Ways to Future for Universities

– International Collaboration

Tsinghua University, Beijing

Prof. Yi ZHANG

BRIEF INTRODUCTION

University History

- Tsinghua School from 1911
- National Tsinghua University from 1928
- Southwest Associated University at Kunming from 1937
- Tsinghua University from 1949
- Multi-disciplinary University of Engineering beginning from 1952

Comprehensive, Research-oriented and Open reconstructed in 1978~2000

BRIEF INTRODUCTION

Campus Size

395 Hectares

 CONTENTS

- Brief Introduction
- Review on Programs
- Overview of Collaboration
- Conclusion
BRIEF INTRODUCTION

- Undergraduates: 13,788
- Graduates: 13,547

Comprehensive University

- 13 Schools
  - Aerospace
  - Arts and Design
  - Architecture
  - Civil Engineering
  - Economics and Management
  - Humanities and Social Sciences
  - Information Science and Technology
  - Journalism and Communication
  - Law
  - Mechanical Engineering
  - Medicine
  - Public Policy and Management
  - Sciences

- 5 Independent Departments
  - Chemical Engineering
  - Environmental Science and Eng.
  - Electrical Engineering and Applied
  - Electronic Technology
  - Engineering Physics
  - Materials Science and Engineering

Research-Oriented University

- Laboratories: 170
  - National Lab for Information Science and Technology: 1
  - State Key Laboratories: 11
  - MOE/MOST Key Laboratories: 15
  - Beijing Key Laboratories: 4
- Engineering Centers
  - National Engineering Research Centers: 5

Open University – International Partnership

- 153 universities in 29 countries
- 33 companies from top 100 companies in the world
- 57 joint-labs and joint research/training centers

University Level Agreement

- Europe
  - 66 University Level Agreement
  - 41 University Level Agreement from 3 countries
- Asia
  - 49 University Level Agreement
- Oceania
  - 13 University Level Agreement from 2 countries
- North America
  - American: 33
  - Canadian: 2
  - Mexican: 1
**Fundamental Collaboration**
- Joint Education Programs
- Programs for Foreign Students
- Distinguished Foreign Expert Programs
- Joint Research Programs
- Cooperation with Industries

**Joint Education Programs**
- Joint degree programs with world leading universities
- Student exchange programs with world leading universities
- Joint programs supported by Chinese National Foundation for Studying Abroad

**Programs for Foreign Students**
- Degree programs
  - For all degrees
- Non-degree programs
  - For exchange students, language students, etc
- Scholarship for Foreign Students
  - Chinese Government Scholarship
  - Beijing Municipal Government Scholarship
  - Tsinghua University Scholarship

**Distinguished Foreign Expert Programs**
- World-class scholars (such as Nobel Laureates, famous scholars) invited to deliver courses
- Chief professors assigned for the key disciplines in departments
- Distinguished research professors invited for the state key labs
- Scholars employed for foreign language courses
REVIEW ON PROGRAMS

- Fundamental Collaboration – Joint Research Programs
  - Inter-disciplinary projects with multi-national enterprises
  - Joint R&D institutes
    - University + Enterprises + University
      - e.g. Tsinghua + Samsung + KAIST
    - University + University + Governors
      - e.g. EU Framework
    - University + University
      - e.g. Tsinghua + Harvard

Overview for Collaboration

- WHY is international collaboration the way to future for universities
  - Education globality
    - More and more overseas students
  - Research globality
    - Open to the world, including
  - Faculty globality
    - On the global platform

Cooperation with Industries

- Tsinghua University-Industry Cooperation Committee
  - Founded in 1995 with 180 membership (147 domestic and 33 foreign enterprises)

WHAT to do for international collaboration

- STANDARD
  - Adopted to approach the global understanding
- Education PLATFORM
  - Open to the world, including
    - Tsinghua students: Studying experience abroad
    - International students: Studying freely in Tsinghua
- Research PLATFORM
  - On the global platform
- Faculty PLATFORM
  - Assessed and recruited based on the international standard
Overview for Collaboration

- WHEN to implement
  - Currently, based on the fundamental cooperation
  - Shortly, exploring all opportunity to setup
    - Students exchange programs, furthermore
    - Joint research institutes, paying more attention to
    - Faculty recruitment, globally
  - Chronically, approach to the international standard for better mutual understanding

Conclusion

- Enhance cooperation with strategic partner universities in AEARU both in education and scientific research and development
- Carry out trans-disciplinary, cutting-edge, and multi-level cooperation with universities in AEARU and industries

Thank you!

Prof. Yi ZHANG
Director
Office of International Cooperation and Exchange
Tsinghua University, Beijing
zhyi@tsinghua.edu.cn