverpool (1999), pp. 252-261.
61. **Reffat, R. M.** and Gero, J. S., "*Learning about shape semantics: A situated learning approach*," in T. Sasada, S. Yamaguchi, M. Orozumi, A. Kaga, R. Homma (eds), *Computer Aided Architectural Design Research in Asia (CAADRIA'98)*, CAADRIA, Kumamoto, Japan (1998), pp. 375-384.
62. Gero, J. S. and **Reffat, R. M.**, "*Multiple representations for situated agent-based learning*," in B. Verma and X. Yao (eds), *International Conference on Computational Intelligence and Multimedia Applications (ICCIMA'97)*, Griffith University, Gold Coast, Queensland, Australia (1997), pp. 81-85.
63. **Reffat, R. M.**, "*Towards an interactive knowledge based system for building design*," **2nd International Architectural Conference**, Department of Architecture, Faculty of Engineering, Assiut University, Assiut, Egypt (1995).
64. **Reffat, R. M.** and Aref, M., "A knowledge-based system for comfort analysis of internal environments of hotels," **Conference Proceedings of Creating Environment for Tourism**, Las Vegas University, Nevada, USA (1994), pp. 394-405.
65. **Reffat, R. M.** and Gabr, M., "Wayfinding design as an approach for building design," **Conference Proceedings of Creating Environment for Tourism**, Las Vegas University, Nevada, USA (1994), pp. 406-409.
66. Shash, A. and **Reffat, R. M.**, "*Expert system as a proficient tool for computer aided design and evaluation for housing projects*," **Proceedings of the 22nd International IHAS Symposium on Housing Construction and Financing**, Salzburg, Austria (1994).

Conference Publications in Arabic Language

1. **Reffat, R. M.**, "*Information and communication technology as a catalyst for urban development: Opportunities and challenges of Arab cities*", Proceedings of the Conference on The Role of Technology in Supporting Comprehensive Urban Development of Arab Cities, Arab Urban Development Institute, Marrakesh, Morocco (2007).
2. **Reffat, R. M.**, "*The role of intelligent building technologies in supporting the formation of knowledge cities*," Proceedings of the Symposium on Knowledge Cities, Arab Urban Development Institute, Al-Madeina Al-Munawara, Saudi Arabia, (2005), pp. 49-62.
3. **Reffat, R. M.**, "*The future of traditional Arabian city center in the digital age between restoration and reutilization*," Proceedings of the Future of Traditional Arabian City Center Symposium, Arab Urban Development Institute, Homs, Syria (2004), pp. 61-79.

Magazine Articles in Arabic

4. **Reffat, R. M.**, "*Artificial Intelligence between Imagination and Reality*," Architect Magazine, Issue 3, Department of Architecture, Faculty of Engineering, Assiut University, Egypt (1995).
5. **Reffat, R. M.**, "*Construction technology in Riyadh Bridge*," Architect Magazine, Issue 1, Department of Architecture, Faculty of Engineering, Assiut University, Egypt (1992).

XII. Master and Doctoral Students Supervision

- **Master Theses Supervision** since May 2005: (Role: Member)
 - Nagib Al-Ashwal (Architectural Engineering Department, KFUPM); Thesis Topic: "Windows Design to Optimize Daylighting and Energy Conservation in Office Buildings in Hot Humid Climate"; M.Sc. Thesis completed 2008).
- **Doctoral Theses Supervision** 2002-2003: (Role: Principal Supervisor)
 - Chau Giang; (University of Sydney; PhD Thesis: "Intelligent Designing Agents for Computational Creativity")
- **Doctoral Theses Supervision** 2002-2003: (Role: Associate Supervisor)
 - Julie Jupp (University of Sydney; PhD Thesis completed 2006); "Diagrammatic reasoning in design: computational and cognitive studies in similarity assessment", Role: Associate Supervisor.
 - Gregory Smith (University of Sydney; PhD Thesis completed 2004); Thesis: "Design agents and situated interpretation"; Role: Associate Supervisor.

XIII. Conference Organization

- **Vice Chair**, Fifth International Conference on Design Computing and Cognition (DCC'12), Design Computing and Computing Conference 2012, (7-9 June 2012), Texas A&M University, College Station, Texas USA
- **Vice Chair**, Fourth International Conference on Design Computing and Cognition (DCC'10), Design Computing and Computing Conference 2010, Stuttgart, Germany, (July 2010), July 2010.
- **Co-Chair**, Infrastructure & Property Development Summit MEA 2010, Dubai, Marcus Evans, UAE (2010).
- **Scientific Committee Member**, 5th eServices Symposium in The Eastern Province of Saudi Arabia: Comprehensive e-Services, Khobar, Saudi Arabia (2010).
- **Member of the MAKCi 2009 Panel of Experts** (Most Admired Knowledge City (MAKCi) Awards, World Capital Institute (2009)
- **Editorial Member and Reviewer**, International Journal of Architectural Research (2009).
- **Scientific Committee Member**, 4th eServices Symposium in The Eastern Province of Saudi Arabia: Integrated e-Services, Khobar, Saudi Arabia (2009).
- **Vice Chair**, Third International Conference on Design Computing and Cognition (DCC'08), Georgia Institute of Technology, Atlanta, Georgia, June 2008.
- **Member**, Best paper award committee in CAADRIA 2008, Chiang Mai, Thailand.
- **Session Chair** at the CAADRIA 2008 Conference: Chiang Mai, Thailand (April 1, 2008).

- **Vice Chair**, Design Computing and Computing Conference, July 2006, Technical University of Eindhoven, Netherlands.
- **Session Chair** at the CAADRIA 2006 Conference: Kumamoto University, Japan (April 1, 2006).
- **Member**, Best presentation award committee in CAADRIA 2006, Kumamoto, Japan.
- **Member**, organizing committee of the regional workshop in e-learning in higher education held at KFUPM in March 2006.
- **Session Chair** at the CAADRIA 2005 Conference: Habitat Center, New Delhi, India (April 18, 2005).
- **Member** of the Best presentation award committee in CAADRIA 2005, New Delhi, India.
- **Chair of Scientific Committee** and **Editor**, First International Conference of the Arab Society of Computer Aided Architectural Design (ASCAAD), February 2005.
- **Vice Chair**, International Conference of Design Computing and Cognition, to be held at the Massachusetts Institute of Technology (MIT), Cambridge, MA, USA, 19-21 July 2004.
- **Session Chair**, International Workshop of Intelligent Agents in Design, Faculty of Architecture, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA, 28 August 2002.
- **Chair of General Discussion Session**, International Workshop of Intelligent Agents in Design, Faculty of Architecture, Massachusetts Institute of Technology (MIT), Boston, MA, USA, 28 August 2002.
- **Session Chair** at the CAADRIA 2001 Conference: Faculty of Architecture, University of Sydney, Sydney, Australia (April 20, 2001).

XIV. Review of Technical Papers, Proposals and Reports

- **Reviewer**, 31st eCAADe conference - 2013 (Education of Computer Aided Architectural Design in Europe), TUDelft, (Netherlands), [September 2013].
- **Reviewer**, 30th eCAADe conference - 2012 (Education of Computer Aided Architectural Design in Europe), (Prague), [September 2012].
- **Reviewer**, 29th eCAADe conference - 2011 (Education of Computer Aided Architectural Design in Europe), (Ljubljana), [September 2010].
- **Reviewer**, First and Second Forum of Traffic Safety, College of Architecture and Planning, Dammam, Saudi Arabia, [2011, 2013].
- **Reviewer**, Journal of King Saud University (Architecture and Planning), [2010].
- **Reviewer**, 5th ASCAAD Conference – 2010 (Arab Society for Computer Aided Architectural Design), Fez, Morocco [October 2010].
- **Reviewer**, 10th International Conference for Enhanced Building Operations, Kuwait [October 2010].
- **Reviewer**, 28th eCAADe conference - 2010 (Education of Computer Aided Architectural Design in Europe), ETH Zurich (Switzerland), [September 2010].

- **Reviewer**, Design Computing and Computing Conference 2010, Stuttgart, Germany, (July 2010).
- **Reviewer**, First International Conference for Urban & Architecture Heritage in Islamic Countries, organized by the Saudi Commission for Tourism and Antiquities, Riyadh, Kingdom of Saudi Arabia [May 2010].
- **Reviewer**, 15th International CAADRIA Conference "New Frontiers", Chinese University of Hong Kong [April 2010].
- **Reviewer**, 8th International Architectural Conference in Assiut, Assiut University, Egypt [April 2010].
- **Reviewer**, 5th eServices Symposium in The Eastern Province of Saudi Arabia: Comprehensive e-Services, Dammam, Saudi Arabia [March 2010].
- **Reviewer**, Conference on Technology & Sustainability in the Built environment, King Saud University, Riyadh, Saudi Arabia [January 2010].
- **Reviewer**, SIGraDi 2009 conference - Iberoamerican Society of Digital Graphics (SIGraDi), São Paulo, Brazil [2009].
- **Reviewer**, 27th eCAADe conference - 2009 (Education of Computer Aided Architectural Design in Europe), Istanbul, Turkey [2009].
- **Reviewer**, 4th eServices Symposium in The Eastern Province of Saudi Arabia: Integrated e-Services, Dammam, Saudi Arabia [2009].
- **Reviewer**, (Project Proposal), Deanship of Scientific Research, King Abdul-Aziz University, Jeddah, Saudi Arabia [2009].
- **Reviewer**, (Project Proposal), King Abdul-Aziz City of Science and Technology (KACST), Riyadh, Saudi Arabia [2009].
- **Reviewer**, (Project Proposal), Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia [2009].
- **Reviewer**, Journal of King Saud University (Architecture and Planning), [2009].
- **Reviewer**, Faculty of Engineering Journal, Assiut University, Egypt [2009].
- **Reviewer**, 4th ASCAAD Conference – 2009 (Arab Society for Computer Aided Architectural Design), Bahrain [2009]
- **Reviewer**, Journal of Information Technology in Construction [2008].
- **Reviewer**, Building Technology Journal, Ministry of Municipal & Rural Affairs, Saudi Arabia [2008].
- **Reviewer**, Scientific Journal of King Faisal University, Dammam, Saudi Arabia [2008].
- **Reviewer**, Faculty of Engineering Journal, Assiut University, Egypt [2008].
- **Reviewer**, International Journal of Architectural Research, [2008].
- **Reviewer** (Research Project Proposal), Sultan Qabos University, Oman [2008].
- **Reviewer** (Research Project Proposal), Technology Foundation, Netherlands [2008].
- **Reviewer**, 26th eCAADe conference - (Education of Computer Aided Architectural Design in Europe), Belgium (September 2008).
- **Reviewer**, Design Computing and Computing Conference, Georgia Institute of Technology, Atlanta, Georgia (June 2008).
- **Reviewer**, 2nd Symposium of Charitable and Affordable Housing in Saudi Arabia, Khobar, Saudi Arabia, (April 2008).

- **Reviewer**, 3rd eServices Symposium in The Eastern Province of Saudi Arabia: The Future of eServices: The Next Step, Khobar, Saudi Arabia (February 2008).
- **Book Reviewer**, King Abdul-Aziz City of Science and Technology, Riyadh, Saudi Arabia [2007]
- **Reviewer**, Deanship of Academic Development, Online Course Development Grants, KFUPM, Saudi Arabia, 2004-2007.
- **Reviewer**, Fast Track Research Proposal, Deanship of Scientific Research, KFUPM, Saudi Arabia, 2004-2007.
- **Reviewer**, 25th eCAADe conference - (Education of Computer Aided Architectural Design in Europe), Germany (2007).
- **Reviewer**, Housing Symposium III, Riyadh, Saudi Arabia (2007).
- **Reviewer**, 24th eCAADe conference - (Education of Computer Aided Architectural Design in Europe), Greece (2006).
- **Reviewer**, Design Computing and Computing Conference, Technical University of Eindhoven, Netherlands (July 2006).
- **Reviewer**, The First Symposium of Charitable and Affordable Housing in Saudi Arabia, Khobar, Saudi Arabia (2006).
- **Reviewer**, Building Technology Journal, Ministry of Municipal & Rural Affairs, Saudi Arabia (2006).
- **Reviewer**, University of Sharjah Journal, Sharjah, UAE (2006).
- **Reviewer**, Arab Society of Computer Aided Architectural Design Conferences, American University of Sharjah, UAE (2006 & 2007).
- **Reviewer** for the 23rd eCAADe conference - (Education of Computer Aided Architectural Design in Europe), Lisbon, Portugal (2005).
- **Reviewer**, International Conference of Design Computing and Cognition, Massachusetts Institute of Technology (MIT), Cambridge, MA, USA (July 2004).
- **Reviewer**, Fifth International Architectural Conference in Assiut, Assiut University, Egypt (February 2003).

XV. University Administration Services

- Member, KFUPM Scientific Council, King Fahd University of Petroleum & Minerals (KFUPM), Saudi Arabia (2008-2011)
- Chair, Al-Saedan Chair on Affordable Housing, College of Environmental Design, KFUPM, Saudi Arabia (2007-2010)
- Member, Research Committee, Deanship of Scientific Research, KFUPM, Saudi Arabia (2007-2008)
- Member, Academic Development Committee (DAD), KFUPM, Saudi Arabia (2007-2008)

- Member, e-Learning Center Committee (e-Learning Center), KFUPM, Saudi Arabia (2006-2007)
- Member, Personal Skills Committee, KFUPM, Saudi Arabia (2005-2007)
- Chair, Information Technology Committee, College of Environmental Design, KFUPM, Saudi Arabia (2004-2011).