

**EIT-JSCE Joint Seminar
Civil Engineering
Education and Profession**

Cooperation of Civil Engineers Japan & Thailand

Bangkok, March 13, 2008

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1. Relation of Japan and Thailand



Japan and Thailand

Long history of friendship, for over 600 years

In 1887, the diplomatic relation was established

Economic, Technical, Cultural, Personal Exchanges.

Japanese Gov't Scholarship for Thai students

JSCE

Promote international collaborations

Enhance technical knowledge and information exchange

Establish T.F. of Contribution to Asia

2. Collaboration in Engineering Education



Asian Institute of Technology, Bangkok

Japan made a significant contributions

AIT provides

Highest engineering education

Faculties to conduct professional programs

Remarkable achievements and contributions

In Asia and the international community.

3. Agreement of Cooperation

Cooperative activities

1999 JSCE-EIT Agreement of Cooperation

**2000 Assistance & Study Team: Flood in the
Mekong River**

2003 Joint-seminar on Steel Bridges

**2004 Assistance & Study Team, Sumatra
Earthquake and Indian Ocean Tsunami**

2007 Joint-seminar on Rock Engineering

2008 Establishment of JSCE Thailand Section

4. JSCE's Action for Public Support and Understanding

Rise & Fall of Civil Engineering

Japan realized the high economy growth

Contribution of civil engineers “**was**” recognized publicly

Infra. investment has declined since the peak in 1998

People criticize the investment and become less interested in infra

Few explanations from civil engineer against negative view

People forgot importance of infra. and engineering education

JSCE's New Action “Speak out”

JSCE has begun to “speak out” to the public on the social role of infra. and civil engineering.

Human being has been supported by infra. since its origin

It were not infrastructure, human being could not survive

Against Global Warming & Climate Change

Civil Engineers' role is expanding

5. Civil Engineering Education

Civil engineering, the most appropriate discipline to respond to public needs

Civil engineering programs in higher education is essential

Fewer young people in civil engineering

Big challenges to us in promoting the profession & public appreciation for the engineers' achievements

Overcome the challenge to pursue our role

6. New Challenge: Global Warming

Global warming threatens human beings

Climate change will affect daily lives of people & infrastructures

Urban cities in low and flat seaboard areas will be most affected

Japan proposed “Cool Earth 50” at

G8 Summit in Heiligendamm

IPCC in Bali Summit

World Economic Forum in Davos

G8 Summit in Toyako

Civil engineers’ international responsibility

Secure the safety of the society and preserve the environment

Their action is expanding to

“Mitigation and Adaptation”

JSCE set up Global Warming T. F.

7. JSCE's Contribution in Capacity Building

JSCE's amended constitution includes

“improving civil engineering abilities and skills”

Civil Engineers must understand the public needs and take actions with expertise and technology

They must improve ability and skill.

**JSCE Committees and Branches offer
workshops, seminars and symposia**

JSCE publish

**Studying materials, Design codes, Engineering standards and
Guidelines**

“ Concrete Library”

JSCE Education Courses

for young students and citizens

JSCE CPD System

JSCE's Activities on Capacity Building

JSCE Organization for Education & Capacity Building

The Committee on Education

The Organization of Promotion of Civil Engineering Technology

Work Shops, Seminars, Symposia

260 times, 70,000 participants

Study Materials, Guidelines

70 Guidelines, Published No. 260,000

Events for Citizens and Young Students

180 times, 240,000 participants

CPD Consortium

13 Civil engineering Societies and Associations

Secretariat: JSCE

8. JSCE's Policy on Education and Qualification

Importance of development of personal ability and skill

JSCE's Actions:

**Establish assessment and qualifying system of
individual engineers connecting CPD system**

**Supporting individual engineers in realizing their
career paths**

**Offering educational programs for the public and the
kids**

Government of Japan

**Counts the JSCE Qualification for the procurement of
engineering services**

Thank you !