Academic Library Visits in Beijing (May-June 2007)

Presented for the Library Council
Georgia Tech Library
Lisha Li
August 2007
GA Tech Foreign Students Enrollment

<table>
<thead>
<tr>
<th>Country</th>
<th>Undergraduate</th>
<th>Graduate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>India</td>
<td>171</td>
<td>599</td>
<td>770</td>
</tr>
<tr>
<td>China</td>
<td>12</td>
<td>455</td>
<td>467</td>
</tr>
<tr>
<td>Korea</td>
<td>102</td>
<td>332</td>
<td>434</td>
</tr>
<tr>
<td>Total</td>
<td>547</td>
<td>2360</td>
<td>2907</td>
</tr>
</tbody>
</table>

* From Georgia Tech Factbook 2006
GA Tech International Exposure

Current campuses:
• GA Tech Lorraine
• GA Tech Ireland

Future campuses/collaborations:
• GA Tech Singapore (Graduate Program, opening Fall 2009)
• GA Tech Shanghai (Dual Degree Program)
• GA Tech India (New campus, opening Fall 2009)
• Dual Degree Program in South Korea
Three Libraries Visited

• Beijing Jiaotong University Library
• Beijing Institute of Technology Library
• Tsinghua University Library
Beijing Jiaotong University
Beijing Jiaotong University (BJTU) Overview

- Established: 1896 (formerly Beijing Railway Management School by the Qing Government)
- 9 Schools:
  - School of Electronic and Information Engineering
  - School of Computer and Information Technology
  - School of Traffic and Transportation
  - School of Civil Engineering and Architecture
  - School of Mechanical and Dynamical Engineering
  - School of Electrical Engineering and Electrical Power Studies
  - School of Sciences
  - School of Economics and Management
  - School of Humanities and Social Sciences
- Current Faculty: 1,445, 41.8% with Ph.D.
- Students: Undergraduate: 13,784; Graduate: 3,108
- 2006 national ranking: 49.
Beijing Jiaotong University Library

- History: established in 1909.
- Space: 13,515 square meter (145,474 square foot, or 3.34 acre)
- Collections: 1.35 million volumes
- Databases: 140 (30 in English; 90% through consortium: CALIS*)
- Integrated system: ALEPH 500.
- E-journals: 18,000
- Theses/Dissertations: 76,000
- Standards: 23,000

*CALIS: China Academic Library & Information System, established in 1998; Current members: >500.
Beijing Jiaotong University Library (2)

- Electronic resources: 220,000 (through CADLIS**)
- Collection Focus: Railways and transportations, engineering, and business, economics, sciences, humanities.
- Staff: 75 (Masters & Ph.D: 21%)
- Computers: 290; Seats: 2,100.

** CADLIS: China Academic Digital Library & Information System
BJTU Library – Social Science Collection Room

Social Science Books, Theses/Dissertations and Reference Collection Room

New Books Display
BJTU Library – Engineering Collection Rooms
Archival Collections


Passport photos of the Qing Dynasty

Shandong Railway construction photos
Beijing Institute of Technology
Beijing Institute of Technology (BIT) Overview

- Established: 1940.
- 13 colleges; 47 departments, 43 research institutes.
  - College of Information Science and Technology
  - College of Aerospace Engineering
  - College of Mechanical and Automotive Engineering
  - College of Materials Science and Engineering
  - College of Chemical and Environment Engineering
  - College of Bioengineering
  - College of Sciences
  - College of Management and Economics
  - College of Humanities and Social Sciences
  - College of Arts and Design
  - College of Computing
  - College of Software
  - College of Foreign Languages
BIT Overview (2)

- Students: 36,533 (Undergraduate: 13,627; graduate: 7,192; and others).
- Employees: 3,501; Faculty: 1,771.
- 2006 national ranking: 29.
Beijing Institute of Technology Library

- Established: 1940.
- Space: 25,500 square meter (274,479 Square Foot, or 6.3 acre), including an older building (1983) & a newer one (2004).
- Books and bound journals: 1.24 million volumes.
- Periodicals: 2,900.
- Electronic books: 710,000 (including theses, proceedings, reports).
- E-Journals: 17,000.
- Collection focus: Engineering, specially in optical, chemical, materials, telecommunication, electronic, automotive.
- Subject Librarian introduced a couple of years ago.
- Computers: 159; Network ports: 402, wireless coverage; Seats: 1,797.
BIT Library - Interlibrary Borrowing Agreements with 38 other member college/university libraries in Beijing...

<table>
<thead>
<tr>
<th>北京理工大学图书馆</th>
<th>北方交通大学图书馆</th>
<th>北京师范大学图书馆</th>
</tr>
</thead>
<tbody>
<tr>
<td>中国人民大学图书馆</td>
<td>北京航空航天大学图书馆</td>
<td>北京科技大学图书馆</td>
</tr>
<tr>
<td>北京大学医学图书馆</td>
<td>中国政法大学图书馆</td>
<td>中央财经大学图书馆</td>
</tr>
<tr>
<td>首都师范大学图书馆</td>
<td>清华大学图书馆</td>
<td>北京化工大学图书馆</td>
</tr>
<tr>
<td>中国农业大学图书馆</td>
<td>北京林业大学图书馆</td>
<td>北方工业大学图书馆</td>
</tr>
<tr>
<td>北京农学院图书馆</td>
<td>北京石油化工学院图书馆</td>
<td>华北电力大学图书馆</td>
</tr>
<tr>
<td>北京工业大学图书馆</td>
<td>北京中医药大学图书馆</td>
<td>北京体育大学图书馆</td>
</tr>
<tr>
<td>对外经济贸易大学图书馆</td>
<td>中国青年政治学院图书馆</td>
<td>外交学院图书馆</td>
</tr>
<tr>
<td>中国人民公安大学图书馆</td>
<td>北京工商大学图书馆</td>
<td>首都医科大学图书馆</td>
</tr>
<tr>
<td>国际关系学院图书馆</td>
<td>中国传媒大学图书馆</td>
<td>北京语言大学图书馆</td>
</tr>
<tr>
<td>中国矿业大学图书馆</td>
<td>中国社科院研究生院图书馆</td>
<td>北京第二外国语学院图书馆</td>
</tr>
<tr>
<td>中国中医科学院图书馆</td>
<td>北京人民警察学院图书馆</td>
<td>北京服装学院图书馆</td>
</tr>
<tr>
<td>北京电影学院图书馆</td>
<td>北京外国语大学图书馆</td>
<td>北京邮电大学图书馆</td>
</tr>
</tbody>
</table>
BIT Library - Interlibrary Borrowing Agreements with 38 other member college/university libraries in Beijing...

- Renmin University of China Library
- Beijing University Medical College Library
- Capital Normal University Library
- China Agriculture University Library
- Beijing University of Technology
- University of International Business and Economics Library
- Institute of International Relations Library
- Beijing Jiaotong University Library
- Beihang University Library
- China University of Politics and Law
- Tsinghua University Library
- Beijing Forestry University Library
- Beijing Institute of Petrochemical Technology Library
- Beijing Technology and Business University Library
- Communication University of China Library
- University of Science and Technology Beijing Library
- Beijing Film Academy Library
- Beijing University of Finance and Economics Library
- North China University of Technology Library
- North China Electric Power University Library
- Beijing Union University Library
- Capital Medical University Library
- Beijing Language and Culture University Library
- Beijing University of Posts and Telecommunications Library
- Beijing Foreign Studies University Library
- Beijing Normal University Library
- ...
… & National Science Library, Chinese Academy of Sciences

- Borrowing through institution library card
BIT Library – Circulation Desks
BIT Library – User Service Desk
BIT Library – Collection Room
BIT Library – Computer Rooms
BIT Library – Reference Desk
BIT Library
Tsinghua University
Tsinghua University Overview

- Established: 1911 (as a preparatory school, Tsinghua Xuetang, for students to go studying in the U.S. Renamed Tsinghua School in 1912)
- First women students admitted: 1928.
- Employees: 7,588 (Faculty: 2,857; Researchers: 1,779)
- Students: 31,786 (Undergraduate: 13,788; Graduate: 17,998).
- Area: 405.9 hectare (1,003 acres).
Tsinghua University Overview (2)

  - College of Architecture
  - School of Civil Engineering
  - School of Mechanical Engineering
  - School of Aerospace Engineering
  - School of Information Science and Technology
  - School of Science
  - School of Economics and Management
  - School of Public Policy and Management
  - School of Humanities and Social Sciences
  - School of Law
  - School of Journalism and Communication
  - Academy of Arts and Design
  - College of Medicine
- National ranking: 1st.
Tsinghua University Library

- Established: 1912.
- Space: 39,000 square meter (~419 square foot or 9.6 acre)
- Collection: 3.9 million volumes (including ancient books: 300,000 volumes)
- Current serials: 4,000.
- E-Journals: 42,000; e-Books: 920,000.
- Multimedia materials: 35,000.
- Databases: 356 (50% through CALIS).
- Library Integrated System: INNOPAC Millennium.
- MetaLib+SFX system introduced in 2005.
- Collection focus: mainly on natural science, engineering and technology, plus the humanities, social sciences and management.
- 160,000 foreign language books open shelf by 2006.
- Seats: 2,500.
Tsinghua University Library (2)

• Setting: Main Library, plus subject libraries in Business, Architecture, Law, Humanities, Arts, and Medicine.
• Employee: 162 (with Ph.D. & Masters: 33.3%; including Library Science: 38%, Science/Engineering: 34%, Humanities: 15%, others: 13%).
• “Subject Librarians” introduced in 1998.
• CALIS Engineering Center established in 1999.
• OCLC Service Center established in 1996.
• CNKI (China National Knowledge Infrastructure): Knowledge search engine, including 8,000 periodicals, theses and dissertations from 300 universities, 1,000 newspapers, covering natural sciences, engineering, medicine, economics, law and humanities. (http://search.cnki.net/)
Selected Chinese Electronic Resources

- China InfoBank
- China Economic Database
- China Law Info
- Chinese Academic Journals (5300 Chinese Full-text E-Journals)
- Chinese Sci & Tech E-journals (8000 Chinese Full-text E-Journals)
- Chinese Social Sciences Citation Index (CSSCI)
- WANFANG Chinese Databases (near 100 various Chinese databases)
- Tsinghua University Dissertation Service System
- Chinese E-Newspapers
- Chinese E-books
<table>
<thead>
<tr>
<th>English Databases</th>
<th>English Databases</th>
<th>English Databases</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABI</td>
<td>ACM</td>
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<tr>
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<td>APS</td>
<td>ASCE</td>
</tr>
<tr>
<td>ASME</td>
<td>BIOSIS Previews</td>
<td>Blackwell</td>
</tr>
<tr>
<td>Cell Press</td>
<td>CrossFire Beilstein/Gmelin</td>
<td>CSA</td>
</tr>
<tr>
<td>Derwent Innovation Index</td>
<td>Ebrary</td>
<td>EBSCO</td>
</tr>
<tr>
<td>Ei</td>
<td>Elsevier SDOS/SDOL</td>
<td>e-Print arXiv</td>
</tr>
<tr>
<td>FirstSearch</td>
<td>Gale</td>
<td>HighWire Press</td>
</tr>
<tr>
<td>IEEE/IEE Electronic Library</td>
<td>INSPEC</td>
<td>IOP</td>
</tr>
<tr>
<td>Online (IEL)</td>
<td></td>
<td>ISIJCR</td>
</tr>
<tr>
<td>ISI Chemistry</td>
<td>ISI CCC</td>
<td>JSTOR</td>
</tr>
<tr>
<td>ISI Proceedings (ISTP, ISSHP)</td>
<td>ISI Web of Science(SCI, SSCI, AHCI)</td>
<td>MathSciNet</td>
</tr>
<tr>
<td>Kluwer Online</td>
<td>LexisNexis</td>
<td>NetLibrary</td>
</tr>
<tr>
<td>NTIS</td>
<td>Nature</td>
<td></td>
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<tr>
<td>Online CD-ROM Databases (Including CA, DA, INIS, ISTP, SCI, etc.)</td>
<td>ProQuest</td>
<td>ProQuest Dissertation Fulltext</td>
</tr>
<tr>
<td>PQDD</td>
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<tr>
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<td>SPIE</td>
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<tr>
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<td>WorldSciNet</td>
<td>Zbl.Math</td>
</tr>
<tr>
<td>Other Full-text E-journals</td>
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</tr>
</tbody>
</table>
Copyright Statement

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 sách In order to protect the intellectual property rights in electronic resources, to save the reputation of Tsinghua University and to guarantee the legal rights of all authorized users as well, the library appeals to all the organizations and individuals to pay attention to and comply with the regulations on intellectual property rights in electronic resources.

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   (2) Suspend his library privileges for six months.
   (3) Suspend his network account for two months.

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Tel: 62784591
Email: tsq@mail.tsinghua.edu.cn
Tsinghua Library – Interlibrary Loan

• Borrowing through Institution Borrowing Cards (agreements with 29 other universities and research institutes in Beijing)
• Online ILL/DDS request system
  – ILL with:
    • China National Library
    • China Academy of Science Library
    • Beijing University Library
• Became an OCLC Interlibrary Loan Provider in 2003.
OCLC Office in Beijing

OCLC Online Computer Library Center

a worldwide library cooperative

News releases

OCLC opens office in Beijing

DUBLIN, Ohio, USA, 9 August 2007—OCLC, the world's largest library cooperative, has opened an office in Beijing to better serve the growing information needs of libraries and other cultural heritage institutions in China and other parts of Asia.

OCLC officially opened the Beijing office with a grand-opening celebration July 20 with more than 150 leaders from libraries and other institutions in China attending. OCLC colleagues from Japan, Korea, Taiwan and Thailand also were in attendance. The OCLC office is located in Zhong Guan Cun, the academic center of Beijing often called "the Silicon Valley of China." Qiu Dongjiang, OCLC Chief Representative, is joined by three other OCLC staff members in the Beijing office.

"Opening this OCLC office in Beijing is truly an historic event," said Jay Jordan, OCLC President and CEO. "We value the relationships we've built with libraries in China over the past 21 years, and we look forward to more opportunities for cooperation in the years ahead. This is an important milestone for OCLC as we continue to evolve into a truly global enterprise that connects East and West and North and South."

100 academic institutions in China. In 2004, the CALIS (China Academic Library and Information System) consortium, under the leadership of Beijing University, began providing access to a NetLibrary eBook collection for 80 libraries in China.
Tsinghua University Library – Old Building (1919)
Tsinghua University Library – Old Building

Study Room

Social Science & Humanities Collection Room
(Closed Shelf and Circulation Desk)
Tsinghua Library – Newer Building (1991)

A normal scene: students waiting to get into the library (this photo is from: the Tsinghua University Library brochure)
Tsinghua Library - Lobby
Tsinghua Library – Reference Collection Room
Tsinghua Library – Current Western Journals
Tsinghua Library – Engineering Collection Rooms

Information Retrieval Room

Interlibrary loan Service
Tsinghua Library – Foreign Journal Bound Volumes Reading Room
Tsinghua Library – Computer Room

Consultation Desk
Information Retrieval Class

- Master of Science in Education Technology Program collaborated with College of Humanities and Social Science. Area of study: Digital Library.

Information Retrieval Class (this photo is from: the Tsinghua University Library brochure)
Tsinghua Library – 4th Phase Planned Construction Model

4th Phase: To be completed in 2011.

Newer Building

Older Building

Models: courtesy of Tsinghua University Library
Differences

• Libraries in U.S
  – More centralized service points
  – Subject Librarians provide customized services
  – Students continue coming back to libraries due to restructuring
  – Rely on both institution and consortium for electronic resources

• Libraries in China
  – Scattered services points
  – Subject Librarians introduced in late 90’s and early 2000’s
  – Students rely on libraries for study
  – Rely heavily on consortium for electronic resources
Differences (2)

• Libraries in U.S.
  – Growth of Individual institution digital repositories
  – Moving from print to electronic journals

• Libraries in China
  – Starting institution digital repositories
  – Rely on electronic for western language journals
Next on List?

- Beijing University Library
- Shanghai Jiaotong University Library
Acknowledgment

Rich Meyer, Kathy Tomajko, Bob Fox, Crit Stuart, Bruce Henson, Brian Mathews, Bing Wang, Kathy Carpenter, Crystal Renfro, Xinghua Wang, Guoshuang Shui, Nong Yu.
Questions?
Thanks!