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Research Article

Open Access Research Article PTZAID:JCEES-8-151

Seismic early warning systems for the transport cascade under the “SHIPKA” pass

Published On: May 25, 2022 | Pages: 057 - 061

Author(s): Philip Philipoff*, Violeta Komitova, Atanas Mangarov, Stanimir Karapetkov, Elka Radeva, Boyko Ranguelov, Simeon Panev, Blagovest Panev, Ina Antonova, Diana Bankova and Dimo Dimov

The report presents an early warning system against earthquakes of the conceptual design of the tunnels under the “Shipka” Pass. Bulgaria gives many victims on the roads - those killed in traffic crashes and accidents. In the case of tunnel facilities in seismic areas, chain accidents in tunnel pipes are particularly dangerous. Early warning systems for tunnels make i ...

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Reflectance study of soil silt using proximal sensing in Northern Iran

Published On: April 26, 2022 | Pages: 048 - 056

Author(s): Majid Danesh*, Mohammad Ali Bahmanyar and Seyed Mostafa Emadi

The study of silt fractions using the traditional methods, especially on large scales, is time-consuming, laborious, and costly. The present work intends to investigate the spectral behaviors of the soil silt fraction using reflectance spectroscopy technology. Accordingly, 128 soil samples were collected from 20cm of soil surface of Mazandaran province, northern Iran. ...

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An investigation on the safety of children on the roads of Gaza, Palestine

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Author(s): Yahya R Sarraj* and Basma Bashbash

The traffic safety system in Palestine needs major improvements. Traffic accident data in Gaza Strip are collected from crash reports recorded by the local Police. In many cases, roads are constructed without proper consideration of children's needs. However, children and young kids use the roads as pedestrians, bicyclists, and occupants of vehicles. Moreover, they mi ...

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Validating integrated environmental solutions software for air temperature of a typical Malaysian recessed wall façade office building

Published On: February 23, 2022 | Pages: 031 - 040

Author(s): Muhammed Gambo Abdullahi, Henry Ojobo, Mustapha Sani, Ahmad Usman Naibi, Miriam Ijeoma Chukwuma-uchegbu and Muhammad Saidu Aliero*

Technological advances have assisted in the development of modern software tools which can be used to assess and improve the energy efficiency of a building at the early stage of conceptual design. However, this study aims at validating the accuracy of one of the paramount building simulation software Integrated Environmental Solutions - Virtual Environment (IES-VE), ...

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Performance of residential property investment returns in an emerging metropolitan area. The awareness, use and gender inequality

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Author(s): Muhammad Saidu Aliero*, Salihu Nasiru, Henry Ojobo and Yakubu Aminu Dodo

This study assessed the performance of residential property investment returns. To ascertain the awareness, use, and gender inequality in the usage of residential performance data by investors. The paper focuses on risk-return features of the tenement, two and three-bedroom property for investment purposes, in order to improve the understanding of the property market ...

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The nature of post-occupancy modifications of selected low-income housing estates in Nigeria

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Author(s): Miriam Ijeoma Chukwuma-Uchegbu and Muhammad Saidu Aliero*

This paper aims to evaluate the nature of post-occupancy modifications of selected income housing estates in Nigeria. The research adopts both the quantitative and qualitative approaches and is essentially survey-based. Therefore, the research population is all housing units of low-income public housing estates in Owerri Metropolis. A simple random technique was furth ...

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Building energy consumption assessment during and after lockdown: Case study of Malaysian housing

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Author(s): Tareq Gaber Farea, Mohd Zin Kandar, Zulai Jarmai Baba-Girei, Kasham Jummai Shamang, Lukman Muazu Lukman and Muhammad Saidu Aliero*

The COVID-19 pandemic caused devastation to society in 2020, forcing people all across the world to alter their lifestyles.

During the pandemic, people spent more time at home, and this shift in occupancy can directly influence building energy usage. COVID-19 lockdowns hastened the transition to telework, which many predict will continue. Changes in energy usage durin ...

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Stormwater management a case study of Nashik city

Published On: January 04, 2022 | Pages: 001 - 003

Author(s): Sakshi R Chandwadkar, Mayuri N Gangode*, Harshada S Bhamare and Mrunal S Pawar

Stormwater management means to manage surface runoff. Stormwater management can reduce the runoff of rainwater. It includes controlling flooding and reducing erosion to improve water quality. This Strategy used in our Nasik city (Untwadi Road Signal) to prevent the impacts of Stormwater. We know that, in rainy season the water is flow over the ground surface. This rai ...

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