This next pages provide abstracts & full text of Some of Dr. Khaled Abbas Research Work

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1- Role of Government in Transport Industry

1. *1- Abbas K. A. (2004) Reinventing Government Role in Transport Sector: The Way Forward. In Pr*

Abstract:

The main aim of this study was to develop a structured framework constituting the generic roles (functio

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2- Strategic Policy and Planning for Transport Sector

1. *1- Abbas K. A. (2004) Assessment of National Transport Sector in Egypt: A Basis for Developing a*

Abstract:

This paper starts by presenting a discussion describing current status of the national transport sector in

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3- Transport Cost Modelling

1. *1- Abbas K. A. and Abd-Allah H. Mona (1999) Estimation and Assessment of Cost Models for Mai*

Abstract:

This paper reviews the main characteristics of the provision of urban transit systems in Cairo, namely bu

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. and Abd-Allah H. Mona (1998) Estimation of Consumption and Requirement Mode*

Abstract:

Mass transit systems in the city of Cairo are being mainly operated by the Cairo Transport Authority (CT

This article may be used for research, teaching and private study purposes. Any substantial or systemat

4- Bus Transit Modelling

1. *1- Abbas K. A. and El-Maksoud A. A. (1999) Development of a Generic Analytical Framework for*

Abstract:

There is a tangible move, across cities of the world, towards achieving efficiency gains in the bus industr

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. (1996) A Generic System for Planning Activities in a Bus Transit Company. Proce*
   http://www.etcproceedings.org/paper/a-generic-system-for-planning-activities-in-a-bus-transit-company

Abstract:

Managers of bus transit companies have the task of managing their companies' resources (financial, hu

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Abstract:

g-abstract/Abbas K. A. (2003) Modelling Bus Transit Operation: A Basis for Budgeting and Fare Determina

This article may be used for research, teaching and private study purposes. Any substantial or systemat

5- Bus Transit Policy, Management and Performance

1. *1- Abbas K. A., Saleh A. E., and Bahgat A. (1992) Towards Market Economy: Past Present and F*

Abstract:

The Egyptian transport industry is undergoing substantial changes within the framework of the national e

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. (1993) Performance Measures Used for Comparing the Achievements of Passeng*

Abstract:

In light of the current deregulation of the transport industry in Egypt, this paper explores the different typ

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *3- Abbas K. A. (1994) Policies for Improving Operational Profitability in Intercity Bus Companies ir*

Abstract:

The paper starts by laying down the current organisational scene within which transport companies in Eg

This article may be used for research, teaching and private study purposes. Any substantial or systemat

6- Congestion and Travel Demand Management - Sustainable Transport Strategies

1. *1- Abbas K. A. (2009) Integrated Programs for Mitigating Traffic Problems in Developing Countrie*

Abstract:

This research starts by developing a comprehensive inventory and categorization of demand and supply

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1. *2- Abbas K. A., Okail O., and Mabrouk I. (1997) A Trio Management Package for Relieving Traffic*
   http://www.etcproceedings.org/paper/a-trio-management-package-for-relieving-traffic-congestion-in-cairo-traffic-tr

Abstract:

The traditional strategy for tackling the traffic congestion problem has been, for years, to add more capa

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *3- Abbas K. A. (2001) Environmentally Sustainable Transport Strategies: The Way Forward in Me*
   http://s3.amazonaws.com/zanran_storage/www.vti.se/ContentPages/49386654.pdf

Abstract:

This paper is concerned with one of the three requirements of a sustainable transport system, namely th

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *4- Abbas K. A. (2004) Experts Judgment: A Basis for Developing Integrated Programs for Mitigati*

Abstract:

This research starts by developing a comprehensive inventory and categorization of demand and supply

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *5- Abbas K. A., Okail O., and Mabrouk I. (1996) Assessment of Potentiality of Travel Demand Ma*

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This article may be used for research, teaching and private study purposes. Any substantial or systemat

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7- Logistics Chain Analysis

1. *1- Abbas K. A. & Aly M. G. (2004) Logistics Chain Analysis of Upper Egypt Wheat Milling Compar*
   2- Abbas K. A. and Aly M. G. (2003) Developing Transport Cost and Revenue Models Based on L
   3- Abbas K. A. & Aly M. G. (2003) Logistics Chain Analysis: A Basis for Analysing Efficiency of Wh
   http://www.nofoma.org/conferences/nofoma2003/program/information.htm

Abstract:

This paper develops a methodological approach that is meant to compute and assess the financial effici

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1. *4- Abbas K. A. (2004) Logistics Chain Analysis: A Basis for Assessing Greenhouse Impacts of Tra*

Abstract:

The main production and warehousing premises of Egypt Eastern Company for Tobacco is currently loc

This article may be used for research, teaching and private study purposes. Any substantial or systemat

8- Logistics Analysis of Container Handling at Ports

1. *1- Abbas K. A. & Mokhtar M. M. (2003) Assessing and Improving Container Handling Services at A*
   http://www.nofoma.org/conferences/nofoma2003/program/information.htm
   2- Abbas K. A. & Mokhtar M. M (2003) Logistics Chain Analysis of Alexandria Container Handling
   http://www.etcproceedings.org/paper/logistics-chain-analysis-of-alexandria-container-han
dling-company-in-egypt-a-b

Abstract:

This research aims at developing two logistics chains that simulate the activities performed by Alexandri

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This article may be used for research, teaching and private study purposes. Any substantial or systemat

9- Environmental Impact Assessment of Transport Projects/Activities

1. *1- Abbas K. A. (2003) Environmental Assessment of Road Alignments Based On Multicriteria Sco*
   http://www.ingentaconnect.com/content/beech/iapa/2003/00000021/00000004/art00007

Abstract:

This research develops a multicriteria scoping framework by which alternative road alignments can be a

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. (2004) Logistics Chain Analysis: A Basis for Assessing Greenhouse Impacts of Tra*

Abstract:

The main production and warehousing premises of Egypt Eastern Company for Tobacco is currently loc

This article may be used for research, teaching and private study purposes. Any substantial or systemat

10- Traffic Impact Assessment

1. *1- Abbas K. A. (2004) Framework for Assessing Traffic Impacts Generated by Mega Complexes: A*
   http://www.ingentaconnect.com/content/beech/iapa/2004/00000022/00000004/art00006

Abstract:

This paper develops a generic framework of the process involved in conducting traffic impact assessme

This article may be used for research, teaching and private study purposes. Any substantial or systemat

11- Impacts of Metro system

1. *1- White P., Bahgat A. G., El-Tony F., El-Mahdi R., Boshra E., Abbas K. A., Fattah A., and Al-Kee*
   2- Bahgat A. G., El-Tony F., El-Mahdi R., Boshra E., Abbas K. A., Fattah A., Al-Keelany O., and W

Abstract:

The Cairo Metro – the first in Africa and the Middle East – is a two-line system, heavily used. Data from

This article may be used for research, teaching and private study purposes. Any substantial or systemat

This article may be used for research, teaching and private study purposes. Any substantial or systemat

12- Impact of Transport on the Development of New Cities

1. *1- Bahgat A. and Abbas K. A.. (1996) Effect of Accessibility on the Development of New Cities in*
   3- Bahgat A. and Abbas K. A.. (1997) Effect of Accessibility on the Development of New Cities in

Abstract:

The main objective of this research is to gain a general insight into the development process of new citie

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This article may be used for research, teaching and private study purposes. Any substantial or systemat

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *4- Abbas K. A., and Bahgat A. (1992) Transport and the Industrial Development in New Cities in E*

Abstract:

The main objective of this study is to gain a general insight into the development process of new cities ir

This article may be used for research, teaching and private study purposes. Any substantial or systemat

13- Traffic safety and accident Analysis

1. *1- Abbas K. A. (2004) Traffic Safety Assessment and Development of Predictive Models for Accid*
   http://ipac.kacst.edu.sa/eDoc/2006/157028_1.pdf

Abstract:

This paper starts by presenting a conceptualization of indicators, criteria and accidents' causes that can

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. & Al Hossieny A. (2004) In-depth Statistical Analyses of Accident Databases. Part*
   3- Abbas K. A. & Al Hossieny A. (2001) A Generic Approach for In-Depth Statistical Investigation o
   http://s3.amazonaws.com/zanran_storage/www.vti.se/ContentPages/49386654.pdf

Abstract:

The main aim of this research is to develop a generic approach for the utilization of statistical methods to

This article may be used for research, teaching and private study purposes. Any substantial or systemat

14- Traffic safety Management

1. *1- Abbas K. A. (2004) Developing a Conceptual Model for Sustainable Management of Traffic Saf*
   2- Abbas K. A. (1996) A System Approach for Sustainable Management of Traffic Safety (Part II).
   http://www.etcproceedings.org/paper/a-system-approach-for-sustainable-management-of-traffic-safety

Abstract:

In this article, the concept, ingredients and levels of sustainable traffic safety management are proposed

This article may be used for research, teaching and private study purposes. Any substantial or systemat

Abstract:

1. *Abbas K. A. (2004) A Step Generic Procedure to Assess Road Safety Development Case Study of Egypt*
2. *Abbas K. A. (2010) Assessment and Improvement of Road Safety Development Case Study of Egypt*

This article may be used for research, teaching and private study purposes. Any substantial or systematic

15- Safety at RailRoad at Grade Crossings

1. *1- Abbas K. A. Ghareib A. H. and Wahdan A. H. (2009) Safety Modeling and Improvement of Rail*
   2- Abbas K. A. Ghareib A. H. and Wahdan A. H. (2003) Development of Safety Proxy Models for R

Abstract:

The paper starts by presenting a generic conceptualization of factors affecting safety of railroad grade cr

This article may be used for research, teaching and private study purposes. Any substantial or systemat

16- Traffic Behaviour & Safety for Children as Pedestrians

1. *1- Abbas K. A., Mabrouk I., and Al-Araby A. K. (1996) School Children as Pedestrians in Cairo: Pr*
   2- Abbas K. A., Mabrouk I., and Al-Araby A. K. (1994) Traffic Behaviour of School Children in Cairo

Abstract:

This research attempts to infer the pattern of traffic behaviour of school children. In doing so, the study s

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *3- Al-Araby A. K., Mabrouk I., and Abbas K. A. (1996) Traffic Perception, Attitude and Skills of Sch*

Abstract:

In recent years, many countries have been giving more attention to the traffic safety of children. Unfortun

This article may be used for research, teaching and private study purposes. Any substantial or systemat

17- Transport & Pedestrian Environment for Mobility Handicapped

1. *1- Mabrouk I., and Abbas K. A. (1994) Pedestrian Environment Problems Encountered by the Mob*

Abstract:

The pedestrian walking and crossing environment in Cairo is considered to be unfriendly and uncomforta

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. and Mabrouk I. (1994) Physically Handicapped and Visually Impaired: Trip Charac*

Abstract:

The overwhelming majority of residents in Cairo, the capital of Egypt, face many transport-related proble

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *3- Abbas K. A., and Mabrouk I. (1995) Mobility of Vulnerable Road Users in Cairo. Proceedings of*

Abstract:

In recent years, many countries in the world are giving more attention to improving the safe and easy mo

This article may be used for research, teaching and private study purposes. Any substantial or systemat

18- Roads and Bridge Management System

1. *1- Abbas K. A., Bell M. G. H., and Crouch F. O. (1990) Computer-Based Support for the Managem*

Abstract:

Road transport is regarded as one of the key elements that contributes to the economic growth and deve

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. (1993) Illustration of SDPMS: A Generic Pavement Management System. Proceed*

Abstract:

In any transport system, financial resources are consumed in constructing, administrating and maintainir

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *3- Abbas K. A., Fattah N. A. & Farhat H. H. (2003) A Proposed Bridge Inspection and Maintenanc*

Abstract:

Bridges are considered as one of the most valuable transport infrastructure assets. One of the major fac

This article may be used for research, teaching and private study purposes. Any substantial or systemat

19- Transport Systems Modelling Using System Dynamics &

Expert Systems

1. *1- Abbas K. A., and M. G. H. Bell (1994) System Dynamics Applicability to Transportation Modelli*

Abstract:

The main focus of this paper lies in reviewing and evaluating the strengths and weaknesses of the Syste

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1. *2- Abbas K. A. (1990) A Road Provision Model Using System Dynamics. In System Dynamics '90,*
   http://www.systemdynamics.org/conferences/1990/proceed/pdfs/abbas001.pdf

Abstract:

One of the most difficult tasks facing highway administrators is how to efficiently manage the allocation o

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1. *3- Abbas K. A. (1990) The Use of System Dynamics in Modelling Transportation Systems With Re*
   http://www.systemdynamics.org/conferences/1990/proceed/pdfs/abbas016.pdf

Abstract:

Since the development of System Dynamics, it has been applied successfully to a range of complex pro

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *4- Abbas K. A. (1990) A System Dynamics Road Provision Model. In Dynamic Analysis of Comple*

Abstract:

The growing conflict between the requirements of the road network and the available financial resources

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1. *5- Abbas K. A., and Bahgat A. (1992) A Process of Knowledge Representation for Developing Tra*

Abstract:

The main focus of this paper lies in presenting a structured process of knowledge representation, which

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *6- Abbas K. A. (1993) Expert Systems in Transportation: Usefulness and Applicability. Proceeding*

Abstract:

The main focus of this paper lies in reviewing the Expert Systems (ESs) technology and evaluating the s

This article may be used for research, teaching and private study purposes. Any substantial or systemat

20- Travel Demand Modelling & Evaluation (Road Transport –

Aviation)

1. *1- Abbas K. A. (2003) User Charging for Roads in Egypt: A Case Study of Cairo-Alexandria Toll R*
   http://www.etcproceedings.org/paper/road-user-charging-for-roads-in-egypt-a-case-study-of-cairo-alexandria-toll-ro

Abstract:

This research starts by reviewing the current situation of toll roads in Egypt. The core of the research is t

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A., Fattah N. A. & Reda H. R. (2003) Developing Passenger Demand Models for Inter*
   http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20050156072_2005082769.pdf

Abstract:

This research is concerned with developing passenger demand models for international aviation from/to

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21- Assessment of Training Needs in the Transport Industry

1. *1- Abbas K. A. (1993) Management Training in Light of Deregulation of the Egyptian Transport Ind*

Abstract:

This paper explores the different components of the training cycle. Its main emphasis lies in presenting t

This article may be used for research, teaching and private study purposes. Any substantial or systemat

1. *2- Abbas K. A. (1993) Management Training in the Egyptian Transport Organisations: Is there a D*

Abstract:

A questionnaire survey was undertaken in an attempt to infer the way in which senior managers of trans

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