



Fahad Allahaim

Curriculum Vitae

Fahad Allahaim

Ph.D. (Arch. & Eng. Eco.)
M.S. (Bldg Serv. & F.M.)
B.S. (Arch. & Bldg Sci.)

Assistant Professor
Department of Architecture & Building Science.
College of Architecture and Planning.
King Saud University.
email: fahad.allahaim@gmail.com
Tel : (+966)1-430-0545
Mob: (+966)50-549-6813

PROFILE

My journey in both the academic and professional fields has evolved to challenge traditional boundaries between Architecture, Engineering and Economics. The research I have been involved in defines an interdisciplinary zone, within which opportunities, strategies, and intellectual foundations are developed. During my academic and professional career, I have participated in several papers, presentations, symposia, and workshops.

OBJECTIVE

My goal is not only to achieve educational labels such as "PhD" for their own sake, since I now understand that these are simply tools in achieving what I believe to be much grander goals. I hope the training and the scientific knowledge I acquired and will acquire along my journey can help me contribute to the world through continued discovery and innovative ideas.

EDUCATION

2011-2016

Ph.D. Architecture and Engineering Economist

School of Civil Engineering, Faculty of Engineering and IT, *The University of Sydney, Sydney, Australia.*

2011-2016

o **Research:**

- Understanding major causes of cost overrun for infrastructure projects: a typology approach
- An empirical typology of cost overrun in infrastructure projects by using cluster analysis
- Towards typology: cost overrun causes in infrastructure projects.
- Proposed Risk-Based Cost Contingency Estimation Model for Infrastructure Projects.
- Thesis title: Improving the cost forecasting accuracy through classification of main causes of cost overrun in infrastructure project – illustration using Saudi Arabia survey data.

2013

o **Achievements:**

- Awarded 3rd prize in 'Research Conversation 2013-for best research poster of complex system and project management', associated with AUD200 financial

	reward, for presenting a poster entitled: 'Towards typology: cost overrun causes in infrastructure projects.'
2009-2010	<p>Master of Design Science (Building Services and Facilities Management). <i>Faculty of Architecture, Design and Planning, The University of Sydney, Sydney, Australia.</i></p> <ul style="list-style-type: none"> ○ Research: <ul style="list-style-type: none"> - Master of Design Sciences "Building Services and Facility Management". - Thesis title: Design for change: The Adaptable Buildings Design (ABD) framework. ○ Achievements: <ul style="list-style-type: none"> - A certificate of the Dean's List of excellence in academic performance, from The Faculty of Architecture, Design and Planning, University of Sydney. - Obtained a range of academic distinction certificates, and certificates of appreciation for my academic performance in my Master Degree from The Saudi Arabian Culture Mission in Australia 2009-2010.
2010	
2010	
2009	
2009-2010	
1999-2004	<p>Bachelor of Science (Architecture & Building Science) <i>College of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia.</i></p> <ul style="list-style-type: none"> ○ Research: <ul style="list-style-type: none"> - Worked as a Research Assistance (RA) on the Temperature Range Phenomenon Project in Riyadh city. - Worked as a Research Assistance (RA) for the High Commission for the Development of Riyadh to present architectural designing concepts & suggestions for the benefit of a major Riyadh urban city centre. ○ Achievements: <ul style="list-style-type: none"> - Obtained a distinction & an Innovative Engineering prize at Al-Manama, Bahrain Kingdom (2005) for the Da'ar Alquran project in Riyadh.
2001	
2003	
2005	
2004	

2000-2004	<ul style="list-style-type: none"> - Obtained second position among the graduating batch from the Architectural and Building Sciences Department & College of Architecture & Planning, King Saud University. - Obtained a range of academic distinction certificates, and certificates of appreciation for my academic performance.
AWARDS	
2013	<ul style="list-style-type: none"> - Awarded 3rd prize in 'Research Conversazione 2013-for best research poster of complex system and project management', associated with AUD200 financial reward, for presenting a poster entitled: 'Towards typology: cost overrun causes in infrastructure projects'
2009	<ul style="list-style-type: none"> - A certificate of the Dean's List of excellence in academic performance, at The Faculty of Architecture, Design and Planning, University of Sydney.
2009-2010	<ul style="list-style-type: none"> - Obtained two academic distinction certificates, and certificates of appreciation for my academic performance in my Master Degree from The Royal Embassy of Saudi Arabia Culture Mission in Australia.
2005	<ul style="list-style-type: none"> - Obtained a distinction & an Innovative Engineering prize at Al-Manama, Bahrain Kingdom (2005) for the Da'ar Alquran project in Riyadh.
2004	<ul style="list-style-type: none"> - Obtained the second position among graduating batch from the Architectural and Building Sciences Department & College of Architecture & Planning, King Saud University.
2000-2004	<ul style="list-style-type: none"> - Obtained a range of academic distinction certificates, and certificates of appreciation for my academic performance in my Bachelor degree from King Saud University.

**PROFESSIONAL
EXPERIENCE
2017 - present**

Assistant professor

College of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia. www.ksu.edu.sa

○ **Responsibilities:**

- Worked as an Assistant professor at the College of Architecture and Planning.
- Followed up with students and showed ideas related to architecture in general with its technology, sustainability, economics and engineering.
- Supervise students and guide them for their undergraduate and postgraduate.
- Participate in many committees at the department.

2005 – 2017.

Lecturer & Teaching Assistance

College of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia. www.ksu.edu.sa

○ **Responsibilities:**

- Worked as a lecturer at the College of Architecture and Planning.
- Followed up with students and showed ideas related to architecture in general with its technology and other related fields.

○ **Achievements:**

- Awarded full scholarship by KSU to pursue graduate education.
- Obtained a certificate of appreciation for my participation in the college Continuity and Facilitation Show, held in Jeddah-Kingdom of Saudi Arabia.

2007

2006

**2007 - present
2005 – 2007**

Collaborator

Head of the Coordination Division

Joiner Architect

FA Consultants (Faris Alfaris Consultants), Riyadh, Saudi Arabia. www.faconsultants.net

○ **Responsibilities:**

- Assisted in the coordination of plans and designs.
- Helped monitor the flow of development activities to ensure completion of architectural work for new projects.

- Conducted studies and special projects on space planning, structural analysis, design feasibility and other related architectural engineering issues.
- Supported and assisted lead architects in all phases of major project.
- Performed an array of administrative duties related to architectural construction projects such as code and zoning research, reviewing contractor payments, monitoring project budget, and coordinating utility installations.

2010

o **Achievements:**

- Worked among the designing team for the offices building project, Riyadh, Saudi Arabia, Planet Hollywood.

2006

- Worked among the designing team for the offices building project, Riyadh, Saudi Arabia, Canary Centre.

2005

- Worked among the designing team for the offices building project, Riyadh, Saudi Arabia, Alkhorayef Head Quarters.

2005

- Worked on the development of a designing language. This language has been one of the designing office methods of Architectural Designing in Saudi Arabia. Working on experiments of designing building envelops (Second skin), as an environment treatment.

2004 – 2006

Project Manager Assistance (2005 -2006)

Engineer Assistance (2004)

The Saudi Company for Development of Al Moaigliya Commercial Centre (SCDMCC), Riyadh, Saudi Arabia.

o **Responsibilities:**

- Worked in the projects management department.
- Preparing information regarding design, specifications, materials and equipment.
- Drawing up costs, schedules and other elements associated with construction projects.
- Directing the production of construction documents, drawings and specifications.
- Coordinating schedules and workloads. Reviewing architectural documents for potential conflict with other disciplines.
- Acted as the leading coordinator of design problem-solving.
- Responsible for overseeing that all necessary testing was completed and subsequent information was reported.

<p>2006</p> <p>2005</p> <p>2005</p> <p>2004</p> <p>2004</p>	<ul style="list-style-type: none"> ○ Achievements: <ul style="list-style-type: none"> - Obtained promotions, bonuses and certificates of appreciation for the achieved work. - Redevelopment of Al Moaiglyia Commercial Center and Al Derah Commercial Centre. - Worked on the expansion of the Al Moaiglyia project Commercial Centre. Carried out of the project's designing, quantities, specifications and so forth. - Modified the building services from dwelling to trade activities, and studied the connections between the current building and the expansion. - Worked on the expansion of Al Derah Commercial Center, Riyadh, and studied the connections between the current building and the future expansion.
<p>May 2004 – August 2004</p>	<p>Engineer Assistance <i>Municipality of Riyadh Territory, Riyadh, Saudi Arabia</i></p> <ul style="list-style-type: none"> ○ Responsibilities: <ul style="list-style-type: none"> - Worked in the construction license administration. - The work domain concentrated on construction regulations, following up and checking the projects for conformity with construction regulations.
<p>PUBLICATION</p> <p>2005</p> <p>2010</p> <p>2010</p> <p>2012</p> <p>2013</p>	<ul style="list-style-type: none"> ▪ Allahaim F., (2005), <i>Da'ar Alquran in Riyadh project</i>. The Engineering Magazine (Arabic version). Saudi Council of Engineers. Issue No. 3, the 18th year. ▪ Allahaim F., (2010), <i>Design for Change: The Adaptable buildings Design (ABD) framework</i>. Master of Design Sciences Thesis, Faculty of Architecture, Design and Planning, The University of Sydney. ▪ Allahaim F., Alfaris A., and Leifer D., (2010), <i>Towards Changeability: The Adaptable building Design (ABD) framework</i>. The Fifth International Conference of Arab Society for Computer Aided Architectural Design (ASCAAD 2010), Fes, Morocco, October 19th to 21st, 2010. ▪ Allahaim, F. and Liu, L. (2012) 'Understanding major causes of cost overrun for infrastructure projects: a typology approach', <i>Proceedings of 37th Annual Conference of Australasian University Building Educators Association (AUBEA)</i>, 4-7 July 2012, University of New South Wales, Sydney, Australia, pp. 437-424. ▪ Allahaim, F. and Liu, L. (2013) 'Toward typology: cost overrun causes framework in infrastructure projects', <i>Proceedings of CIB World Building Congress 2013 (CIB WBC 2013)</i>, 5-9 May 2013, Queensland University of Technology, Brisbane, Queensland, Australia, pp. 103-116.

2013	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2013) 'Towards typology: cost overrun causes framework in large-scale projects', <i>5th Annual Student Research Conference Sustainable Technology in Engineering and IT</i>, University of New South Wales, September 2013.
2014	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2014) 'An empirical typology of cost overrun in infrastructure projects by using cluster analysis', <i>4th International Utzon Symposium</i>, 7-9 March 2014, Opera House, University of New South Wales, Sydney, Australia, available online on < http://www.be.unsw.edu.au/sites/default/files/upload/AP%20006%20ALLAHAIM%20%20(PR)%20FULL%20PAPER%20SUBMISSION2.pdf>
2016	<ul style="list-style-type: none"> ▪ Allahaim, F., Liu, L. and Kong, X. (Accepted) 'Developing a risk-based cost contingency estimation model based on the influence of cost overrun causes', <i>CIB World Building Congress 2016 (CIB WBC 2016)</i>, May 30 – June 3, 2016, Tampere, Finland.
2016	<ul style="list-style-type: none"> ▪ Allahaim, F., Liu, L. and Kong, X. (under review) 'Risk-Based Cost Contingency Estimation Model for Infrastructure Projects', <i>The 2016 AACE International Annual Meeting</i>, Toronto, Ontario, Canada, June 26-29, 2016.
Journals papers	
2015	<ul style="list-style-type: none"> ▪ Allahaim, F.S. and Liu, L. (2015) 'Causes of cost overruns on infrastructure projects in Saudi Arabia', <i>International Journal of Collaborative Enterprise</i>, Vol. 5, Nos. 1/2, pp.32–57.
2016	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. and Kong, X. (under review) 'Improving cost contingency estimation for infrastructure based on the impact of cost overrun causes of similar projects', <i>Journal of Engineering Economist</i>.
Research Posters	
2013	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2013) 'Towards typology: cost overrun causes framework in large-scale projects', <i>5th Annual Student Research Conference Sustainable Technology in Engineering and IT</i>, University of New South Wales, September 2013.
2013	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2013) 'Towards typology: cost overrun causes in infrastructure projects', <i>Research Conversazione</i>, School of Civil Engineering, University of Sydney, November 2013.
2014	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2014) 'Improving the cost forecasting accuracy through classification of main causes of cost overrun in infrastructure project – illustration using Saudi Arabia survey data', <i>KAUST-Sydney Joint Symposium: Enhancing Research Collaborations in Energy, Water and Materials</i>, KAUST, Thuwal, Jeddah, The Kingdom of Saudi Arabia, April 10-11, 2014.
2015	<ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2015) 'Risk-Based Cost Contingency Estimation Model for Infrastructure Projects', <i>Poster</i>

2015	<p>Presentation 2015, School of Civil Engineering, University of Sydney, October 30, 2015.</p> <ul style="list-style-type: none"> ▪ Allahaim, F. and Liu, L. (2015) 'Improving cost contingency estimation for infrastructure based on the impact of cost overrun causes of similar projects', 7th Annual Postgraduate Research Conference Beyond your higher degree by research - what does this prepare you for other than more research?, Faculty of Engineering and IT, University of New South Wales, November 19, 2015.
<p>RESEARCH PROJECT 2011 - 2013</p>	<p>SIRS. Sustainable infrastructure Rating System, Saudi Arabia. The SIRS will rate infrastructure projects on multiple criteria while taking into account the networked nature of infrastructures as well as their impact on the municipal, regional, national and international environment. This research project runs by the Centre for Complex Engineering Systems (CCES) at KACST and MIT, and I'm a member of the project team.</p>
<p>PROFESSIONAL DEVELOPMENT</p> <p>2016</p> <p>2014</p> <p>2014</p> <p>2013</p> <p>2012</p> <p>2010</p> <p>2010</p> <p>2005</p>	<ul style="list-style-type: none"> ▪ CIB World Building Congress 2016 (CIB WBC 2016), May 30 – June 3, 2016, Tampere, Finland ▪ KAUST-Sydney Joint Symposium: <i>Enhancing Research Collaborations in Energy, Water and Materials</i>, KAUST, Thuwal, Jeddah, The Kingdom of Saudi Arabia, April 10-11, 2014. ▪ <i>4th International Utzon Symposium</i>, 7-9 March 2014, Opera House, University of New South Wales, Sydney, Australia. ▪ <i>5th Annual Student Research Conference Sustainable Technology in Engineering and IT</i>, University of New South Wales, September 2013. ▪ <i>37th Annual Conference of Australasian University Building Educators Association (AUBEA)</i>, 4-7 July 2012, University of New South Wales, Sydney, Australia. ▪ The Fifth International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2010), Arab Society for Computer Aided Architectural Design, Fes, Morocco, October 2010. ▪ Conference On Technology & Sustainability in the Built Environment, College of Architecture and Planning, King Saud University, Riyadh, Riyadh, Saudi Arabia, January 2010. ▪ The Ninth edition of The Gulf Engineering Forum, Bahrain Council of Engineers, Al-Manama, Bahrain Kingdom, November 2005.

2004	<ul style="list-style-type: none"> ▪ The second Housing Symposium, High Commission for the Development of Riyadh, Riyadh, Saudi Arabia, June 2004.
2004	<ul style="list-style-type: none"> ▪ Professional Project Management (PMP), Saudi Human Resources Development Corporation & Saudi Council of Engineers December 2004.
2003	<ul style="list-style-type: none"> ▪ The National Architectural Heritage and The Ways to Maintain, Develop and Invest in Tourism, Saudi Commission for Tourism, Riyadh, Saudi Arabia, November 2003.
2002	<ul style="list-style-type: none"> ▪ Urban development in the desert areas and the problems of construction, Ministry of Public Works and Housing, Riyadh, Saudi Arabia, June 2002.
2000	<ul style="list-style-type: none"> ▪ The Fourth edition of The Gulf Engineering Forum, Saudi Council of Engineers, Riyadh, Saudi Arabia, November 2000.
1999	<ul style="list-style-type: none"> ▪ Service and competition, Saudi Arabian airlines Catering, August 1999.
1999	<ul style="list-style-type: none"> ▪ Safety at work, Saudi Arabian airlines Catering, August 1999.
PROFESSIONAL AFFILIATIONS	<ul style="list-style-type: none"> ▪ Saudi Council of Engineers (SCE), Riyadh, Saudi Arabia. ▪ Saudi Umran Society, Riyadh (SUS), Saudi Arabia. ▪ Royal Institution of Chartered Surveyors (RICS), Sydney, Australia. ▪ Arab Society for Computer Aided Architectural Design (ASCAAD). ▪ AACE International
COMPUTER SKILLS	<ul style="list-style-type: none"> ▪ AutoCAD ▪ 3D Studio Max ▪ ArchiCAD ▪ Adobe Photoshop ▪ Microsoft Office ▪ R project ▪ SPSS
ACTIVITIES AND INTERESTS	<ul style="list-style-type: none"> ▪ Design, Science & Marketing.

Fahad Saud Allahaim
P. O. Box. 150868
Riyadh, 11755
Saudi Arabia
Tel. : +966 1 4300 545
Mob. Phone: +966 505 496 813
Email: fahad.allahaim@gmail.com