





PROF. ABDULAZIZ ALDEGHEISHEM

College of Architecture & Planning, KSU 

aldeghei@ksu.edu.sa 

<https://sa.linkedin.com/in/dr-abdulaziz-aldegheishem-67b7072b> 

<https://twitter.com/aldegheishem> 



EDUCATION

Ph.D. Degree in Urban Planning and Spatial Information
University of Illinois, Urbana - Champaign, Illinois, USA

Master of City Planning
University of Pennsylvania – Philadelphia, Pennsylvania, USA

Bachelor of Science in Planning and Urban Design
College of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia



CURRENT WORK

Dean | January 2020 - now
College of Architecture and Planning, King Saud University

Associate Professor | September 2014 - now
Department of Urban Planning, College of Architecture and Planning, King Saud University

Supervisor of Traffic Safety Technologies Chair | January 2017 - now
King Saud University



PREVIOUS WORK EXPERIENCE

Advisor, VRO | December 2019 – December 2020
Vision Realization Office, King Saud University

Vice Head of Projects | March 2018 – December 2019
Vision Realization Office, King Saud University

Assistant Vice Rector for Facilities and Operation | 2015 - 2016
Princess Noura Bint Abdulrahman University, Riyadh

General Supervisor of Management & Development | 2014 - 2015
Princess Noura Bint Abdulrahman University, Riyadh

Assistant of Vice Rector for Projects | 2010 - 2014
Deputy for Projects, King Saud University

Head of Urban Planning Department | 2012 - 2013
College of Architecture and Planning, King Saud University

City Planner | 1994 - 1997
Ministry of Municipal and Rural Affairs, Riyadh, Saudi Arabia



CERTIFICATE & EXECUTIVE PROGRAMS

Special Program for Urban and Regional Studies (SPURS) | 1996 – 1997
Department of Urban Studies and Planning, Massachusetts Institute of Technology (MIT)
Cambridge, MA, USA

Certificate in GIS Standards | 2001
University of Illinois at Urbana-Champaign, Illinois, USA

Certificate in Statistics and Statistical Data Processing using SPSS | 2008
King Saud University, Riyadh, Saudi Arabia

Certificate in Advanced Technical Analysis using GIS program ArcGIS | 2008
GMS Limited, Cape Town, South Africa

Certificate in Smart Cities | 2018
Smart Cities Program, Stockholm, Sweden

Certificate ArcGIS Pro | 2018
University of California - Davis, California, USA

Certificate in Strategic Planning | 2018
The National Center for Performance Measurement "Adaa", Riyadh



RESEARCH INTERESTS

- Strategic Planning
- GIS applications in Spatial Planning and Management
- Smart Cities
- Urban and Regional Planning
- Real Estate Development
- Local Administration
- Project Management



VISION 2030 INITIATIVES AND PROJECTS

Participation in the development of financial and administrative systems for the transformation of King Saud University (Phase I) | Sep 2017 – Mar 2018

Member of the supervision and follow-up team for the study of the investment environment of the Medical City, King Saud University | Apr 2018 – Sep 2018

Supervision and follow-up on the development of technical systems to transform of King Saud University | Apr 2018 – Sep 2019

Enterprise Risk Management Project in KSU | Jan 2019 – Sep 2019

King Saud University Job Structure Project | Jan 2019 – June 2019

Preparing and supervising the training of financial staff from cash basis to accounting accrual basis at King Saud University | Feb 2019 – July 2019



PLANNING AND STRATEGIC STUDIES

Director, University Master Plan, King Saud University; member of the local team in cooperation with the Office HoK in USA | Dec 2008 – Sep 2009

Advisor, Master Plan Unit, Deputy for Projects, King Saud University | Jan 2010 – Dec 2010

Advisor, Strategic Plan for Technology, Administration & Maintenance, Deputy for Projects, King Saud University | May 2010 – Nov 2010

Member of the follow-up and supervising the Enterprise Architecture project, Deputy for Projects, King Saud University | Jul 2010 – June 2011

Director, Detailed Master Plan project of the Medical City, King Saud University | Feb 2011 – Jan 2012

Team Leader, Consultancy Services for the study and dissolution of Stalled Projects at the Ministry of Education, King Abdullah Institute for Research & Consulting Studies | Apr 2012 – Mar 2013

Team Leader, Establishment of Security Facilities project of the General Security, King Abdullah Institute for Research & Consulting Studies | Nov 2012 – May 2013

Member of the Consultative Team of the Spatial Planning Act Project in the Saudi Arabia, Ministry of Municipal and Rural Affairs | Jul 2019 – June 2020

Team Leader, project of operating and implementing the Urban Development and raising the level of cooperation with the relevant agencies, King Abdullah Institute for Research & Consulting Studies | Sep 2020 – Now



INFORMATION & TECHNICAL CONSULTATION

Adviser, Planning and Information Agency, Ministry of Education | Aug 2013 – Sep 2016

Adviser, Assistance Agency for Development, Emirate of Makkah | Jul 2013 – June 2014

Adviser, Urban Information Technology Department, High Commission for the Development of Arriyadh | Dec 2007 – Dec 2010

Adviser of Geographic Information Systems and Urban Planning, General Directorate of Operation and Support Services, King Saud University | Sep 2007 – Sep 2008

Adviser, GIS project, General Administration of Projects & Maintenance, Al-Jouf University | Jan 2008 – June 2008



TRANSPORT AND TRAFFIC

Adviser, School Transport Project for female students, Ministry of Education | Jul 2008 – June 2012

Member of Urban Planning and Transport Study Group, National Strategic Plan for Traffic Safety, King Abdulaziz City for Science and Technology | Jul 2010 – June 2011

Project Director, Railway Transport in the university city, King Saud University & local team member in cooperation with the Office Egis Rail, France | Feb 2012 – May 2013

Chairman, Standing Advisory Committee on Transport, Traffic, and Parking, King Saud University | Apr 2013 – Aug 2014

Member of the delegation of the school transport project to visit and learn about the experience of De Lijn school transport in Belgium | Jan 2009



PROPERTY AND REAL ESTATE DEVELOPMENT

Participating and supervising the location and use of investment lands, King Saud University | Jan 2011 – Jul 2014

Member of the team of the real estate system in Saudi Arabia, consultative study, Shura Council | Aug 2009 – Jan 2010

Participate, preparation of feasibility studies and design for real estate development projects and development of residential neighborhoods | Jul 2009 – now

Supervisor the planning and design of the Women's Business Center at Princess Noura University to employ +20,000 female until 2025. It consists of office spaces, retail, housing, incubators, operating support systems | Nov 2014 – Jun 2016



DESIGN AND PLANNING OF ACADEMIC FACILITIES

Director, Efficiency of Operating Classrooms & Laboratories Study, King Saud University | Jul 2007 – Dec 2007

Team Member, study and implementation of the design reference (Phase II), Al-Jouf University | Jun 2008 – Dec 2008

Representative of King Saud University in the preparatory committee to follow up projects, Ministry of Education | Apr 2012 – Aug 2014

Team Member, Develop and Update the Master Plan, Colleges of Sulaiman ALRajhi, Bakiriyah, AlQassim | Mar 2013 – Aug 2013

Vice-Chairman, Primary Committee of the University City project for female, King Saud University | May 2013 – Aug 201



INTERNATIONAL ACADEMIC COOPERATION

Head of the Urban Planning Department delegation to visit the Portland State University to collaborate on joint academic research activities and professional programs | May 2012

Head of the Urban Planning Department delegation to visit the University of Southern California to qualify and accept students of urban planning in the university's graduate programs | Jun 2012

Coordinator of the team visit of the University of Texas A&M to coordinate and cooperate in the establishment of a center for joint research and exchange of faculty for research and training | Jun 2012

Supervisor, students study architecture techniques in Carrara, Italy | Jun 2012

Member of the delegation of the Department of Urban Planning to discuss international accreditation in Cincinnati, USA | Oct 2012



ORGANIZATION AND SUPERVISION OF CONFERENCES

Supervisor, GIS Workshop, King Saud University, Sheraton Hotel, Riyadh | Apr 2012

Supervisor, The First Saudi Real Estate Forum “Real Estate Industry: the future, vision and aspirations between science and practice”, and the Chairman of the session on finance and economic feasibility and real estate marketing | Nov 2016

Supervisor, Workshop to align the vision of the Makkah region with Vision 2030, Hilton Hotel, Jeddah | Jan 2017



SUPERVISION OF SCIENTIFIC MASTER'S THESIS

Measuring the Experience of GIS Applications in Urban Planning Agencies in Riyadh Region | 2012

Development of Spatial Databases of the Real Estate Map in Riyadh using Geospatial Technology | 2013

Difference between the Estimated and Actual Duration in Development Projects and its impact on the Real Estate Market | 2015

The Use of Remote Sensing Techniques in Studying the Real Estate Development of the Northern of Riyadh and its Impact on Real Estate Development | 2017



COMMITTEES MEMBERSHIP

- **Chairman of the committee for appointing Saudi faculty members in the Urban Planning Department | 2016 - 2019**
- **Head of Human Resources Committee, Urban Planning Department, College of Architecture and Planning | 2016 - 2017**
- **Member of the Teaching Assistants and Scholarships Committee, College of Architecture and Planning, King Saud University | 2007 – 2010**
- **Member of the Graduate Studies Committee, College of Architecture and Planning, King Saud University | 2006 – 2007**
- **Head of Coordination Committee, Public and Private Sectors on Manpower, King Saud University | 2006 – 2007**

- Member of the Documentation Center Supervising Committee, College of Architecture and Planning | 2006 – 2007



COUNCILS MEMBERSHIP

- Member of the College of Architecture and Planning Board, King Saud University | 2019 - now
- Board Member of the Facilities and Operation Deputy, Princess Nora University | 2015 - 2016
- Member of the Board of Directors of the Saudi Society for Real Estate Sciences | 2008 - 2017
- Member of the College of Architecture and Planning Board, King Saud University | 2009 - 2013
- Board Member of Projects Deputy, King Saud University | 2010 – 2014



RESEARCH AND SCIENTIFIC PAPERS

- The concept of facility management using GIS As a methodology for evaluating the operation of the classrooms in King Saud University.
- Real Estate and the Lack of Education in Saudi Arabia: The Canadian experience as an example. 2009. Journal of Gulf and Arabian Peninsula Studies, Kuwait, Volume 35: 133.
- Real Estate Education and the Need to Develop it in Saudi Arabia. 2009. King Saud University Journal 21, Architecture and Planning (1): 37 – 52.
- Assessment of GIS Applications Usage in Urban Planning in Riyadh Region. 2012. AGJSR 30 (1): 23-32.
- Evaluation of King Saud University Master Planning Experiment: Lessons to Be Learned. 2013. IISES International Journal of Social Sciences No. the III.
- Evaluating the Urban Sustainable Development on the Basis of AHP: A Case Study for Riyadh City. 2014. Journal of Sustainable Development Vol. (7): 12.
- Smart Road Traffic Accidents Reduction Strategy Based on Intelligent Transportation Systems (TARS). 2018. Sensors. (18): 7.
- The prevalence of seatbelt and mobile phone use among drivers in Riyadh, Saudi Arabia: An observational study. 2018. J Safety Res. 66:33-37.
- Two New Improved Variants of Grey Wolf Optimizer for Unconstrained Optimization. 2020. IEEE Access, Vol (8).
- FaaVPP: Fog as a virtual power plant service for community energy management. Future Generation Computer Systems. 2020. (105): 675–683.
- Blockchain-Based Secure Data Storage for Distributed Vehicular Networks. 2020. Applied Sciences, (10): 2011
- Improving car Parking Management in University Cities: The Case Study of King Saud University. 2020. JAUES 15 (55), 672-684
- Study the Spread of Commercial Fraud Sites in Riyadh Using Geographic Information Systems. 2021. Journal of Architecture and Planning 33 (4)

- Towards Sustainable Energy Efficiency With Intelligent Electricity Theft Detection in Smart Grids Emphasising Enhanced Neural Networks. 2021. IEEE Access (9)
- Reasons of the Difference between both of the Expected and Actual Project Completion Periods: A Study of the Performance of Real Estate Development Companies in Riyadh City. 2021. Journal of the Gulf and Arabian Peninsula Studies



CONFERENCE PAPERS

- National Geographic Information Exchange System: Comparative Analytical Study, 9th Urban Planning Symposium, Sharjah, United Arab Emirates, 2006
- Development of the City anytime everywhere in the Age of Knowledge Economy, Saudi Arabia's Second Urban Forum, Riyadh 2010
- GIS at King Saud University, International Conference on GIS Users, San Diego, California, USA 2012
- Measuring the Experience of GIS Applications, 7th National Geographic Information Systems Conference, Towards Building GIS , Dammam 2012



SCIENTIFIC CONFERENCES AND WORKSHOPS

- Federal Users Conference: Environmental Systems Research Institute, Washington DC, USA | 1-3 February 2005
- The 23rd meeting of the ISO/TC211 plenary and working groups. Riyadh, Saudi Arabia | 11-15 November 2006
- Saudi Urbanism Forum, Saudi New Towns: Vision and Ambition, Riyadh, Saudi Arabia | 2-4 April 2007
- Housing Symposium 3, Neighborhoods are more than houses, The High Commission for the Development of Arriyadh, Riyadh, Saudi Arabia | 20-23 May 2007
- The 2nd International Symposium on Knowledge Cities, Shah Alam, Selangor, Malaysia | 16-19 July 2007
- GIS Workshop, Saudi Arabian Standards Organization, Riyadh, Saudi Arabia | 10-12 May 2008
- 10th Conference of the Urbanization, Center for Urban Studies and Urban Planning at the University of Hong Kong, Hong Kong | 16-19 August 2009
- ESRI International User Conference, San Diego, California, USA | 12-16 July 2010
- World Congress of the International Federation of Topographic Engineers, Marrakech, Morocco | 20-22 May 2011
- GIS Workshop: Experience of King Saud University, Riyadh | 3 April 2012
- 7th National Geographic Information Systems Conference in the Kingdom, Towards Building Geographic Information Systems, Dammam, Saudi Arabia | 1 May 2012
- International User Conference on Geographic Information Systems, San Diego, California, USA | 23-27 July 2012
- International Academic Conference, Buenos Aires, Argentina | 3-6 February 2013
- International Conference on Sustainable Human Development, London, United Kingdom | 3-4 July 2013
- Creating communities of innovation "Association of University Research Parks Conference, Boca Raton, Florida, USA | 2-4 December 2014

- **Real Estate Industry: the Future, Vision and Aspirations between Science and Practice, Riyadh | 22-23 November 2016**
- **The Second Conference "Smart Car Parking", Jeddah | 24-25 October 2017**
- **Post-Secondary Education: Identity and Development Requirement, Saudi Educational & Psychological Assn., Riyadh | 14-15 March 2018**
- **ESRI International User Conference (2018), San Diego, California, USA | 9-13 July 2018**
- **Spatial Information Forum ISPRS Geospatial Week Enschede, Netherlands | 10-14 July 2019**
- **2nd Annual Saudi Smart Cities Summit, Riyadh | 10-14 October 2021**