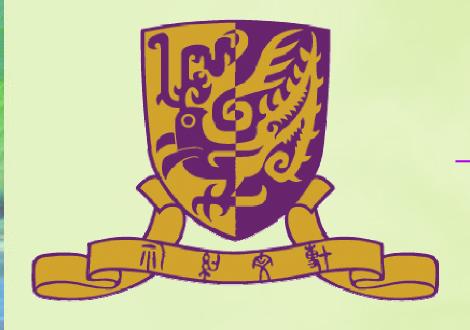
# Teaching and Learning Innovation Expo 2009

Designing An Interactive Tree Map and Campus Tree Photo Database as Teaching Aids for Green Education of the Community of CUHK

George C.K. Jor, Tess Li, Boman Ho, C.P. Lau and Jasper Ip

23rd October, 2009

### 中文大學校徽



#### 校園面積 = 134畝

"One of the most stunning campuses on this planet."

Time Magazine, 1974

一九七四年時代雜誌 描述香港中文大學爲

"在地球上最令人驚歎最漂亮的大學校園之一"



## 中大樹木計劃於二零零四年由胡秀英博士和左治強先生發起,二零零八年幸得恆生銀行贊助開展。

The CU Tree
Project (2008-2010)
was initiated by Dr.
Siu-ying Hu
and George C.K.
Jor in 2004 and
funded by Hang
Seng Bank in 2008.



## The Chinese University Tree Project

Sponsored by

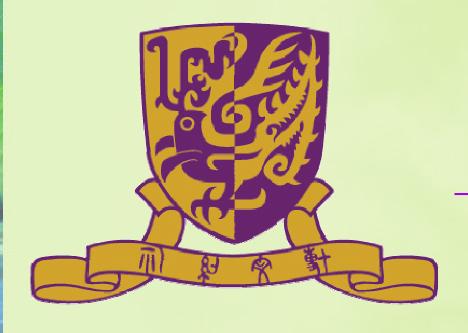




## **Tree Project Objectives**

- To facilitating the change of the campus into a botanical garden for public enjoyment and nature education.
- To popularize knowledge of the rich flora on campus by scientific signage
- To strengthen the sense of belonging of the alumni, staff, and students of CUHK
- To raise awareness of environmental protection with the corporate support of Hang Seng Bank, the Green Bank.

#### **CUHK Emblem**



Area = 134 hectares

Student population 20,000

Faculty and staff 5,800

Non-local students 3,000 (from 45 countries)

4 colleges now

More soon ...



## New Colleges to Come

Morningside College

S.H. Ho College

C.W. Chu College

Wu Yee Sun College

Lee Woo Sing College

晨興書院

善衡書院

敬文書院

伍宜孫書院

和聲書院

Projected number of students by 2012: 30,000

The Landscaping Section of EMO, CUHK has registered 189 species of trees, 450 of which have trunks with a diameter of 500 mm or above.

# Source: CUHK Open Day 10 Oct.'09 EMO Poster Strain and Campus





>> All trees on campus are protected >> The ArborTrack System by the Tree Preservation Policy.

With a total area of 134 hectares, the University campus is the largest among local tertiary institutions. About 60% of the campus is greenery comprising natural slopes, landscaped areas and roof gardens, which is home to about 189 tree species, including pine, willow, orchid and bauhinia, as well as a range of wildlife. Under the direction of the Campus Landscaping Enhancement Committee, the EMO began conducting a tree survey about two years ago. Trees with a diameter of at least 500 mm were measured and assessed. The data, together with their visual images and location maps, were input into a sophisticated computerized database system, the ArborTrack. The trees' physical measurements will be updated every three years and their conditions will be assessed every one to two years. There are 475 trees in the database, including rare and precious species and trees of historical value to the University. Tree tags in Chinese and Latin have been attached to the trees by EMO. The tree survey is part of the tree preservation policy which exists to protect and conserve trees on campus.

An ecologist was hired by the EMO to study the terrestrial



## Trees and Shrubs of CC, CUHK

- 1. Aleurites moluccana 石栗 Candlenut Tree
- 2 Magnolia grandiflora 荷花玉蘭
- 3 Jacaranda mimosifolia 藍花楹 Jacaranda
- 4 Melaleuca quinquenervia 白千層 Paper-bark Tree
- 5 Delonix regia 鳳凰木 Flame Tree
- 6 Ilex rotunda 小果鐵冬青
- 7 Ligustrum sinense 山指甲 Chinese Privet
- 8 Ficus benjamina 垂葉榕 Weeping Fig
- 9 Bauhinia variegata var. candida 白花洋紫荆 White Bauhinia
- 10 Bauhinia variegata 宮粉羊蹄甲 Camel's Foot Tree

## Major Tasks

- 1. Scientific survey and identification of valuable trees on campus
- 2. Tree tagging and interpretation plates and tree marks
- Development of eBook, tree maps and website
- 4. Campus-wide green activities

## Activities: Volunteer Tree-tagging



## Activities: Volunteer Tree-tagging



Activities: Volunteer Tree-tagging



## **Activities**

b) Helping with the annual Walk for Heath Campaign

## **Activities**

 c) Walking for Health Campaign and Campus Flora

1st Walk on Mar. 13, 2007, 400 students 2nd Walk on Nov. 17, 2007, 600 students 3rd Walk on Jan. 9, 2009. 650 participants

## Activities: Walk for Health



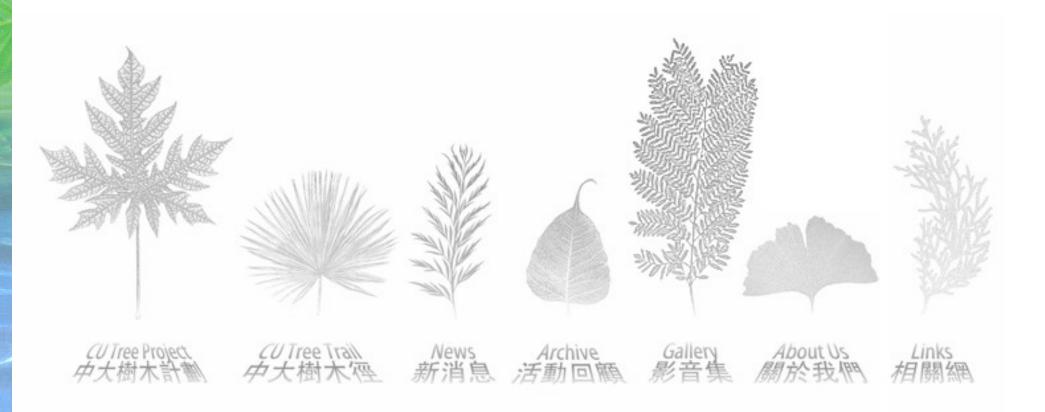




## Activities: Tree Seminar 2009



# CELVED Education Group CUHK 中大線色生活小組



## Green Education Group Website

- CU Tree Project
- CU Tree Trail
- CU Tree Database
- New Activities and Archives
- Photo albums
- Gallery and Links

## New Asia Tree Map as an Example

CU Tree Project 中大樹木計劃

#### 新亞書院樹木



1
蒲桃
Rose Apple
2
龍柏
Dragon Juniper
3
黄金間碧竹
Stripe Bamboo
4
台灣相思
Taiwan Acacia
5
桃

Peach

6
羅漢松
Buddhist Pine
7
白千層
Paper-bark Tree
8
細葉榕
Chinese Banyan 9
異葉南洋衫
Northfolk Island Pine
10
印度橡樹
India-rubber Tree

1 转竹 / 黑竹 lack Bamboo 2 川圓齒火棘 ire-thorn 3
日錢柳
all Bottle Brush 4
<b>、佛肚竹</b>
Vamin Bamboo 5
<b>、棉</b>
ree Cotton

and the later of t
21
變葉木
Garden Croton
22
木麻黄
Horsetail Tree
23
短穗魚尾葵
Small Fishtail Palm
24
黄花夾竹桃
Yellow Oleander
25
象牙花
Ivory Coral Tree

## New Asia Tree Map - an Example

"A combination of art and science"

- Dr. S. Y. Hu, Senior Advisor



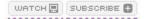


#### Featured podcasts



#### About CUHK

Things you need to know about CUHK





#### Podcast Series for SLW9602 (Principles of Land Law) (weekly

audio) by Prof. Michael Lower of the Faculty of Law. These podcasts will be a series of ... (More)







#### New Thinking in Management (weekly

audio) Radio series hosted by Prof. Andrew Chan, Director of the EMBA Programme, and Prof. Leo Sin of the Department of Marketing.



LISTEN (1) SUBSCRIBE (1) ITUNES (1)





Teachers' Stories (monthly audio) is a series of stories about teachers told by Dr Paul Sze of Faculty of Education, and stories told by teachers themselves about memorable incidents in their teaching







#### TIPS

About Podcast@CUHK

Getting Started

#### TOP PODCASTS

About CUHK

Podcast Series for SLW9602 (Principles of Land Law)

#### CATEGORIES

CUHK

CUHK: TEACHING &

LEARNING

CUHK: SHARING



#### CU Trees and Green Education

(monthly audio/video) is a series of stories about CU trees and green education told by Mr. George Jor, CU Tree Project Holder (Working Group Convener).





ttps://xserver1.itsc.cuhk.edu.hk/

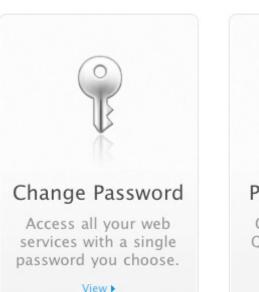
Q → CUHK podcast

## Mac OS X Server

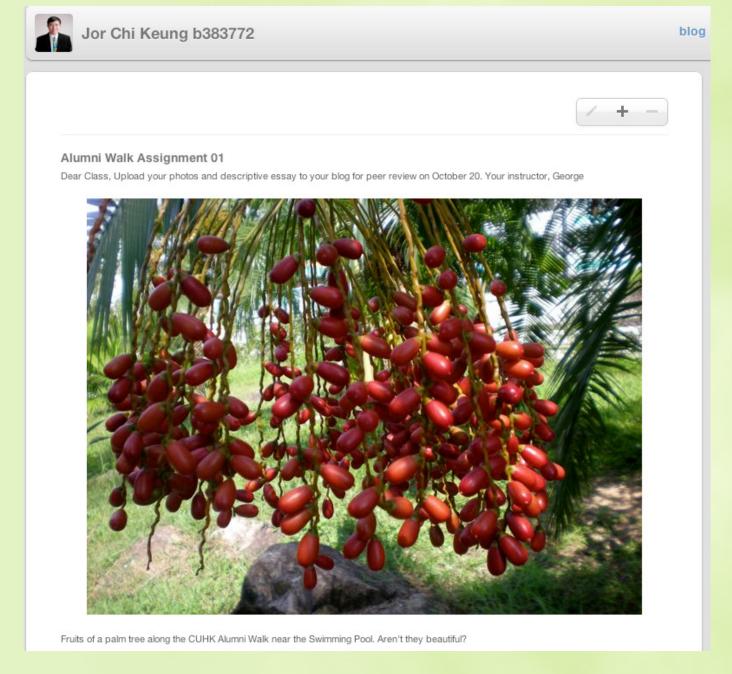
Please select from these available web services











Samples of Students' Assignment 01 (NOT TO BE TAKEN AWAY)

**Description of the Alumni Walk** 

By year-one architecture majors in the course ELT 1410 English for Architectural Studies

Challenge-based Learning (CBL)

Student / Learner 1.0 (1:35)

http://www.youtube.com/watch?v=KM2Iv 5D10Bs

Challenge-based Learning (CBL)

Student / Learner 2.0 (1:28)

http://www.youtube.com/watch?v=by\_eU
i2C\_g8

Challenge-based Learning (CBL)

Student / Learner 3.0 (1:40)

## Final Thoughts

What is the difference between a student and a learner?

(Your suggestions)

## Acknowledgement

Sponsorship of

恆生銀行-綠色銀行 Hang Seng Bank