

7th SASTech
Presentation
&
Workshop
Final Program
Timetable

Chair's Address فقط در برنامه چاپی باشد یا در برنامه روی سایت هم باشد؟

First of all, on behalf of the organizing committee of the 9thSASTech ۲۰۱۲ Symposium, I would like to express my sincere thanks and welcome all delegates from different universities and research institutes from different parts of the world and Malaysia to the 9th SASTech ۲۰۱۲. This Symposium is organized by Khavaran Institute of Higher Education, Iran (KHI) with co-organizing Global Sky Tech, Malaysia; and Waterloo Institute Disaster Management (WIDM), Canada. We had also knowledge partners and sponsors from University Islamic Technology Malaysia (UiTM), Malaysia; Jawaharlal Nehru University, India; University of Waterloo and Dewey College, Canada; RMIT University, Australia; Institute of Disaster Management (IDM), Iran; Jurupro, Malaysia; Xiamen University, China, ISPRS; Association Geoinformation Technology (AgIT), Thailand; Association of Geoinformation and Communication Technology (GeoICT), Canada; International Journal of Geoinformatics (IJG), Thailand; International Journal of Research and Development Journal (IGRDJ), Canada. The 5th Symposium was organized by KHI and held in Mashhad, Iran during 11-13th May ۲۰۱۱. We have received much motivate feedback from colleagues to organize 9th SASTech ۲۰۱۲ in Malaysia. In this Symposium we also have a workshop on LIDAR and Applications on ۲۵th March ۲۰۱۲ by Prof. Jonathan Li from University of Waterloo, Canada and also Prof. Guangyun Li and Prof. Yanming Wang from China. Another workshop conducts from RMIT University Australia by Prof. Indubhushan on Ecologically Sustainable Housing during this event. Step into Future short workshop delivers by Dr. Donna Zhang and Mr. Craig from Dewey College, Canada. The present international Symposium can help us to contribute to the knowledge of advanced technology in managing our environment. This will also help to facilitate the international collaboration and thinking for future projects, R&D and educational programs as join venture programs and explore other avenues for possible collaboration. 9th SASTech ۲۰۱۲ aims at bringing together international researchers and facilitating the dialogue on emerging

topics in the fields of advancement of sciences and technology. It focuses on Civil Engineering and

Geoinformatics Technology, Electrical and Communication Engineering, Computer Engineering and Computer Sciences, Architectures, Environmental Studies and Urban Planning. We sincerely welcome you for taking part in this event and sharing with us your expertise and passion about aforementioned advancement in sciences and technology. SASTech has recently initiated a joint collaboration with “Waterloo Institute Disaster Management” in Canada and I am very happy to invite you for a membership to Association Geoinformation and Communication Technology (AGeoICT); www.igrdg.com and submit your registration form. SASTech has been trying to attract scientists and researchers to publish their papers in journals publishing by WIDM and AGeoICT. I am sure; this event would not be happened without your support. Let hope for a synergy in developing our future cooperation in environment issues to saving the Earth for the future generations. Your contribution is highly appreciated and I express my deep heart and warm thanks to all participants. I hereby would like to thank Prof. Mobasheri the president of KHI and his academic members for their initiating creation of such a fruitful and valuable symposium and hoping with a bright future. Thanks Dr. Behzad Nadi and his team members from University of Kembangan Malaysia for his technical support in Malaysia. Finally I would like to thank my committee members whom worked hard to make this event successful. Not least but the last, I and on behalf of 4th SASTech 2012 wish you a good stay in Kuala Lumpur, Malaysia and find this event helpful and beneficial to you and other colleagues. Thanks to all participants from Malaysia and those who come from long distance to make this event fruitful. Thank you.

Let the knowledge flow like water in the river

Let it goes places... meet many other rivers and finally integrate with the cean...

One day it will come back and shower on us like rain...

Said Pirasteh
٦th SASTech ٢٠١٢
Chairman

DAY ١
Saturday March ٢٤th, ٢٠١٢

Registration: ٨ AM-٩ AM

Opening Ceremony

Quran and Doa: ٩ AM-٩:١٠AM

Welcome Speech by Chairman/Co-Chairman: ٩:١٠ AM -٩:٢٠AM

Video Presentation: ٩:٢٠ AM- ٩:٢٥ AM

Officiate ٦thSASTech ٢٠١٢ and Talk by Prof. Abdu Kadir Taib:

٩:٢٥ AM-٩:٤٥AM

Main Hall

٩:٤٥ AM to ١٣:٠٠ PM

Plenary Session

Keynote Speakers	
Chairs: Prof. Indubhushan, Dr. Ahmad Rodzi Mahmud, Prof. Shattri Mansor	
<i>Mobile Laser Scanning: The State-of-the-Art</i> Prof. Jonathan Li (Canada)	٩:٤٥ – ١٠:١٥
<i>Initiatives Toward Spatial Enablement in Malaysia</i> Prof. Abdu Kadir Taib (Malaysia)	١٠:١٥ – ١٠:٤٥
Coffee/Tea break (١٠:٤٥- ١١:٠٠)	
<i>Variation in Rainfall Precipitation over India: GIS Aided Spatial and Temporal Analysis</i> Prof. Arun Saraf Kumar (India)	١١:٠٠ – ١١:٣٠
<i>Environmental quality and management</i> Prof. I V Murali Krishna (India)	١١:٣٠- ١٢:٠٠
<i>High PM Concentration Affected by Nocturnal Boundary Layer and</i> Prof. Hyo Choi (Korea)	١٢:٠٠ – ١٢:٣٠
<i>Imagery for Environmatic</i>	

Lunch Break (13:00 - 14:00)

DAY 1
Saturday March 24th, 2012
Hall 1
 14:00 - 15:40

Civil Engineering & Geo-information Technology	
Chairs: Prof. Biswajeet Pradhan	
Control of the Suspension Bridge Nonlinear Vibrations due to Moving Loads Mohamed Abdel-Rohman	14:00 - 14:20
Behavior of Shear Friction Push-off Specimens Made Using Normal and Recycled Aggregates K.N. Rahal; Abdul-Lateef Al-Khaleefi	14:20 - 14:40
Review of relationship between PNPI and NDVI indices (Case study: monitoring of drought in Azarbaijan - Iran 2000-2005) A. S. Ardakani; B. Hasanalipour	14:40 - 15:00
Translation of Nature In Educational Environment Somayeh Roustaei-Sadri; Hasanuddin Lamit; Maasomeh Roustae Sadr abadi	15:00 - 15:20
Pulse Velocity and Rebound Hammer Test on Reinforced Concrete Slab in the Former Civil Engineering Laboratory Building Fadhluhartini Muftah; Mohd Syahrul Hisyam Mohd Sani	15:20 - 15:40

Coffee/Tea break (15:40 - 15:55)

Hall 1

Continue

۱۵:۵۵ – ۱۷:۳۵

Sustainable development Chairs: Dr. Firuz Mohammad Ramli	
Evaluating Influence Diagrams A. Hosseinian-Far; H. Jahankhani; E. Pimenidis	۱۵:۵۵ – ۱۶:۱۵
Review of Mudies, Role on sustainability of Isfahan City M. Amjad; M. Hemmasian Ettefagh; M. Jahanbazi Goojani	۱۶:۱۵ – ۱۶:۳۵
Urban densification and the Compact model Boualem El Kechebour	۱۶:۳۵ – ۱۶:۵۵
The New Sense Of Design In The Historical Industrial Zone In Safranbolu Saadet Gündoğdu; Fuat Fidan	۱۶:۵۵ – ۱۷:۱۵
THE INFLUNCE OF SECONDARY SCHOOL TEACHERS ON EDUCATIONAL SUSTAINABILITY IN MUBI NIGERIA A. H. Abba; F. A. Bashir; Y. A. Dodo; S. Sivanathan; P. I. Sunaryathy	۱۷:۱۵-۱۷:۳۵

DAY 1
Saturday March 24th, 2012
Hall 2
 14:00 – 15:45

Electrical, Communication Engineering (ECE) Chairs: Prof. Hyo Choi	
Smart Grid Applications in Iran A.Ashraf-Hesari; A. Hosseinian-Far	14:00 – 14:20
Power of Positive and Negative Thoughts Extracted from EEG Signals to Find a Biometric Similarity Sagheb Kohpayeh Araghi; Zeinab Pouladmast Ghadiri; Tanya Koopayeh Araghi; Naeim Pirmehtar	14:20 – 14:40
OPTIMIZATION OF EXPENSES FOR MANUFACTURING COMPANY BY STATISTICAL MODEL Saeid G. Jafarzadeh; Mohd Nizam Ab. Rahman; Dzuraidah Abd. Wahab; SM Kamel Hosseini	14:40 – 15:00
Design, Analysis and Comparison of Multilayer Electro Thermal Micro Actuators for MEMS Application P. K. Patowari; G. Dutta; K. Kalita; G. C. T. Reddy; S. K. Saikia; H. Kalita	15:00 – 15:20
Improving Peak Data Rate in LTE Toward LTE-Advanced Technology A. Z. Yonis; M. F. L. Abdullah; M. F. Ghanim	15:20 – 15:40

Hall ۲

Continue

۱۵:۵۵ – ۱۷:۳۵

Computer Engineering and Linguistics Chairs: Dr. Iman Attartzadeh	
Thai Insult Detection System Based On Linguistic Features Analysis Tanasanti Jirapon; Phokharatkul Pisit; Buntilov Vladimir; Kanoksilpatham Budsaba	۱۵:۵۵ – ۱۶:۱۵
A Novel IT-based Access Management System and Authentication Method Farhang Padidaran Moghaddam; Riza Sulaiman; Mohamed B. Daud	۱۶:۱۵ – ۱۶:۳۵
The Role of Hydrogen on Dielectric Properties of Silicon Nanoclusters Sib Krishna Ghoshal; M. R. Sahar; R. Arifin; K. Hamzah	۱۶:۳۵ – ۱۶:۵۵
Integration of Computer Technology in Teaching and Learning Models and Strategies Zahra Hosseini; M. Azimi	۱۶:۵۵ – ۱۷:۱۵
AN INTERACTIVE TOOL FOR INNOVATIVE ARCHITECTURAL DESIGN WORKS: EDUDESIGN Ahmet Emre DİNÇER; G. Çakır	۱۷:۱۵-۱۷:۳۵

DAY 2
Sunday March 20th, 2012

Hall 1

8:30 – 10:10

Soil, Foundation and Geotechnical Engineering Chairs: Dr. Lawal Billa and Prof. Krishna Murali	
THE AEROSOL LOADING FOR INLAND AND CLOSE-SHORE CITY DERIVES FROM URBAN ATMOSPHERIC MODEL Wan Noni Afida Bt Ab Manan; A. Asmat; N. Ahmad	8:30 – 8:50
Identification of aerosol sources based on the aerosol optical properties in Kuching, Sarawak Khairunnisa Bte Abd. Jalal; A.Asmat; N.Ahmad	8:50 – 9:10
Earth Stabilized Concrete Durability KHARCHI Fattoum; CHAIBEDRA Sihem	9:10 – 9:30
Cyclic Loading Effect on the Uniaxial Compressive Strength of Weathered Rock N. A. Mohd Salim; Z. Mohamed	9:30 – 9:50
Metallic Nanoparticles Enhanced Surface Plasmon Resonance in Tellurite Glass Asmahani Awang; S. K. Ghoshal; M. R. Sahar; R. Arifin	9:50 – 10:10

Coffee/Tea break (10:10 – 10:20)

Hall 1

Continue

10:20 – 12:40

Civil Engineering & Geo-information Technology Chairs: Dr. Arnis Asmat	
Extraction of threshold for partial duration series (Case Study:Mashhad,Iran) Hamid-Reza Asgari; Ali Ghiami Bajgirani; Shokoufeh Pourshahabi; Bahare Asgari	10:20 – 10:40
Attitude Dynamics of Floating Bodies with Irregular Configurations as Determined by a Computational Model Jiann Lin Chen; Y.C.Jhu; G.S.Li	10:40 – 11:00
Investigate the Potential and Limitations of Meta-heuristics Algorithms Applied in Reservoir Operation Systems Faridah Othman; M. S. Sadeghian; Mohammad Heydari	11:00 – 11:20
Road Category wise Use of Modes in Guwahati, Assam Mokaddes Ali Ahmed	11:20 – 11:40
Wind Energy Estimation from Forecast Wind Data Siti-Noratiqah Mohamad-Deros; A. Asmat; S. Mansor	11:40-12:00
Conceptualizing Alkali Pozzolan Cement Chandana Kulasuriya; Vanissorn Vimonsatit	12:00-12:20
A review on non-linear unsteady one dimensional flow in coarse porous media Amir-Hosein Bakhtiarian; Morteza Shokri; Mehrdad Razmara	12:20-12:40

Lunch Break (12:40- 13:00)

Hall 1

Continue

13:00 – 15:40

Earthquake, Construction Materials, Reinforcement Chairs: Prof. Arun Saraf Kumar	
The influence of alloying elements to achieving the mechanical properties of high tensile bolts and nuts Mohammed A. Gebril	13:00 – 13:20
Study on size effect of RC deficient beam-column joints with and without retrofitting under cyclic loading A. M. Choudhury; A. Dutta; S. K. Deb	13:20 – 13:40
Seismic hazard microzonation of Guwahati city T. Rahman	13:40 – 15:00
Live-Bed Local Scour around Wing-wall Abutments A. K. Barbhuiya; M. H. Mazumder	15:00 – 15:20
What does the Great Earthquake challenge communicators in science and technology? Ken Saito	15:20 – 15:40

Coffee/Tea break (۱۵:۴۰- ۱۶:۰۰)
Brain Storming and Closing Ceremony (۱۶:۰۰-۱۶:۳۰)

DAY ۲
Sunday March ۲۵th, ۲۰۱۲
Hall ۲
۸:۳۰ – ۱۰:۱۰

Computer Engineering & Computer Science (CECS) Chairs: Dr. A. Eftekhari	
Artificial Neural Network to Predict Equilibrium Local Scour Depth around Semicircular Bridge Abutments S. A. Begum; A. K. Md. Fujail; A. K. Barbhuiya	۸:۳۰ – ۸:۵۰
General Security from the viewpoint of Entrepreneurship and Economic Development Golnaz Saidi	۸:۵۰-۹:۱۰
Innovation of new Islamic financial instruments Mohsen razmi; Reza Abbaspour	۹:۱۰-۹:۳۰
Creating the GIS based Electrical Asset Mapping and Consumer Indexing of Gudiyattam Town, Tamilnadu Mohammad Moinuddin Afroz; T. Vijaya Lakshmi	۹:۳۰-۹:۵۰
Role of SMO and SEO in e-Tourism information search Farhad Rezazadeh; Zamzam Rezazadeh; Hossein Rezazadeh	۹:۵۰-۱۰:۱۰
برای ارائه نمی آید اگر هم به پوستر بخش کامپیوتر برود همین یک مورد است	

Coffee/Tea break (۱۰:۱۰- ۱۰:۲۵)

Hall ۲**Continue**

۱۰:۲۵ – ۱۲:۴۵

Computer Networks and Distributed Systems and Information Technology	
Chairs: Prof. Saman de Silva	
A Study on Crises Management System in Collaborative Smart Homes Farhang Padidarvan Moghaddam; Riza Sulaiman	۱۰:۲۵ – ۱۰:۴۵
Pseudo Triangulation of Point Set Using Polygon Construction Reza Naghizadeh Majid	۱۰:۴۵ – ۱۱:۰۵
Analysis of Centrality Measures in an Evolutionary Academic Social Network Vala Ali Rohani; Siew Hock Ow	۱۱:۰۵ – ۱۱:۲۵
ENABLERS OF KNOWLEDGE SHARING THROUGH MOBILE SHORT MESSAGING SERVICE Abida Ellahi	۱۱:۲۵ – ۱۱:۴۵
A Comparative Analysis of Turkish and European Union Regulations Concerning Use of Sewage Sludge in Agriculture Kemal Yaman; E. Olhan	۱۱:۴۵-۱۲:۰۵
A review of Spatial Multi Criteria Decision Making Ali Reza Afshari; Rosnah Mohd Yusuff	۱۲:۰۵ – ۱۲:۲۵
A priority-based IP/MPLS management scheme Case-study: Smart Grids M.H. Yaghmaee; B. Mobahseri	۱۲:۲۵ – ۱۲:۴۵

Designing and constructing audio transfer system via FSO type telecommunication channel M. Kh. Emadi;M. A. Ebrahimi برای ارائه نمی آید اگر هم به پوستر بخش برق برود همین یک مورد است آیاد برنامہ باشد؟	۱۲:۴۵-۱۲:۰۵
--	-------------

Lunch Break (۱۲:۰۵- ۱۴:۰۰)

Hall ۲

Continue

۱۴:۰۰ – ۱۵:۴۰

Architecture and Urban	
Chairs: Dr. Zulkiflee Abd Latif	
Conceptual Design Framework for Sustainable Structures Chandana Kulasuriya; Vanissorn Vimonsatit	۱۴:۰۰ – ۱۴:۲۰
Assessment of groundwater quality for irrigation purpose in Amol Plain, Iran Tahoorah Sheikhy-Narany; Mohammad Firuz Ramli; Ahmad Zaharin Aris; Wan Nor Azmin Sulaiman; Kazem Fakharian	۱۴:۲۰ – ۱۴:۴۰
Sport Mega-event, Long-term Benefits and Urban Development in Cities: Case of Kuala Lumpur Malaysia M. Barghchi; D. Omar; M. S. Aman	۱۴:۴۰ – ۱۵:۰۰
Development of Slum Information System for Planning and Governance of Urban Areas Using Geomatics B. Shashi Mohan; T.Vijaya Lakshmi	۱۵:۰۰-۱۵:۲۰

Safety Management System; A Developed Measurement of Safety Factors in Construction Projects Zubaidah Ismail; Samad Doostdar Somarin	10:20-10:40
Coffee/Tea break (10:40-11:00) Brain Storming and Closing Ceremony (11:00-11:30)	

DAY 2
Sunday March 20th, 2012
Hall 3

Registration: 8Am-9AM

Welcome Speech by Prof. Shattri Mansor (Malaysia)

Note by Dr. Said Pirasteh (Canada)

9:00 to 12:40

LIDAR Workshop

Chairs: Dato' Prof. Nik Nasruddin Mohamood	
LIDAR Remote Sensing and Applications Prof. Jonathan Li, University of Waterloo, Canada	9:00 - 10:10
Coffee/Tea break	
CONTINUED LIDAR Remote Sensing and Applications	10:20-12:00

Prof. Jonathan Li, University of Waterloo, Canada	
CONTINUED Advancements in Airborne LiDAR Technology and its Applications Norhan bin Mat Yusoff; GROUND DATA SOLUTIONS R&D SDN BHD.	12:00 – 12:45

Lunch Break (12:45- 14:00)

DAY 2
Sunday March 20th, 2012

Hall 3

14:00 to 15:45

STEP INTO THE FUTURE-ADMISSION IN DEWEY COLLEGE-THE UNIVERSITY OF WINNIPEG. CANADA

Chairs: Mr. Sam Farnoosh	
STEP INTO THE FUTURE-ADMISSION IN DEWEY COLLEGE-THE UNIVERSITY OF WINNIPEG. CANADA Dr. Donna Zhang , Canada	14:00 – 15:45

Poster Session

مكان؟؟؟؟

DAY ١

Saturday March ٢٤th, ٢٠١٢

١٤:٠٠ to ١٦:٠٠

No.	Civil Engineering & Geo-information Technology
Paper's Title	
١.	Effect of cementitious additions on mechanical properties of micro concretes K. Arroudj; A. Zenati; M. Lanez; M. N. Oudjit

۲.	Sireh of the Prophet on the art of painting and Islamic architecture Mostafa Rajaeipour; Reza Abaspour; Majid Yazdani
۳.	Microwave Remote Sensing and Soil Moisture analysis in semi arid Environment For Climate Change using Backscattering Coefficient ($\Sigma\sigma$) S. Mohd. A Rizvi; Saied Pirasteh; Amir A. Mahmoudzadeh
۴.	Surface Roughness Improvements of Grey Cast Iron Grade ۲۰ Bearing Cap With Green Sand Casting Rakesh Kumar; Raj Kumar Yadav; Supinder Singh
۵.	Performance Of Rice Husk Ash Concrete Exposed To Sea Water P. Chandan Kumar; P. Malleswara Rao; M. Potharaju; I. Patnaikuni
۶.	Outgoing long-wave radiation over earthquake regions Josodhir Das; Vineeta Rawat; Arun K.Saraf
۷.	The study of the effect of structural elements on the Karst water resource abundance in the Dehdasht area using GIS Kh. Shafiei Motlagh; S. Pirasteh; S. Zahermand
۸.	The effect of land use on the occurrence of road accidents in Ghaemshahr city Rozita Saki; Farhad Mehryari; Ali Asghar Aleshikh
۹.	Application Loess Soils in Establishment of Small Embankment Dams Hamid-Reza Asgari; Saeed Alizadeh; Abolfazl Shamsai
۱۰.	Comparing the Upwind and Central methods in estimating bed slope source term in shallow flows with standing shock waves

	Ebrahim Alamatian; M. R. Jafarzadeh; J. Alamatian
۱۱.	The analytical model of the BRBF system for strengthening the RC building Javad Alamatian; H. Jabbari; M. Samadi; Ebrahim Alamatian
۱۲.	The Influence of Natural Pozzolan Content on Durability of High Performance Concrete A. Talah; F. Kharchi; R. Chaid; A. Merida
۱۳.	The characteristics of suitable home from Islam point of view in comparison with Modern architecture Majid Yazdani; Mostafa Rajae-Poor; Reza Abaspour
۱۴.	Risk Analysis of the Slope Stability of Embankment Dam Using Three Different Approaches Seyed Masoud Manafi Ghorabaei; Ali Noorzad; Mohammad-Reza MahdaviFar; Azad Soleimannejad
۱۵.	Improvement the Urban Planning Structure in Mashhad metropolis and Shandiz-Iran by Ulman Model Behzad Nadi; Ibrahim Komoo; Elmira Shamsiry; Mazlin Bin Mokhtar; Mahmud Javid Rad; Asdollah Divsalar
۱۶.	Contribution to the study of the corrosion of the pouzzolana high performance concrete (HPC) in sulfates M. Ahcene; T. Aissa; K. Fettoum; C. Rabah
۱۷.	Lead [Pb^{۲+}] removal using Palm Oil Fuel Ash as adsorbent Sarah Aqilah Bt. Anwar; Mhd Radzi Bin Abas; Mohd Jamil Bin Maah

۱۸.	Building detection using hyperspectral images by support vector machines D. Akbari; M. R. Saradjian; M. Moradizadeh
۱۹.	Safety Management System; An Evaluation of construction safety factors by using Analytic Network Process (ANP) Zubaidah Ismail; Samad Doostdar
۲۰.	Mashhad Metropolis and Around City: Planning For Reducing Of Shandiz Insufficiency Generative-Services Asdollah Divsalar; Elmira Shamshiry; Mahmud Javid Rad; Behzad Nadi
۲۱.	Integrating risk management and value engineering in the development of renewable energy project H. R. Feili; S. Nasiri; N. Akar
۲۲.	Evaluation of the gasoline evaporative losses rate and techno-economical and environmental comparison of the environmental of the VRU for recovery of volatile vapors emission from chosen gas stations in Tehran Mohammad-Reza Khani; Hamid-Reza Eisae; Gholam-Reza Mousavi; Hossein Kazemian
۲۳.	Surface soil moisture retrieval using a regression method applied on polarimetric SAR images M. Moradizadeh; M.R. Saradjian; D. Akbari
Architecture and Urban	
Paper's Title	

۲۴.	Channel Characterization for Broadband Power Line Communication System Ali Hosseinpour Najarkolaei; Amin Hosseinian-Far
۲۵.	Earthquake effects on water line life in city and designs against crisis in accordance with the term of Iran Mohammad-Reza Sadeghi-Moghaddam; F. Ghariblou; Z. Sheshpari; S. Azimi
۲۶.	Analysis and evaluation of urban sustainability indexes in greater Mashhad Mohammad-Rahim Rahnema; Masood Davarinezhad; ;Mohammad-Reza Mabhoot
۲۷.	The Institutional and Legal Arrangements for Stakeholder Participation in Urban Waste Management in Iran-Tehran case Mehri Ahmadi; Halimaton Saadiah Hashima; Ahmad Fariz Mohameda; Naser Moharamnejad
۲۸.	Evaulation and possibility of Virtualization for real spaces in architecture (The Case study : Office spaces and Virtual &real Incubators of science and technology parks) Hamideh Ghabeli; Mohammad Iranmanesh
۲۹.	Studying the challenges in the field of accessing to safe water in urban environments A. Norouzi; S. Mottaghi; M. Shafagati
۳۰.	Application of the concept Transit-Oriented development in linear urban spatial structures: (Fereidunkenar as the case study) Maedeh Hedayatifard; Mojtaba Hosseinian
۳۱.	Indoor Lighting of the Classes and Its Effects Sahar Sojoudi; Mohd Fakri Zaky Bin Jaafar

Indexed by author's name

Name	Email	Page
