

CONFERENCE ON URBAN PLANNING & MANAGEMENT IN MALAYSIA

In Conjunction with 40th Anniversary of MIP
and World Town Planning Day 2012

*Renaissance Hotel, Kuala Lumpur
8th November 2012 (Thursday)*

Jointly Organised by:



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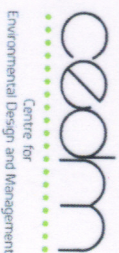
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on of Land Cover Changes Using Remote Sensing and Geographical Information System

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Abstract

Rapid urbanization strains a country's capacity to meet new urban developments, and the consequences brought serious losses of arable land, forest, transforming the spatial pattern of urban land uses worldwide and polluting water bodies. Urban expansions have not only increased the exploitation of natural resources but it has also changed the land cover patterns. The objective of this research is reviewing changes in land cover pattern using sensing imagery and GIS approach. Recently, land cover types can be directly derived from remotely sensed data, which provides a powerful way to monitor urban environment and human activities. The analysis of the satellite images using geographical information system (GIS) are often used to determine the changes in the land cover patterns. The finding of this paper demonstrates the usefulness of a remote sensing and GIS approach in detecting, monitoring and analyze the changes of land cover particularly in urban area. Finally, a discussion of the needs for further research is presented.

Keywords: Remote Sensing, GIS, Change Detection, Land Cover and Urban Planning

Planning and Compensation at Local Planning in Peninsular Malaysia

Concept and Implementation of Buffer Zone for Protected Areas in Land Use Planning

Theme 6: Urban Design and Heritage

A Car Free City Concept Based On Sustainable Urban Design Indicators

The Incorporation of Spiritual and Sacred Sites in Enhancing the Management of Protected Areas

The Links between Crime and Planned Housing Areas: The Malaysia Case

A Study on Community Involvement in Safeguarding Intangible Cultural Heritage of Baba Nonya Culture in Jalan Tun Tan Cheng Lock and Jalan Hang Jebat, Melaka

Malaysian Urban Parks and Open Spaces: Lacking of vision or lacking of spaces?

Urban Livability: Investing in People, Place and Ecology

Variations of Grid Residential Layout Examined: Safety at Street Scale

Theme 7: Planning Technology and ICT

Detection of Land Cover Changes Using Remote Sensing and Geographical Information System

Measuring Urban Sprawls On Highway Strip Parameters Using GIS Approach

The Study on Consumers' Acceptance And Participation In The Electronic Land Administration Management System

GIS Application in Identifying Barriers to Youth Accessibility to Recreation Parks

An Integrated Geographical Information System (GIS) and Location-Allocation Model in Public School Siting

A Literature Review on the Factors Influencing Employees' Preference towards Telecommuting

Beach Resort Evolution In Batu Feringgi, Penang

Social Networking Sites as a Medium to Disseminate Planning Information

Theme 8: Social Aspect in Planning

Application of Community via Planning Support System to Study

Urban Redevelopment in Kampong Bharu, Kuala Lumpur

Embracing Cultural Identity through Cultural Activities

Car free environment and quality of interaction between people

Bridging the Importance-Satisfaction Gap in Urban-Rural

Quality of Lives: Implications for Planning

Smart Communities and Neo-Urbanism in India: Tracing the

Development

Quality of Life of the Low Income Housing: A Review of

Literature

Coastal Transformation towards a Nature Base Tourism: The

Impacts on Tioman Island Malaysia

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