2nd JSCE-CICHE Joint Workshop 2017 in Tokyo

Session-1
10:40 ~ 12:20

JSCE Young Engineers Power UP Sub-Committee

Programs

1. Session opening
2. Ice breaking
3. Questionnaires for Taiwan delegates
4. Group discussion and small presentation

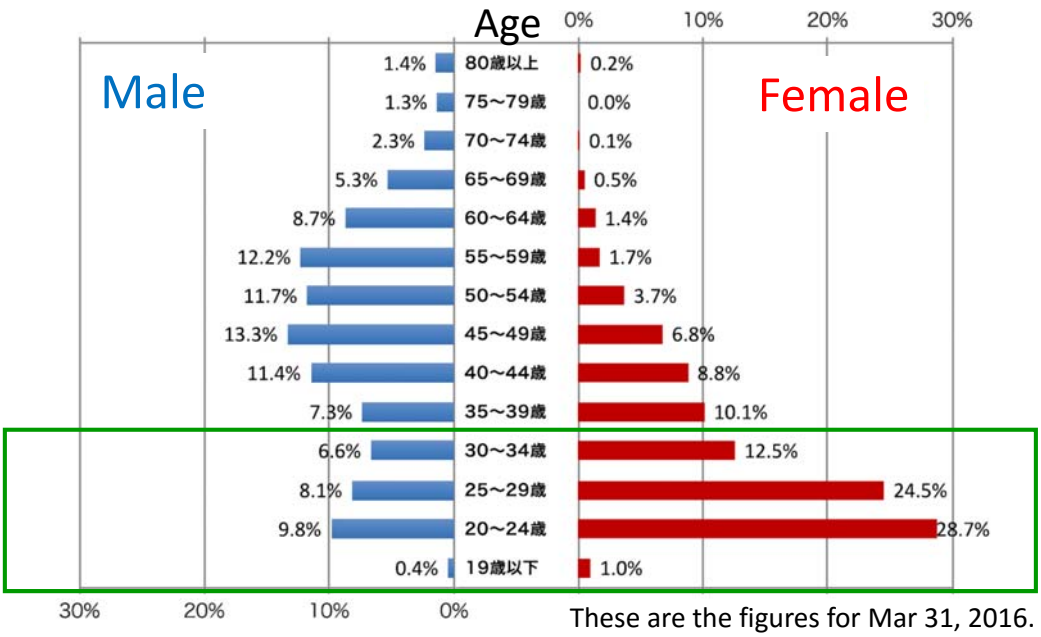
Young Civil Engineer Session

JSCE Young Civil Engineers
Power UP Sub-Committee

JSCE Young Civil Engineers Power UP Sub-Committee

- Our committee was founded in **2015**.
  - -Previously, JSCE didn't have any organization for young engineers.
  - -We have 4 groups in this committee; Management, Analysis, Planning & Advertisement.
- "young" civil engineers?
  - -In ASCE: age 35 or younger
  - -But in JSCE: **35 + years** are also

Composition of JSCE Members

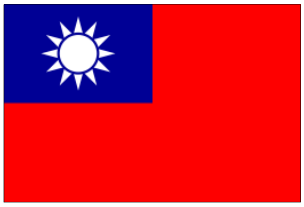


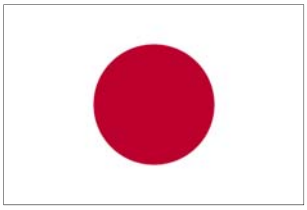
These are the figures for Mar 31, 2016.

The younger members approximate **10,000** of 38,000 members. (27%)

For the Future

- We young engineers need to contribute to **the future** of civil engineering.
- Today we'll discuss what to do for the bright future of **Taiwan and Japan**!
- And let's make friends in the profession!





Ice breaking Quiz

Example

Question-0

How many tourists from Taiwan did come to Japan in 2015 ?

① 1 Million ② 2 Million ③ 3 Million ④ 4 Million

Example

Answer-0

How many tourists from Taiwan did come to Japan in 2015 ?

① 1 Million ② 2 Million ③ 3 Million ④ 4 Million

Correct answer is …

④ 4 Million

Ready ?

Question-1

How many Japanese tourists did visit Taiwan in 2015 ?

① 1 Million ② 1.6 Million ③ 2.6 Million ④ 3.0 Million

Answer-1

How many Japanese tourists did visit Taiwan in 2015 ?

① 1 Million ② 1.6 Million ③ 2.6 Million ④ 3.0 Million

Correct answer is …

② 1.6 Million

Question-2

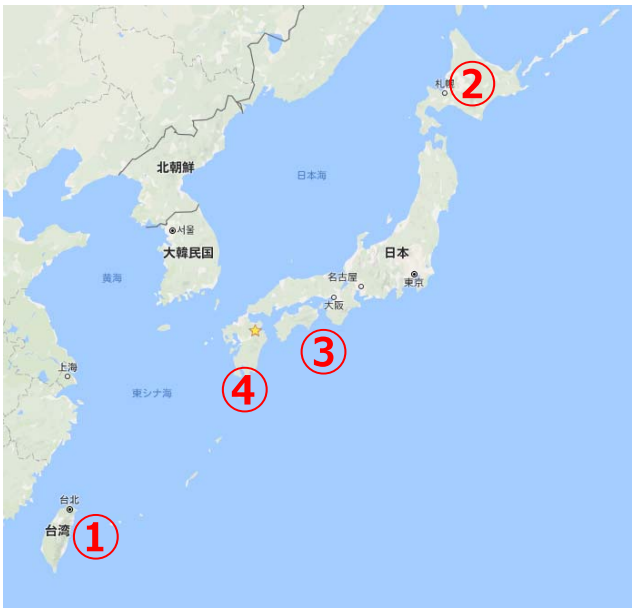
Which is the third largest island?

① Taiwan ② Hokkaido ③ Shikoku ④ Kyushu

Answer-2

Which is the third largest island?

① Taiwan ② Hokkaido ③ Shikoku ④ Kyushu



② Hokkaido : 78,000 km^2

④ Kyushu : 36,800 km^2

① Taiwan : 35,900 km^2

③ Shikoku : 18,300 km^2

① Taiwan

Question-3

How many sister-city relationships are established between Japan and Taiwan ?

① 10 cities ② 20 cities ③ 50 cities ④ 100 cities

Answer-3

How many sister-city relationships are established between Japan and Taiwan ?

① 10 cities ② 20 cities ③ 50 cities ④ 100 cities

Correct answer is …

② 20 cities

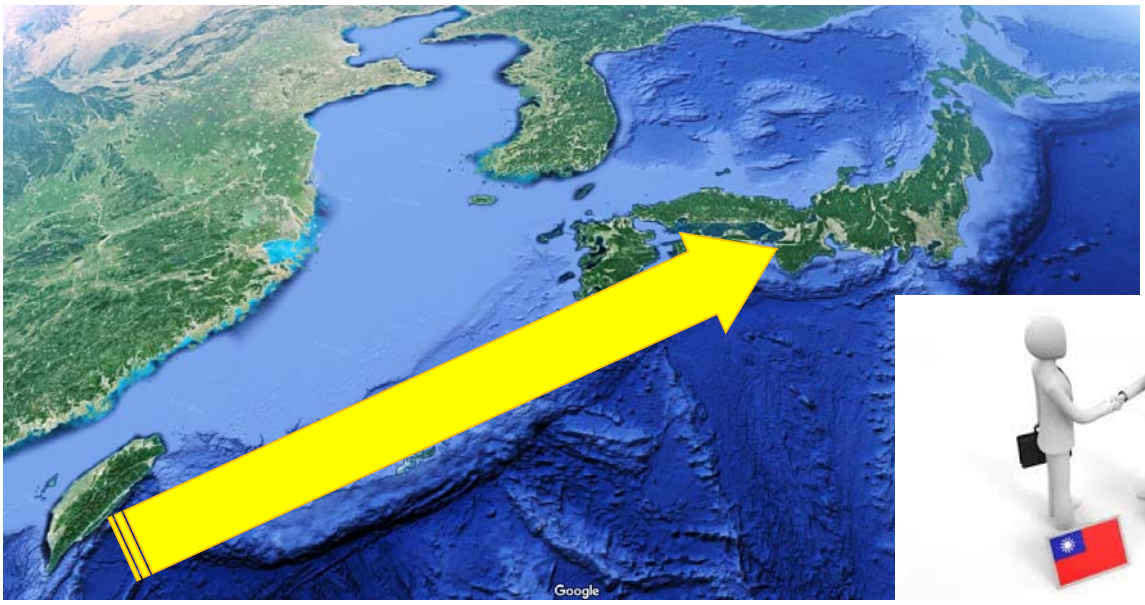
Memo

There are more than **50** tie-up communities between Japan and Taiwan including sister town relationships and other partnership agreements.

Question-4

How many direct-flights to Japan does Taiwan Taoyuan Int. Airport provide ?

① 6　　② 12　　③ 18　　④ 24



Answer-4

How many direct-flights to Japan does Taiwan Taoyuan Int. Airport provide ?

① 6　　② 12　　③ 18　　④ 24

Taoyuan

1. Sapporo, 2. Asahikawa, 3. Hakodate, 4. Sendai,
5. Toyama, 6. Niigata, 7. Tokyo, 8. Nagoya,
9. Komatsu, 10. Shizuoka, 11. Osaka, 12. Takamatsu,
13. Hiroshima, 14. Okayama, 15. Fukuoka, 16. Miyazaki,
17. Kagoshima, 18. Naha

③ 18 cities

Question-5

How is the "Like" in Facebook expressed in Taiwanese and Japanese, respectively?

① Taiwan: 好吃, Japan: いいね！

② Taiwan: 好吃, Japan: やあ

③ Taiwan: 讚, Japan: いいね！

④ Taiwan: 讚, Japan: やあ

Answer-5

How is the "Like" in Facebook expressed in Taiwanese and Japanese respectively?

① Taiwan: 好吃, Japan: いいね！

② Taiwan: 好吃, Japan: やあ

③ Taiwan: 讚, Japan: いいね！

④ Taiwan: 讚, Japan: やあ

③ Taiwan: 讚, Japan: いいね！

(好吃: delicious!, やあ: Hey! or Hi!)

Question-6

How is High-Speed Railway in Taiwan called in and Japan respectively?

① Taiwan: 高鐵，Japan: 新日鐵

② Taiwan: 高鐵，Japan: 新幹線

③ Taiwan: 火車，Japan: 新日鐵

④ Taiwan: 火車，Japan: 新幹線

Answer-6

How is High-Speed Railway in Taiwan called in and Japan respectively?

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④ Taiwan: 火車，Japan: 新幹線

② Taiwan: 高鐵，Japan: 新幹線

Question-7

Taiwan High Speed Railway has started operation since 2007. Japanese "Shinkansen" technologies have been employed for the train system. Is it the first case that the Shinkansen technologies were exported and introduced into high-speed railways overseas ?

○ Yes

× No

Answer-7

Taiwan High Speed Railway has started its operation since 2007. Japanese "Shinkansen" technologies have been employed for the train system. Is it the first case that the Shinkansen technologies were exported and introduced into high-speed railways overseas ?

○ Yes

Question-8

In Japan, which dam had the most visitors in 2015?

① Kurobe Dam (Toyama)

② Tokuyama Dam (Gifu)

③ Hakusui Dam (Oita)

④ Miyagase Dam (Kanagawa)

Answer-8

In Japan, which dam had the most visitors in 2015?

① Kurobe Dam (Toyama)

② Tokuyama Dam (Gifu)

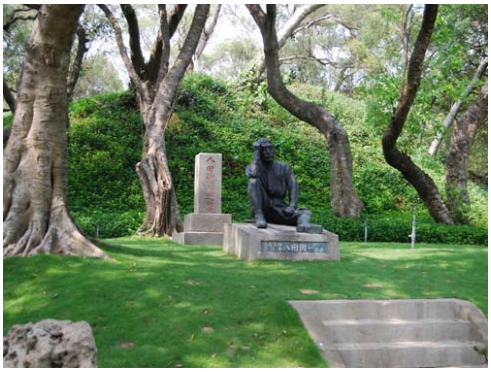
③ Hakusui Dam (Oita)

④ Miyagase Dam (Kanagawa)

Question-9

Yoichi Hatta is a Japanese engineer, known for his contributions to the development of hydraulic engineering in Taiwan. In particular, he is famous for designing Chianan Canal and Wusanto-Dam.
The Wusanto-Dam Lake has another name after its appearance. What is it?

① Coral Lake ② Hatta Lake ③ Fjord Lake ④ Fork Lake



Answer-9

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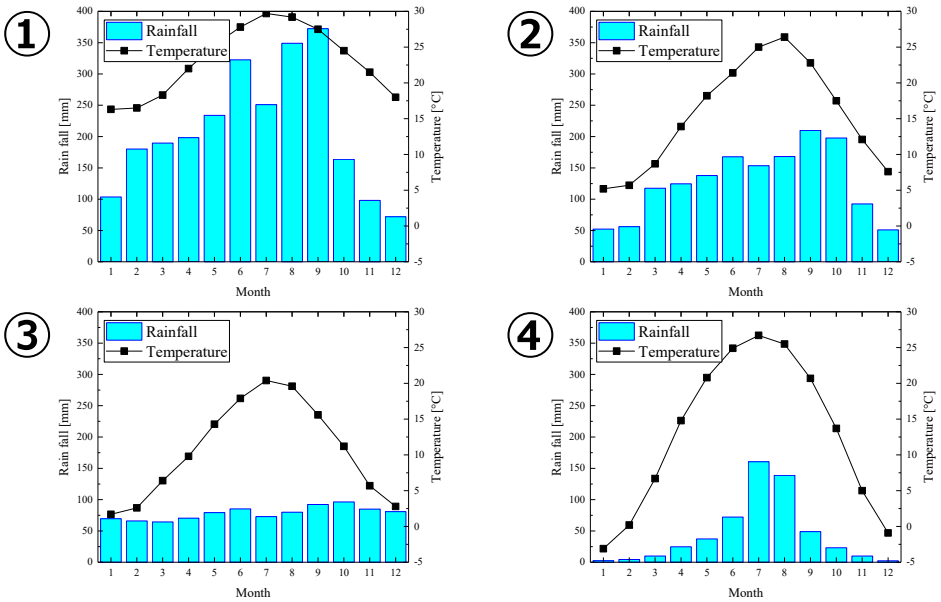
① Coral Lake ② Hatta Lake ③ Fjord Lake ④ Fork Lake

Correct answer is …

① Coral Lake（珊瑚湖）

Question-10

The following graph shows the average rainfall and average temperature in the period of 1981~2010 in the four cities: Taipei, Tokyo, Geneve, and Beijing. Choose two for Taipei and Tokyo.



Answer-10

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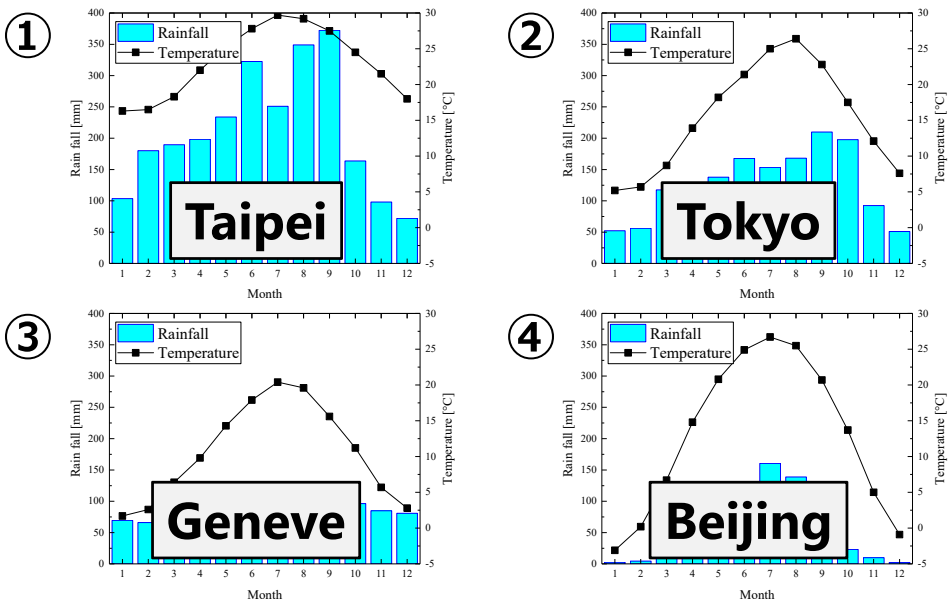

Taipei: ①

Tokyo: ②

Questionnaires

Young Engineer Power UP sub-committee
Omotenashsi Team

土木おもてなし隊

TEAM "CIVIL ENGINEERING OMOTENASHI"

土木学会　若手パワーアップ小委員会

JSCE Young Engineers Power Up Sub-Committee

土木おもてなし隊
TEAM "Civil Engineering OMOTENASHI"

【設立の目的】

Our Aims are:

訪日外国人・留学生の皆さんに…

To foreign visitors and international students who are studying in Japan,

・日本に来たからこそできる体験をしてほしい

To gain hands-on experiences,

・もっと学校や職場を出て、地元の人と交流を深めて欲しい

To meet locals, children, youth, and seniors out their turf, and

・日本の土木技術の歴史、最新技術を知ってほしい

To see, touch and feel the **Japanese Civil Engineering History and Heritage & State-of-Art Technology!**

日本の土木技術に興味はありますか？
Are you interested in the Japanese Civil Engineering ?

Kintaikyo Bridge

Shinkansen and Mt.Fuji

Tokyo Bay Aqua-Line

Kurobe Dam

Metropolitan Expressway

Lake Biwa Canal

日本でどんな経験がしたいですか？
What do you like to do in Japan ?

■構造物見学ツアー Civil Engineering Structure Tour
例．首都圏外郭放水路
Ex. The Metropolitan Area Outer Underground Discharge Channel

■現場見学ツアー Construction Site Tour
例．新宿駅改良工事
Ex. Shinjuku Station Improvement

■研究所見学ツアー Research Lab Tour
例．防災科学研究所 E-ディフェンス
Ex. National Research Institute for Earth Science and Disaster Resilience

■被災地語り部 Listening to the storytellers who have experienced destructive natural disasters & extreme weathers
例．石巻市復興まちづくり情報交流館中央館
Ex. Ishinomaki Community & Info Center

日本で誰と交流したいですか？
Whom do you want meet in Japan?

■家族
Local Families

■学生
Students

■技術者
Engineers

■研究者
Researchers

日本で土木以外に興味のあることは？

What are you interested in in Japan, excluding C.Eng. Tech?

Group Discussion

“What can the collaboration among us, young civil engineers produce or change ?”

"What can the collaboration among us, young civil engineers produce or change ?"

- **We Japan and Taiwan have a lot in common.**
  - Weather: Rainfall, Temperature, Typhoon, …
  - Geography: 2/3 of the country are mountains or forests. Surrounded by sea.
  - Disaster: Earthquake, River flooding, Landslides, Debris flow, …
  - Energy and Environments: Nuclear power plant, Methane Hydrate, Renewable energy source, …
- **Most of them are global issues in the next decades.**
- **Can we be a next Yoichi Hatta ?**
  (…cannot be done by individuals but by group.)
- **Who, When, Where, What, and How ?**

Let's start brainstorming !!