

Tokyo Tech's Collaboration Strategy in China

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1. Background

On-going rapid change / Increased importance of East Asia in global economy / Diversification and expansion in economic activities in East Asia / Japanese educational policy aiming at East Asia collaboration / Increasing mobility in higher education / Importance of strategic differentiation in competitive environment

2. Higher education in China

Reform in higher education for quality / Difficulty in recruitment for graduates

3. Why China now? Pragmatic reasons ...

Include non-Japanese to maintain high quality of student cohort / Human network cultivated in Japan supports Sino-Japan relationship / High quality of young generation in science and technology field in China

4. ... and philosophical ones

Necessity for Japanese students to study in Asia / Establishment of Human network in Asia / Researchers and academics are positive about collaboration

5. Key concepts

Global responsibility of China and Japan / China-Japan cooperation as a driving force for collaboration in East Asia / Re-discover wisdom in East Asia

6. Principles

Win-win collaboration / Focused activities / Diversified exchange scheme → 7. / Strategic differentiation

7. Diversified exchange scheme

Short-term exchange program / Joint-graduate program / Research with internship & work experience / Research-oriented education / Support for China's study abroad program (e.g. tuition waiver)

8. Outcome

Marketable human resources / Contribution to China and Japan as well as to Asian community / Promoting equal partnership / Influence on society via quality research / "Ex oriente lux" in research advancement

[End]

Collaboration Strategy in CHINA

October, 2007

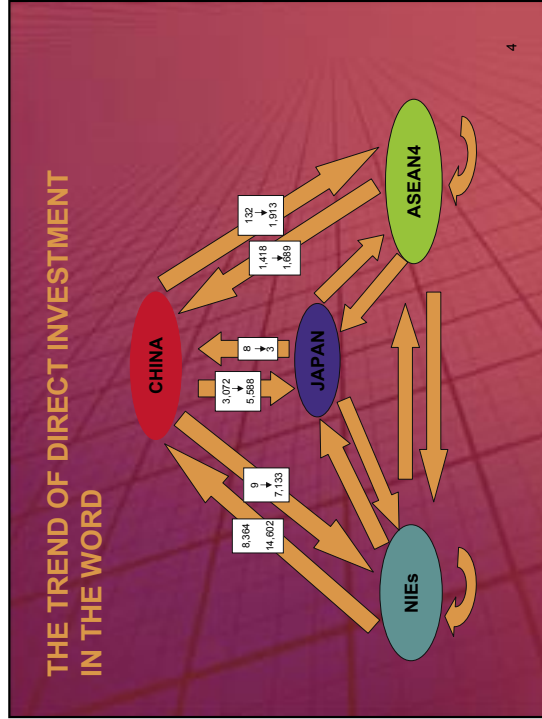
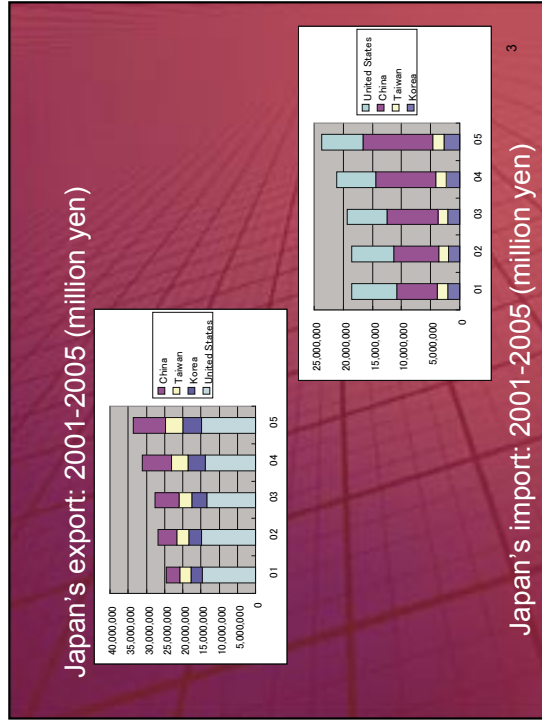
ROKYO TECH
Pursuing Excellence

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BACKGROUND¹

- On-going rapid change
- Increased importance of East Asia in global economy
- Diversification and expansion in economic activities (trade and investment) in East Asia

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BACKGROUND₂

- Japanese educational policy aiming at East Asia collaboration
- Increasing mobility in higher education
- Importance of strategic differentiation in competitive environment


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HIGHER EDUCATION IN CHINA

- Reform in higher education for quality**
 - Merger of universities to raise efficiency
 - Decentralization to provincial government
 - Government focus on Key Universities
 - Policy change within open-door policy
- Difficulty in recruitment for graduates**
 - Official unemployment 10% (possibly higher)
 - Mismatch university skills / market needs
 - Increased number of university graduate

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WHY CHINA NOW? PRAGMATIC...

- Include non-Japanese to maintain high quality of student cohort
- Human network cultivated in Japan supports Sino-Japan relationship
- High quality of young generation in science and technology field in China

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WHY CHINA NOW? PHILOSOPHICAL...

- Necessity for Japanese students to study in Asia
- Establishment of Human network in Asia
- researchers and academics are positive about collaboration

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WHAT CRITERIA?

- Quality measured by marketability
- Wide variety of learning experience (undergraduate program)
- More practical study (graduate schools)
- Easy adjustment in new learning and living environment
- Financial support








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IMPORTANT FACTS

- University ranking is still important in China
- Marketability is important goal for graduates





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HOW TO ATTRACT?

- Shorter period of time of study
- Internship/work experience in Japanese companies and industries
- Good services on campus












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KEY CONCEPTS

- Global responsibility of China and Japan
- China-Japan cooperation as a driving force for collaboration in East Asia
- Re-discover wisdom in East Asia

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FINAL GOALS

- Mutual Human Asset Development
- High Level HRD

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PRINCIPLES

- Win-win collaboration
- Diversified Exchange Scheme
- Focused activities
- Strategic differentiation

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WHY TOKYO TECH?

- Solid tradition in R&D / education
- Team work, step-by-step, Lab work based
- Education with developing Creativity
- Strong link with top companies & industries
- Variety of Graduate Program

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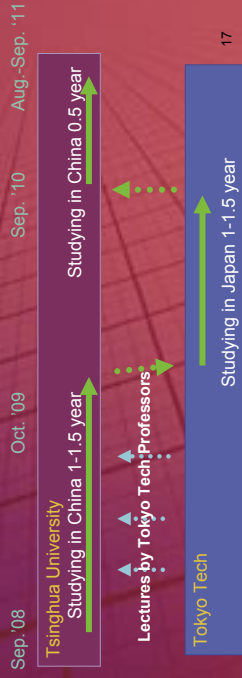
DIVERSIFIED EXCHANGE SCHEME

- Short-term Exchange Program
- Joint-Graduate Program
- Research with Internship & Work experience
- Research Oriented Education
- Support National Study Abroad program (e.g. tuition waiver)

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Tokyo Tech - Tsinghua University Joint Graduate Program

- The first "dual degree" program on graduate level between China and Japan
- Joint supervision by professors of both universities
- Master's degrees awarded by both universities in 3 years
- Expenses in Japan supported by scholarship



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Tokyo Tech - Tsinghua University Joint Graduate Program (total # of current student enrollment)

	Master's Program		Doctoral Program	
	Tokyo Tech	Tsinghua	Tokyo Tech	Tsinghua
Nanotechnology Course	4	11	1	
Biotechnology Course	5	10	1	Application procedure to be announced
Social science and Engineering Course	3	3	1	
Total	12	24	3	

- Doctoral programs are different from Master's programs. Students will be registered in either Tokyo Tech or Tsinghua University. They will conduct their research under supervision of professors of both universities. They will gain, by submitting their thesis, the degree from the university where they are registered.

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Tokyo Tech - Riken International School

Purpose

- ☆Chance for talented students to get a doctoral degree
- ☆Future core of international network
- ☆Advancement in science and technology

Outline

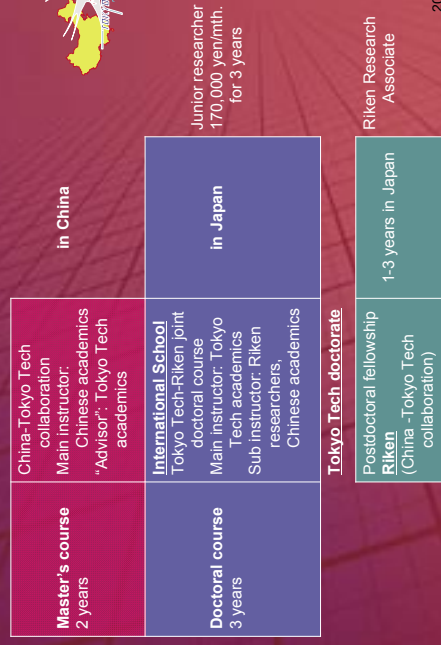
- ☆Tokyo Tech awards a doctorate degree.
- ☆Riken offers a junior researcher status.
- ☆Both have outstanding research facilities.

Merit

- ☆3-year fellowship position
- ☆Job opportunities: Riken will provide special support and inform about vacancies.
- ☆Career prospects: Riken and other institutes will employ as researchers.

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Tokyo Tech - Riken International School



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Young Scientist Exchange Program (YSEP)



- Students who have completed 3 years of undergraduate study and not yet finished Master course
- From the universities with which Tokyo Tech has the Students Exchange Agreement
- Duration: September to next August
- 20 – 25 students annually

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International Graduate Program



- 8 curricular programs relating to 35 departments of Tokyo Tech.
- 3 types of programs in these 8 programs;
 - Master's program
 - Doctoral program
 - Integrated Doctoral Education program.
- All courses taught in English

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Global Edge Institute



- For the excellent young researchers
 - To be recruited as assistant professors for 5 years
 - To be promoted to associate professor or professor upon review in the 5th year
- * 12 assistant professors selected in 2006 (9 from abroad)

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Asia Human Resource Project



- Graduate Schools : conferring a degree
 - Curriculum linked with industry
 - Class for business Japanese
 - Learning Japan's business practice
 - Corporate internship
 - Award of a special certificate



- Employment by Japanese companies

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Asia Human Resource Project

- 10-20 Asian students/year for 2007-2010 to be accepted with Japan's government scholarship
- Aimed for professional work such as research, product design and corporate planning with...
- ...high employability with specialist knowledge
- ...sufficient command of business Japanese
- ...adaptability to Japan's business environment
- Skilled communicators in science & technology
- Globally-acting experts based in Asia

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Outcome

- Marketable human resources
- Contribution to China and Japan as well as to Asian community
- Promoting equal partnership
- Influence on society via quality research
- “Ex oriente lux” in research advancement
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