

# 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

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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  
描述香港中文大學為

“在地球上最令人驚歎最  
漂亮的大學校園之一”



香港中文大學樹木計劃 胡秀英博士





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



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# 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

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

4 colleges now

More soon ...

# New Colleges to Come

Morningside College

晨興書院

S.H. Ho College

善衡書院

C.W. Chu College

敬文書院

Wu Yee Sun College

伍宜孫書院

Lee Woo Sing College

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

# Sustainable Campus

## Campus Ecology



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

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 life ecology on campus. The Phase 1 Monitoring



# Trees and Shrubs of CC, CUHK

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

# Major Tasks

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





# Activities: Volunteer Tree-tagging



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# Activities: Volunteer Tree-tagging



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# Activities: Volunteer Tree-tagging



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# Activities

- b) Helping with the annual Walk for Health 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



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# Activities: Tree Seminar 2008



13/12/2008



# Activities: Tree Seminar 2009



20 6 2009



# GREEN

Education Group CUHK

中大綠色生活小組



CU Tree Project  
中大樹木計劃



CU Tree Trail  
中大樹木徑



News  
新消息



Archive  
活動回顧



Gallery  
影音集



About Us  
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Links  
相關網



# 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	6 羅漢松 Buddhist Pine	11 紫竹 / 黑竹 Black Bamboo	16 番木瓜 Papaya	21 變葉木 Garden Croton
2 龍柏 Dragon Juniper	7 白千層 Paper-bark Tree	12 細圓齒火棘 Fire-thorn	17 小葉琴絲竹 Stripstem Fernleaf	22 木麻黃 Horsetail Tree
3 黃金間碧竹 Stripe Bamboo	8 細葉榕 Chinese Banyan	13 串錢柳 Tall Bottle Brush	18 秀英竹 Shiuying Bamboo	23 短穗魚尾葵 Small Fishtail Palm
4 台灣相思 Taiwan Acacia	9 異葉南洋杉 Northfolk Island Pine	14 大佛肚竹 Wamin Bamboo	19 筆管榕 <i>Ficus subpisocarpa</i>	24 黃花夾竹桃 Yellow Oleander
5 桃 Peach	10 印度橡樹 India-rubber Tree	15 木棉 Tree Cotton	20 青竿竹 / 花眉竹 Verdant Bamboo	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





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**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).

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# eLearning Strategies with Podcasting & Blogging

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

CUHK podcast

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# eLearning Strategies with Podcasting & Blogging



Jor Chi Keung b383772

blog



## Alumni Walk Assignment 01

Dear Class, Upload your photos and descriptive essay to your blog for peer review on October 20. Your instructor, George



Fruits of a palm tree along the CUHK Alumni Walk near the Swimming Pool. Aren't they beautiful?

November 10, 2009



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# eLearning Strategies with Podcasting & Blogging

## 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





# eLearning Strategies with Podcasting & Blogging

## Challenge-based Learning (CBL)

### Student / Learner 1.0

**(1:35)**

<http://www.youtube.com/watch?v=KM2Iv5D10Bs>



# eLearning Strategies with Podcasting & Blogging

## Challenge-based Learning (CBL)

### Student / Learner 2.0

(1:28)

[http://www.youtube.com/watch?v=by\\_eU\\_i2C\\_g8](http://www.youtube.com/watch?v=by_eU_i2C_g8)





# eLearning Strategies with Podcasting & Blogging

## Challenge-based Learning (CBL)

### Student / Learner 3.0

(1:40)

<http://www.youtube.com/watch?v=hENTGSrOj5Y>



# Final Thoughts

What is the difference between  
a student and a learner?

(Your suggestions)





# Acknowledgement

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