



香港地理信息系統學會

Hong Kong Geographic Information System Association

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SEMINAR

Developing a Proprietary Spatial Data Engine and a Spatial DBMS

By

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Croucher Foundation Visitorship for PRC Scholars 2003-04
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23 September 2004 (Thursday)

6:30 - 7:30 pm

Hui Oi Chow Science Building
Rm. 222 Multimedia Workshop I
Department of Geography
The University of Hong Kong

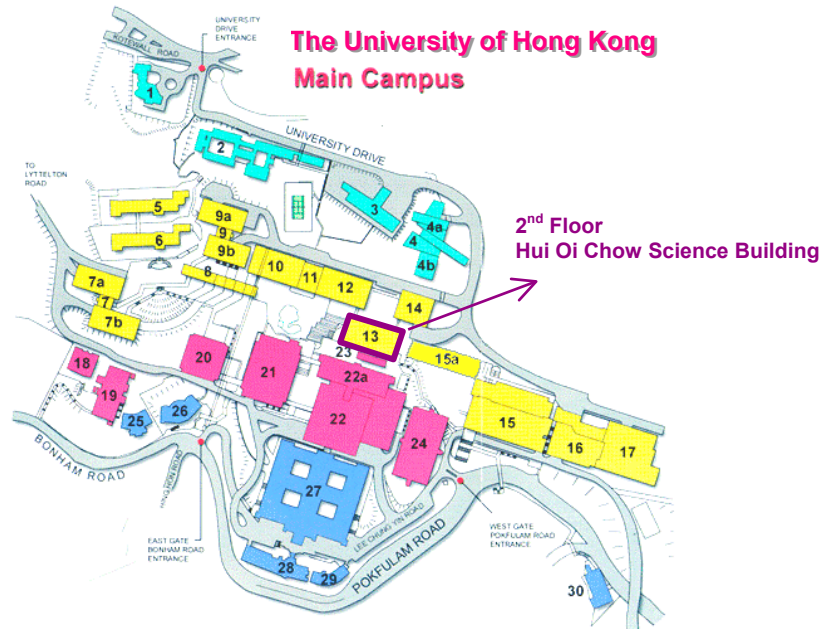
Speech to be delivered in Putonghua

Abstract

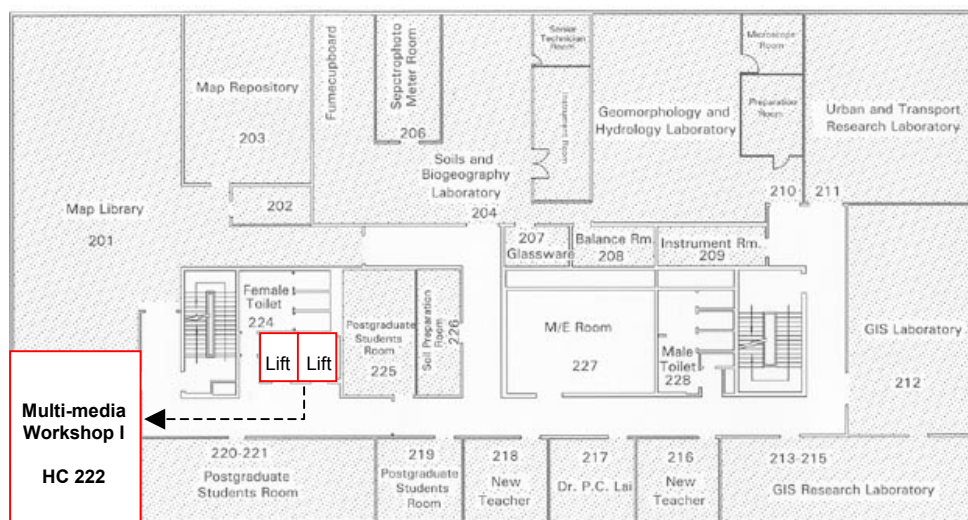
Spatial data engine and spatial data management system (Spatial DBMS) are undoubtedly crucial technologies that enable a GIS to handle large spatial databases but also serve an important index to evaluate the level of GIS development. In this speech, the speaker will firstly introduce the state-of-the-arts spatial data engines and spatial DBMS, point out concerned theoretical problems and technological cruxes, and analyze advantages and disadvantages of the different development manners. Then the speaker will discuss how to develop a proprietary spatial DBMS with a case project. The implementation procedures of relevant technologies will be highlighted, including spatial entity-relationship models, big spatial database for managing digital maps of over thousands of sheets in different formats, spatial engines and API, data manipulation operators embedded in spatial DBMS, as well as the independent client GUI operating system and visualization issues.

ALL ARE WELCOME

The seminar is open to all members and non-members



Chong Yuet Ming Amenities Centre	8 James Hsioung Lee Science Building	14 Senior Common Room	20
Chong Yuet Ming Chemistry Building	7a K.K. Leung Building	20 Simon K.Y. Lee Hall	16
Chong Yuet Ming Physics Building	7b Kadoorie Biological Science Building	24 School of Professional and Continuing Education	25
Chong Yuet Ming Science Buildings	7 Knowles Building	21 Students' Union	16
Chow Yei Ching Building	17 Library Annex	23 Swire Building	19
Convocation Room	27 Library Building (New Wing)	22 Swire Hall	19
Council Chamber	9b Library Building (Old Wing)	22a T.T. Tsui Building	25
Eliot Hall	6 Loke Yew Hall	27 Tang Chi Ngong Building	18
Fong Shu Chuen Amenities Centre	19 Main Building	27 University Conference Centre	4b
Foundation Chamber	6 May Hall	5 University Drive No. 2	3
Fung Ping Shan Building	26 Meng Wah Complex	9 University Lodge	1
Graduate House	4 Pao Siu Loong Building	29 University Museum & Art Gallery	25,26
Haking Wong Building	15 Podium Annex	15a Wang Gungwu Lecture Hall	4b
Hong Kong Jockey Club Building	4a Rayson Huang Theatre	11 Wong Chuang Lai Wah Building	9b
Hsu Long Sing Amenities Centre	16 Robert Black College	2 Wong Chue Meng Building	9a
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Hung Hing Ying Building	28 Runme Shaw Building	10	



Hui Oi Chow Science Building, Second Floor

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