



Prof. Dr. Mohamed Shahin Director Traffic and MultiModal Transport Modelling

Qualifications

2001 Ph.D., Transportation Engineering, Hannover University
1997 M.Sc., Transportation Engineering, Alexandria University
1992 B.Sc., Civil Engineering, Alexandria University

Experience

Dr Mohamed Shahin has over 22 years experience in transportation consultancy, research, training & education. He has performed joint Studies with several foreign universities (e.g. Hannover, München). He was involved in many transport consultancy projects in countries such as Egypt, Saudi Arabia, Kuwait, UAE, Qatar, Lebanon, Turkey, Yemen, Algeria, Morocco, and Nigeria with CGCE (Egypt – Germany), Dar Group (Beirut & Cairo), HACON, Schnüll-Halle, TRANSVER (Germany) as well as with a number of Egyptian, Saudi & UK consultants. He is a Certified Trainer for VISUM Software – PTV certified trainer No. 90. Dr. Shahin qualifications are: Transport Planning and Transport Modelling, Traffic Engineering and Microscopic Modelling, Transport Master Planning, Design of Rapid Transit Systems and Public Transport Facilities, Transportation planning and operations for railway systems

Employment Record

2012 Professor of Transportation Planning and Traffic Engineering - Alexandria University, Transportation Department
2008-now Director - Consultant Group for Civil Engineering
2004-2008 Senior Transport Engineer – Dar al-handasah Shair and Partners
2006 Associate Professor of Transportation Planning and Traffic Engineering - Alexandria University, Transportation Department
2001- 2006 Assistance Professor at Alexandria University, Transportation Department
1998-2004 Senior Transport Engineer at Hannover University, Transportation Department, Germany
1992-1998 Scientific Assistant at Alexandria University, Transportation Department

Sample of Projects/Studies

- Planning and Design of road networks for different Villages, private, Alexandria, Egypt.
- Advanced Master Plan of Damitta Port, Damitta Port Authority, Egypt (Dr.-Ing. Shahin was one of the team work of this project). 1994-1996
- Energy Planning of the Transportation Sector in Egypt at the National Level, Organization for Energy conservation and Planning (Dr.-Ing. Shahin was one of the team work of this project). 1996-1998
- Damitta Port Infrastructure Master Plan, Damitta Port Authority, Egypt. 1997-1998

- Model test Lower Saxony: traffic-jam-valves on Federal motorways at Holdorf and Göttingen, Germany. 1999-2000
- Planning of traffic management in Alexandria during the implementation of water network, Traffic Administration, Alexandria. 2002-2003
- Reviewing International Transportation and Traffic Planning Tools Regarding the Environment and the Energy Consumption - Alexandria Case Study –, Organization for Energy Planning. 2004-2006
- Cost benefit Analysis for introducing Light Rail System in Alexandria City, Organization for Energy Planning. 2005-2006
- Signalling of Cairo/Damietta Rail Link – Pre-feasibility Study, Egypt, (IP0335). 2006-2007
- Marsa Alam Resort –Transport System, Egypt, (E0585). 2005
- Limited Traffic Study and Building up Traffic Model for Jumeirah Village II, Dubai (D04110). 2005
- Amman Urban Transport Study, Jordan (J0594). Main thrust of study is to update Greater Amman 1999 SATURN Traffic Model to VISUM version & develop short & long-term plans for improvements to a series of major problematic traffic junctions. 2006-2007
- Makkah Haram - Mataf / Masa'a Expansion - Preliminary Traffic Report, March 2006 (PS05824). This includes proposing a conceptual transport system for moving the peak demand to/from Al Haram during Hajj and Umrah seasons. The proposed system comprises shuttle buses, light rails, coaches and walkways. 2006-2008
- Pearl of Qatar (Q0547). This includes building up a SATURN Traffic Model for the pearl and analysing the most critical traffic junctions using HCS2000 and AASIDRA. 2007-2008
- Erbil City Master Plan (IQ06017). The study includes building up VISUM Traffic Model for testing the different road network alternatives proposed for the city Master Plan. 2006-2008
- Arriyadh Ring Road (S06026), Arriyadh, KSA. This includes updating emme/2 Arriyadh Transport Model, and analysing weaving sections along the ring road and signalised intersections along its service road for future years 2010, 2015 and 2020. 2006-2008
- Traffic Impact Study for the Dubai Towers in Istanbul, Turkey (TK06078).
- Hilla City Master Plan (IQ05122). The study includes building up EMME2 Traffic Model for testing the different road network alternatives proposed for the city Master Plan. 2007-2008
- Jeddah Ring Road & improvement of existing interchanges at Airport Road (S06025) 2007-2008
- Master Plan for Khawr Al-Batah at Sur, Sultanate of Oman (OM07013). 2007
- Al Amara City Master Plan (IQ06103), Al Amara, Iraq. The study includes building up VISUM Traffic Model for testing the different road network alternatives proposed for the city Master Plan. 2007-2008

