

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL ARTICLES

1. Abbas K. A., and M. G. H. Bell (1994) **System Dynamics Applicability to Transportation Modelling**. Transportation Research, Vol. 28A, No. 5. Pergamon Press, UK pp. 373-400.
2. Abbas K. A., Mabrouk I., and Al-Araby A. K. (1996) **School Children as Pedestrians in Cairo: Proxies for Improving Road Safety**. Journal of Transportation Engineering, Vol. 122, No. 4, American Society of Civil Engineers (ASCE), U.S.A. pp. 291-299.
3. Bahgat A. and Abbas K. A.. (1997) **Effect of Accessibility on the Development of New Cities in Egypt: A System Framework**. Urbanismo, Revista Del Colegio Oficial De Arquitectos De Madrid No. 31, Madrid, Spain. pp. 50-57. (In Spanish)
4. Abbas K. A. and Abd-Allah H. Mona (1999) **Estimation and Assessment of Cost Models for Main Transit Systems Operating in Cairo**. Transport Reviews, Vol. 19, No. 4, pp. 353-375. Francis & Taylor, UK
5. Abbas K. A. (2003) **Environmental Assessment of Road Alignments Based On Multicriteria Scoping: A Case Study of Cairo-Ain Sukhna Freeway**. Journal of Impact Assessment and Project Appraisal, Vol. 21, No. (4), pp. 323-330. Beech Tree Publishing, UK.
6. Abbas K. A. (2004) **Traffic Safety Assessment and Development of Predictive Models for Accidents on Rural Roads in Egypt**. Accident Analysis and Prevention, Vol. 36(2), pp. 149-163. Pergamon Press, UK.
7. Abbas K. A. & Aly M. G. (2004) **Logistics Chain Analysis of Upper Egypt Wheat Milling Company: A Basis for Developing Efficiency Models for Transport Activities**. International Journal of Logistics: Research and Applications, Vol. 7(2), pp. 85-107. Taylor & Francis, UK.
8. Abbas K. A. (2004) **Conceptual and Regression Models for Passenger Demand Prediction: A Case Study of Cairo Airport and Egyptair**. Invited Paper to Airlines Magazine. E-Zine edition - Issue 26, pp. 1-4. University of Amsterdam, Netherlands.
9. Abbas K. A. (2004) **Assessment and Improvement of Road Safety in Developing Countries: Egypt as a Prototype Case Study**. Advances in Transportation Studies: An International Journal, Vol. 1 (3), Section A, pp. 5-24. University of Rome, Rome, Italy.
10. Abbas K. A. (2004) **Developing a Conceptual Model for Sustainable Management of Traffic Safety. Part 1: Methodology**. Advances in Transportation Studies: An International Journal, Vol. 1 (4), Section A, pp. 33-56. University of Rome, Rome, Italy.
11. Abbas K. A. & Al Hossieny A. (2004) **In-depth Statistical Analyses of Accident Databases. Part 2: A Case Study**. Advances in Transportation Studies: An International Journal, Vol. 1 (4), Section A, pp. 57-67. University of Rome, Rome, Italy.
12. Abbas K. A. (2004) **Framework for Assessing Traffic Impacts Generated by Mega Complexes: A Case Study of San Stefano Grand Plaza in Egypt**. Journal of Impact Assessment and Project Appraisal, Vol. 22, No. (4), pp. 311-325. Beech Tree Publishing, UK.
13. Abbas K. A. Ghareib A. H. and Wahdan A. H. (2009) **Safety Modeling and Improvement of Railroad Grade Crossings in Egypt**. Advances in Transportation Studies: An International Journal, Vol. 1 (19), Section A, pp. 35-50. University of Rome, Rome, Italy.
14. Abbas K. A. (2010) **Integrated Programs for Mitigating Traffic Problems in Developing Countries: An In Depth Analysis of Experts Judgment**. Advances in Transportation Studies: An International Journal, Vol. 1 (20), Section A, pp. 13-28. University of Rome, Rome, Italy.

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1. Abbas K. A., Okail O., and Mabrouk I. (1996) **Assessment of Potentiality of Travel Demand Management in Relieving Traffic Congestion in Cairo: A Case Study with Car Users in Affluent Districts.** Scientific Bulletin, Faculty of Engineering, Ain Shams University, Volume 31, No. 4, Part 1: Architecture and Civil Engineering. Cairo, Egypt. pp. 115-146.
2. Abbas K. A. and Abd-Allah H. Mona (1998) **Estimation of Consumption and Requirement Models for Bus Transit System Operated by Cairo Transport Authority.** Civil Engineering Research Magazine (CERM), Volume 20, No. 3, pp. 441-461. Faculty of Engineering, Al-Azhar University, Cairo, Egypt.
3. Abbas K. A. (1998) **An Integrated Approach for Management of Traffic Safety.** Arab Roads Journal, Volume 46, No. 3 - pp. 19-36. Arab Roads Association - Cairo – Egypt.
4. Abbas K. A. and El-Maksoud A. A. (1999) **Development of a Generic Analytical Framework for Assessing Impact of Inefficiencies on Bus Operation in Cairo.** Scientific Bulletin, Faculty of Engineering, Ain Shams University, Volume 34, No. 1, Part 1: Architecture and Civil Engineering. Faculty of Engineering, Ain Shams University, Cairo, Egypt. pp. 83-109.
5. Abbas K. A. (2000) **An Analysis of Causes of Traffic Problems and Development of Relieve Strategies, Policies and Measures.** Arab Roads Journal, Volume 48, No. 1. pp. 25-41. Arab Roads Association - Cairo - Egypt. (In Arabic)
د خالد عبد العظيم عباس (٢٠٠٠) تحليل أسباب مشاكل المرور في المدن واقتراح الاستراتيجيات والسياسات والتدابير اللازمة للتخفيف من حدتها مجلة الطرق العربية – جمهورية مصر العربية
6. Abbas K. A. (2000) **Towards Bankable Build-Operate-Transfer Road Projects: A System Approach for Assessing Financial Feasibility.** In Al-Azhar University Engineering Journal: Special Issue of Proceedings of Al-Azhar Engineering Sixth International Conference, Cairo, Egypt, pp. 645-684.
7. Abbas K. A. (2000) **Development of a Generic Pavement Management Model Based on System Dynamics Methodology.** Arab Roads Journal, Volume 48, No. 2. pp. 12-26. Arab Roads Association - Cairo - Egypt.
8. Heikal Z. A., Abbas K. A., Abdel Maksoud A. and Abdel Fattah M. N. (2001) **Impact of Reducing Weekly Working Days on Urban Transport Systems in Cairo and Alexandria Cities.** Arab Roads Journal, Volume 49, No. 1. pp. 26-50. Arab Roads Association - Cairo - Egypt. (In Arabic)
د على هيكل و د خالد عبد العظيم عباس وآخرون (٢٠٠١) أثر تخفيض أيام العمل الأسبوعي على نظام النقل داخل المدن بالتطبيق على مدينتي القاهرة والإسكندرية-مجلة الطرق العربية – جمهورية مصر العربية
9. Abbas K. A. Ghareib A. H. and Wahdan A. H. (2001) **Modelling and Evaluating Safety at Rail-Road Grade Crossings in Greater Cairo.** In Al-Azhar University Engineering Journal., Vol. 4, No. 3. Cairo, Egypt. pp. 96-119.
10. Abbas K. A. (2001) **Developing Integrated Programs for Alleviating Traffic Problems Based on Analysing Experts Judgment.** Civil Engineering Research Magazine (CERM), Faculty of Engineering, Volume 23, No. 3, Al-Azhar University, Cairo, Egypt. pp. 1022-1054.
11. Abbas K. A., Fattah N. A. & Farhat H. H. (2003) **A Proposed Bridge Inspection and Maintenance Management System (BIMMS) in Egypt.** Civil Engineering Research Magazine (CERM), Faculty of Engineering, Volume 25, No. 2, Al-Azhar University, Cairo, Egypt.

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1. Abbas K. A. (1990) **A Road Provision Model Using System Dynamics.** In System Dynamics '90, D. F. Andersen, G. P. Richardson & J. D. Sterman (Eds.). System Dynamics Society, Cambridge, Mass., pp. 1-15.
2. Abbas K. A. (1990) **The Use of System Dynamics in Modelling Transportation Systems With Respect to New Cities in Egypt.** In System Dynamics '90, D. F. Andersen, G. P. Richardson and J. D. Sterman (Eds.). The System Dynamics Society, Cambridge, Mass., pp. 16-30.
3. Abbas K. A. (1990) **A System Dynamics Road Provision Model.** In Dynamic Analysis of Complex Systems. V. D'Amato & C. Maccheroni (Eds.). Franco Angeli, Milano, Italy. pp. 93-100.