

Table of content

Vol. 2, No. 1, January 25, 2012

	Page
Linear Programming: Optimization of Noise and Vibration Model in Passenger Car Cabin	1-13
<p>Zulkifli Mohd Nopiah, Ahmad Kadri Junoh, Wan Zuki Azman Wan Muhamad, Mohd Jailani Mohd Nor, Ahmad Kamal Ariffin Mohd. Ihsan, Mohammad Hosseini Fouladi Doi : 10.7321/jscse.v2.n1.1</p> <p>Abstract . Car cabin interior acoustical is one of the factors which may influence the flexibility of the driving. Basically the amount of discomfort depends to magnitude, frequency, direction and also the duration of exposed vibration in the cabin. Generally the vibration is caused by two main sources: engine transmission and interaction between tyre and road surface. The noise which produced by the car system can cause hearing impairment, hypertension, annoyance and sometimes can decrease the driving focus which may cause an accident. There are studies have been carried out to measure the annoyance level of cabin interior acoustical by defining particular index [16]. In this study the effects of vibration to noise in passenger car cabin were investigated. Vehicle acoustical comfort index (VACI) was used to evaluate the noise annoyance level and vibration dose value (VDV) was used to evaluate the vibration level. By using the changes trend of noise and vibration level depending to engine speeds, optimization model was proposed to optimize the vibration level in the passenger car cabin.</p> <p>Keyword : Vibration; Sound Quality; Vehicle Acoustical Comfort Index (VACI); Vibration Dose Value (VDV)</p>	
Study of Socio-Technical For Implementation of Knowledge Management System	14-23
<p>Sofian Lusa, Dana Indra Sensuse Doi : 10.7321/jscse.v2.n1.2</p> <p>Abstract . Focus of this study to explain the importance of socio-technical aspects in the design and implementation of Knowledge Management Systems (KMS). This study was motivated by many failures in the KMS implementation and lack of research in the associated fields between the studies of socio-techno with KMS. The purpose of this study was to find factors in the socio and technical implementation of KMS in a state-owned company. The research method applied in the study is using an interpretative approach by conducting interviews, document review, focus group discussion (FGD) directly to end users. By knowing the Socio-Technical aspects, results of the study expected to be able to provide input for planning and to increase the success of knowledge management system implementation.</p> <p>Keyword : Socio technical; Stated owned company; knowledge management system (KMS)</p>	

Editorial Board

Vol. 2, No. 1, January 25, 2012

Dr. Y. Sun,

Washington State University,



USA

Software Network Security,
Network Routing,
High-Performance VLSI Software Systems,
Computer architecture.

Dr. M. Beldjehem,

Ottawa University,



Canada

Software Engineering,
Object-Oriented Systems,
Project Management

Dr. Daniel Breaz,

University of Alba Iulia,



Romania

Soft Computing, Quality Management,
Rational Unified Processing

Dr. N. L. Braha,

University of Prishtina,



Kosove

Software Engineering,
Software Engineering Methods and Practices

Dr. Brij Gupta,

University of New Brunswick,



Canada

Software Maintenance and Evaluation, Structured Analysis,
Structuring (Large) OO Systems, Systems Engineering,
Test Driven Development, UML

Dr. M. Nazir,

University of Oulu,



Finland

Network software Engineering,
Data modeling

**Dr. José Enrique Armendáriz-
Íñigo,**

University of Navarre,




Spain


Distributed Software Application & Distributed Software
Engineering,
Network Software Engineering

Dr. Hongwei Wang,
University of Portsmouth,
 **United Kingdom**


Product Analysis, Design and Sustainable Development ,
Collaborative Modelling and Simulation , Computational
Design

Dr. Venkat Krishnan,
Iowa State University,
 **USA**


Data Mining and Knowledge Discovery, Statistical
Applications in power systems,
Transportation System Modeling and Optimization

Dr. T.C.Manjunath,
Visvesvaraya Technological
University,
 **India**


Control System Engineering,
Robotics Software, Signals & systems, Digital Signal
Processing,
Digital Image Processing, Artificial & Swarm Intelligence,
Data Mining, Genetic Programming

Dr. I. M. SMADI,
Yarmouk University,
 **Jordan**

Soft Computing,
Automata Theory

Dr. S. Aris,
Constantine University,
 **Algeria**

Data Modeling Techniques,
Software Engineering Methods and Practices Software
Deployment,
Software Components

Kai Pan,
University of North Carolina at
Charlotte,
 **USA**

Reviewer: Software Engineering,
Software Testing,
Database Application