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Intranet Home Page — Centralized Campus Information

You may already know what is Internet. Have you ever heard about Intranet? Well, Intranet means applying Internet technology within a company. In our case, Intranet means running applications using our existing Internet facilities and technologies within campus.

Both Intranet for Student and Intranet for Staff home pages have been set up in our Web site.
The Intranet page is designed so that all campus information and services can be centralized as a single starting point of reference. You may find that there are lots of pointers in the page, almost everywhere is clickable. This is because we are trying to minimize your time spending on searching the information you need.

The Intranet page is divided into several sections:

- **News**
  - News in campus.

- **Campus Information**
  - Online information like Library Online Catalogs, Electronic Notice Board and Communications Directory.

- **Web Keyword Search**
  - Search for information in campus or worldwide.

- **Services**
  - Online services in campus like CCHELP and full name e-mail alias.

- **Departmental Info**
  - Pointers to others departments in UST.

- **Download Area**
  - A new page designed so that it contains all materials that are frequently downloaded. This helps to provide a more convenient way to download software, forms or even lecture notes.

- **Staff’s/Student’s Interest**
  - Pointers or information you may find interested.

- **Web Companion**
  - Technical tips on surfing or developing Web pages.

- **Web Services in HK**
  - Pointers to others Web sites in Hong Kong.

- **WWW around the World**
  - Pointers to others Web sites in the world.

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**Download Area Web Page**
Where is Intranet Home Page?

Intranet for Staff and Student home pages have been installed as the default home pages of the Netscape Navigator in UNIX, Windows 95, Windows 3.1 and Macintosh environments in offices and computer barns, respectively.

The Intranet for Staff is located at:

http://www.ust.hk/intranet/

and the Intranet for Student is located at:

http://www.ust.hk/intranet/stu/

Send Us Comments

The main goal of the Intranet page is to provide the most useful information at your fingertips, hence we sincerely invite you to give us suggestions and comments so that we can try our best to tailor the page to fit your needs. Just send us an e-mail to: webmaster@www.ust.hk.

University Communications Directory

One of the major enhancements in our Intranet page is that we have used the Internet popular LDAP (Lightweight Directory Access Protocol) to replace our University Communications Directory system. Here you will have user changeable fields like personal home page, full Internet address, photo and even personal contact points.
Also, the search mechanism is more flexible. The **smart search** provides you a single field for searching. You may enter the name, telephone extension or campus network ID, and the system will distinguish and search for you. Besides, the **detail search** provides you specific fields so that your search will be exact.

### Communications Directory Smart Search

### Communications Directory Detail Search

#### Infoseek Search Engine

We have adopted and installed the popular Infoseek search engine in our Intranet web page. The main advantage of this over the original is that the search result will be more accurate, and since the engine is installed in our own server, the speed is also much faster. You may search different departments, whole UST, or form complicated or exact queries using the friendly interface.

#### Infoseek Search Result

- **Name**: Szeto, Bin
- **Phone**: 2358-6244
- **E-mail**: ccszeto@ust.hk

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January 1997  Issue No.27
Currently many departments in UST are operating their own WWW servers and information pages. In order to coordinate and standardize Web pages in UST, an ad hoc committee was formed. The following guide is proposed by the committee which recommends good technical practices in designing Web pages. Web administrators in UST may find it useful in maintaining their information on Web.

Guidelines are divided into two categories: the first category entails general guidelines that are strongly encouraged to be followed; whereas the second category entails good technical practices that are also recommended in designing cohesive Web pages in our University.

**General Guidelines**

- No information and medium within the page may violate any Hong Kong laws and university regulations.
- Content of the Web page should be up-to-date and accurate.
- No broken links.
- Last modified date should appear at the end of the page.
- The Web administrator or author of the page, together with his/her e-mail address, should be shown on the page so that readers can contact the person and express comments. It is preferable to have a real link in the e-mail address so that mails can be sent directly by clicking on the link.
- A link back to the main University home page (http://www.ust.hk) should be provided on each official home page, making it easier for users to find their way back.
- Each official UST Web page can and should carry the UST official emblem (to be announced).
- A copyright statement should be included in each page.
- The location of official Web pages should be on a server that is stable and available 24 hours a day. Reliable backup procedures and regular system maintenance should be performed.

**Good Practices**

- Large pages with complex graphics may take a long time to transmit. Therefore avoid using large graphics.
- GIF is the most universally supported file format for Web browsers. Use GIF format for graphics.
- Considering the default configuration of many computers, graphics should not be larger than 480 pixels wide.
- Graphics should have a text alternative (ALT tag).
- Select a background that does not detract from the readability of your text. Dark colors or complex background graphics will make it difficult to read overlaying text.
- Your page should at least appear fine in Netscape Navigator.
- Use TITLE tag to make sure your document is indexed accurately.

In addition to the guidelines above, the University reserves the right to remove information (or otherwise block its transmission) which may be inconsistent with the University's Education Mission or which may damage the general image of the University.
Network Development Updates

Dial-up Services Upgrade

An additional 48 lines have been added to the Student Regular Pool, making the total number of all modem lines to 336. All modem pools support a maximum speed of 28.8Kbps and both PPP/Slip protocol. The updated configurations are summarized below:

<table>
<thead>
<tr>
<th>Modem Pools</th>
<th>Tel. No.</th>
<th>No. of Lines</th>
<th>Session Time Limit when pool is full</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Pool</td>
<td>23584000</td>
<td>60</td>
<td>2 hours</td>
</tr>
<tr>
<td>Student Regular Pool</td>
<td>23353500</td>
<td>216</td>
<td>1 hour</td>
</tr>
<tr>
<td>Student Express Pool</td>
<td>23584937</td>
<td>60</td>
<td>15 minutes</td>
</tr>
</tbody>
</table>

Based on the dial-up usage statistics for the past months, we believe the current line provision is adequate to provide a reasonably good service level, 7 days a week, up till the end of this academic year (June 97). Hence at this moment, we will not implement quota scheme of any kind in both the staff and student pools.

For further details, please visit our dial-up web page location at:

http://www.ust.hk/ccst/services/connect/dialup/

New Staff Quarters & Student Halls

CCST has completed the extension of campus network to our new buildings, namely: Senior Staff Quarters Tower 8 - 19 and University Apartments Tower A - D.

There is a total of over one thousand data-outlets in these buildings, each of these provide dedicated 10Mbps network connection back to the campus. Users can connect their computers to our campus network immediately when they move in.
Internet Bandwidth Upgrade

A new Internet link has been set up for HKUST via Hong Kong Supernet since November 96. This new link provides dedicated 256Kbps international bandwidth for HKUST. It will be used to enhance our overseas WWW access by speeding up the proxy server and it will also act as backup path for other Internet services.

Furthermore, CCST is working with other JUCC members to upgrade the existing shared HARNET international Internet link from T1 (1.544Mbps) to E1 (2Mbps). We expect the whole upgrade will be finished by January 97.

With both of these bandwidth upgrades, we hope our users will enjoy the Internet services with significant improvement in response time.

Raymond Chau
Phone: 2358-6263
E-mail: ccrayc@usthk.ust.hk

Charles Choy
Phone: 2358-6208
E-mail: ccchoy@usthk.ust.hk

Live Video Broadcast of Congregation over Campus Network

To enable as many audiences as possible to ‘attend’ the congregation virtually through our campus network, CCST had conducted a live video broadcast of the whole 2-day event through our MBone network with the kind assistance of ETC and PAO on 21/22 November 96.

MBone stands for Multicast Backbone on the Internet. This technology forms the backbone of the Internet for distributing real-time multimedia information to millions of computer desktops worldwide. It is capable of delivering full-motion video to desktops via existing data networks rather than requiring dedicated video cables, monitors or viewing rooms.

A lot of exciting multimedia applications now become realistic. Examples of these applications are audio/video conferencing, computer-based training, video distribution, interactive TV, distance learning and campus kiosks. This conjunction of multimedia and networking promises dramatic improvements in productivity, cost and user satisfaction, as well as a generation of entirely new applications!

We were very pleased to know that more than 200 users had viewed the event through the network where 80% of them were using their desktop PCs! The viewers of the event were from nearly anywhere in campus with a network connection (including nearly all departmental offices, staff quarters and student halls).

This live broadcast arrangement is part of our experimentation project of transmitting multimedia contents (video/audio) through our campus network. Your suggestions or comments are most valuable to us. You are welcome to send us an e-mail to the account CCLISTEN for improving our services.

Charles Choy
Phone: 2358-6208
E-mail: ccchay@usthk.ust.hk
Enhancing the Solaris Environment

We are enhancing our UNIX computing resources significantly in early 1997. Our UNIX timesharing servers and computer barn workstations are being upgraded with higher performance hardware, more advanced OS version and more supported software.

UNIX Timesharing Servers

We are adding some SUN Ultra model 170 and 1200 servers for staff and student timesharing service. Majority of our systems are upgraded to Solaris 2.5. We are still maintaining some SunOS 4.1.3 systems for users who have not yet migrated their software to Solaris 2.x.

Followings are the new configurations of our UNIX timesharing resources:

<table>
<thead>
<tr>
<th>For Staff</th>
<th>For Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x Ultra 1200 running Solaris 2.5.1</td>
<td>1 x Ultra 1200 running Solaris 2.5.1</td>
</tr>
<tr>
<td>1 x Ultra 170 running Solaris 2.5</td>
<td>2 x Ultra 170 running Solaris 2.5</td>
</tr>
<tr>
<td>2 x Sparc20/712 running SunOS 4.1.3</td>
<td>1 x Sparc20/712 running Solaris 2.5</td>
</tr>
<tr>
<td></td>
<td>2 x Sparc20/712 running SunOS 4.1.3</td>
</tr>
</tbody>
</table>

For migration information from SunOS 4.x (Solaris 1.x) to Solaris 2.x, please refer to:


Computer Barn UNIX Workstations

We have upgraded 20 SUN Classic workstations in Barn C to Sparc4/110 with 32MB RAM, 17" color monitor and 1GB hard disk. The increase of computational performance is more than twice. These Sparc4 are installed with Solaris 2.5 / OpenWindows 3.5 GUI, which supports both the Open Look windows manager and the new X11 Motif-based CDE v1.0.1 (Common Desktop Environment). Users using public domain X11 may consider to switch to CDE if the public domain X11 for the new workstation hardware is not yet available from the developer.

For details on Solaris 2.5, please refer to:

http://www.sun.com/solaris/2.5/

For details on Solaris CDE, please refer to:

http://www.sun.com/solaris/cde/
Solaris Software Availability

We have subscribed SUN's education license program called ScholarPac III, which includes media and updates of the following software for research and teaching:

- Solaris 1.x & Solaris 2.x
- SPARCworks Pro Fortran 77 and 90
- SPARCworks Pro Pascal
- SPARCworks Pro C++
- SPARCworks Pro C
- SPARCworks Performance Libraries
- ShowMe Suite
- SunPHIGS
- Solaris SDK

The number of supported public domain software and licensed third party packages for Solaris are increased to the same level as for SunOS. In addition, there are many web related software available in Solaris but not in SunOS.

The list of UNIX available software can be found at the following web page location:

http://www.ust.hk/cgi-bin/ccst/ccstinfo/ccinfo_showsubject?774

New SUN Desktop Users

All new Sparc hardware will be installed with Solaris 2.5.1 or above unless you have certain software that must run on SunOS 4.x. If you are buying third party software on your new SPARCstation, you may consult the software vendor for availability of a version on Solaris 2.x.

For information on Solaris 2.5.1, please refer to:

http://www.sun.com/solaris/2.5/2.5.1/

Andrew Tsang
Phone: 2358-6204
E-mail: ccandrew@usthk.ust.hk
中文新資訊

如何瀏覽中文網頁

隨著中文網頁的普及化，如何瀏覽中文網頁已成為用戶常見之難題。有見及此，計算及電訊中心已在不同之作業平臺上提供各類的中文延伸系統，令用戶能輕鬆地瀏覽中文網頁。此外，計算及電訊中心亦提供詳細指引，教導用戶如何設定 Netscape 瀏覽器，以瀏覽中文網頁。詳情可參閱以下網頁：
Chinese Language Kit for Macintosh 正式推出

為了使 Macintosh 用戶能瀏覽中文網頁及處理中文資訊，計算及電訊中心已於 1997 年 1 月 8 日正式推出 Chinese Language Kit for Macintosh。此軟件包括繁體（Big-5）系統及簡體（GB）系統，另有數款中文 TrueType 字形可供用戶選擇。安裝詳情可參閱以下網頁：

注意事項：
1. 本軟件原是設計在 System 7.1.x 上運行，如閣下現時之作業系統為 System 7.5.x 則必須運行 System Updater，才能令軟件正常運作。
2. 基於 Microsoft Office 4.2.x 並不支援 Chinese Language Kit 所提供之多語言作業環境（WorldScript），所以用戶必須安裝 ClarisWorks Office 4.0 來處理中文資訊。

Installing Chinese Language Kit for Macintosh in HKUST

1. System Requirement
2. Install Traditional Chinese Language Kit
3. Install Simplified Chinese Language Kit (optional)
4. CLK system Updates
5. Install Additional Chinese True Type Fonts
6. Configure Default View Font
7. Some Remarks on Using CLK

正石松
電話：2358-6242
電郵：ccsyau@usthk.ust.hk
Want to make your Windows 95 a more productive working platform? You may find the following hints and tips interesting and helpful.

- **Move the Taskbar**
  Usually Taskbar is placed at the bottom of the desktop. If you don’t like where the Taskbar is located, you can drag it to one of the other three edges of the desktop.

- **Expand all sub-folders**
  In Windows Explorer, if you want to expand all branches (sub-folders) of a drive or folder, click and press the asterisk (*) key on the numeric keypad.

- **Clean up Recycle Bin**
  Deleted files will be stored in Recycle Bin and use up disk space. To free disk space from these deleted files, right-click Recycle Bin and select Empty Recycle Bin.

- **Quicker way to traverse between folders**
  When a folder is opened, you can press BACKSPACE to open the folder one level higher.

- **Check free disk space**
  To check disk space information of a disk, you may open My Computer, right-click the desired drive and then select Properties.

- **Save a file with non-standard extension name**
  You may find problems when you try to save a file with non-standard file extension name. To handle this problem, try to enclose the file name with quotes. For example, if you want to save a NotePad file with the name TEST.XXX, you type “TEST.XXX” and click OK when file name is prompted. If quotes are not used, NotePad will name the file as TEST.XXX.TXT instead.

- **Drag a document to print**
  To print a document quickly, you can drag its icon onto a printer icon.
Show printing jobs status

To see information on the printer to which you have just sent a document, double-click on the printer icon that will appear in the bottom-right box of the Taskbar.

Minimize all opened windows

If you want to quickly minimize all the windows you have opened, right-click on an open area of the Taskbar and select Minimize All Windows.

Move/copy a file

To move or copy a file from one location to another, you may use the right mouse button to do drag-and-drop, a menu will then pop up allowing you to do move or copy operation.

Make hidden files visible

If you find that Windows Explorer does not show hidden files, you may click the View menu and then select Options. In Options window, click the View tab page and then select the Show all files option.

Create shortcuts on desktop

A faster way to create shortcut of an application on desktop is to drag-and-drop the application onto the desktop. For example, if you often need to invoke the Control Panel, try drag-and-drop Control Panel onto the desktop. A shortcut (to Control Panel) will be created automatically.

Add icons to Shortcut Bar

A faster way to add an application to Shortcut Bar is to drag-and-drop the application onto the Shortcut Bar.

Select all files

To select all files in a folder in one shot, press <Ctrl> + <A>.

Rename a file with <F2>

You can rename a file in a more rapid way by highlighting the file and then press the <F2> key.

Teddy Poon
Phone: 2358-6216
E-mail: ccteddy@usthk.ust.hk
Announcements

Big Savings — Low Cost IDD

Effective early December 96, the University community has been saving more.

With the Sub-tender Board’s approval to appoint CTI (the City Telecom Hong Kong Ltd.) as the additional IDD service provider for the University, UST offices and all full-time staff are privileged to enjoy a special CTI IDD rates which are much lower than the normal rates offered by IDD providers in the market. We expect to have 50% or more of the current IDD charge saved thereafter, with an average 3-5 seconds longer connection time.

The CTI IDD service was introduced to offices’ fax / direct telephone lines on 2 December 96; while for PABX extensions, due to hardware installation requirement, it came into effect on 6 December 96.

In effect, CTI would be the default IDD service provider in UST. The dialing procedure is simple and direct (it is the same as before):

For Voice: dial “001”
For Fax: dial “002”

So every time it gets you going worldwide, wish you enjoy the introduced CTI.

Software News

For the past semester, a number of software in the PC, MAC and UNIX platforms have been added or upgraded in our network servers. Following is a list of added / upgraded software by platforms:

PC Software
1. AutoLANG for Windows
2. MicroSim 6.3 for Windows (for Computer Barns only)
3. Netscape Navigator 3.0 with the following helper applications:
   - GSTools 4.0 for postscript previewing
   - MacroMedia Plugins
   - QuickTime Video 2.1.2
   - RealAudio 2.0
   - VIVO realtime video display
4. SpectraBook 1.02 for Windows

MAC Software
1. Anarchie 2.0.1
2. Chinese Language Kit for Macintosh 1.1
3. Mail Drop 1.2d7d
4. Netscape Navigator 3.0

UNIX Software
1. Aladdin Ghostscript 4.03
2. asWedit 3.0 (on SunOS & Solaris)
3. CLAPACK 2.0 (on Solaris)
4. LAPACK 2.0 (on Solaris)
5. Netpbm 1-mar1994 (on SunOS & Solaris)
6. SAS 6.11 (on SunOS, Solaris, HP)
7. Smalltalk 1.1.5 (on SunOS & Solaris)
8. tn3270 (on Solaris)
Computer Users Group (CUG) is an informal group for staff members who are keen on using computing facilities and eager to see improvements on CCST. The group will meet 3 - 4 times a year.

Join now to:
- Share experiences/knowledge with other users and CCST
- Get first hand information on upcoming CCST services
- Try out CCST pre-released services
- Voice out comments/feedbacks on our services

To register, you may submit a form from World Wide Web at the CCST web page location at:

http://www.ust.hk/ccst/services/cug

or send an e-mail to Ms Christine Cheng (E-mail address: cccheng) and provide information such as your name, department, phone no. and the interest group (PC/Macintosh) you would like to join.

CCST Contact Points

<table>
<thead>
<tr>
<th>Position</th>
<th>Phone</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director</td>
<td>Dr. Wm. Max Ivey</td>
<td>6182 ccmax</td>
</tr>
<tr>
<td>Assoc. Director</td>
<td>Mr. Lawrence Law</td>
<td>6201 cclaw</td>
</tr>
<tr>
<td>Head of Computing Information Centre</td>
<td>Mr. Victor Cheng</td>
<td>6203 ccvictor</td>
</tr>
<tr>
<td>Head of Information Systems</td>
<td>Mr. William Tung</td>
<td>6221 ccbtung</td>
</tr>
<tr>
<td>Head of Operating Systems Support</td>
<td>Mr. Lawrence Law</td>
<td>6201 cclaw</td>
</tr>
<tr>
<td>Head of Network Systems</td>
<td>Mr. Steven Wong</td>
<td>6207 ccsteven</td>
</tr>
<tr>
<td>Head of Future Technology</td>
<td>Mr. Michael Tang</td>
<td>6261 ccwctang</td>
</tr>
<tr>
<td>Head of Gen. Off. &amp; User Services</td>
<td>Ms. Theresa Lo</td>
<td>6252 cctlo</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Position</th>
<th>Phone</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editor of Channel</td>
<td>Ms. Karen Chan</td>
<td>6253 cckaron</td>
</tr>
<tr>
<td>Inter-departmental Liaison Person</td>
<td>Ms. Christine Cheng</td>
<td>6190 cccheng</td>
</tr>
<tr>
<td>E-mail Account Coordinator</td>
<td>Ms. Cindy Yung</td>
<td>6183 ccyung</td>
</tr>
<tr>
<td>Telephone Services Coordinator</td>
<td>Ms. Christine Cheng</td>
<td>6190 cccheng</td>
</tr>
<tr>
<td>Training Courses Coordinator</td>
<td>Ms. Cindy Yung</td>
<td>6183 ccyung</td>
</tr>
<tr>
<td>Requests for Computing Resources</td>
<td>Ms. Theresa Lo</td>
<td>6252 cclo</td>
</tr>
<tr>
<td>Admin &amp; Business</td>
<td>Mr. William Tung</td>
<td>6240 ccis</td>
</tr>
<tr>
<td>Other Branches</td>
<td>Ms. Theresa Lo</td>
<td>6252 ccis</td>
</tr>
</tbody>
</table>

The telephone extensions are (852) 2359 xxxx. The Internet addresses are E-mail address@ust.hk.ust.hk.