

2013

JSCE

The ECCE Conference  
“Changes in Civil Engineering”

# Lessons learned from the 2011 Great East Japan Earthquake

Takehiko Ono  
JSCE

Good afternoon, ladies and gentleman of European Council of Civil Engineers.

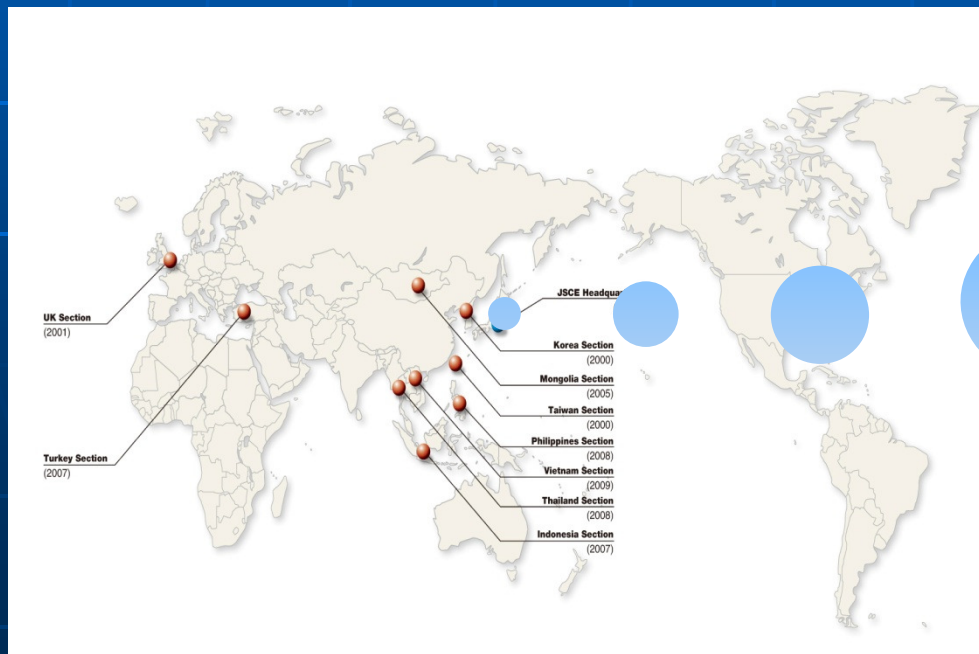
I am Takehiko Ono, the president of Japan Society of Civil Engineers.

On behalf of the JSCE members, I would like to congratulate you on this 2013 ECCE Annual Meeting, and I am very grateful for your heartwarming invitation.

# About JSCE

JSCE

JSCE was established in 1914 and we have about 38,000 members. We also have over 300 committees and 9 international sections.



JSCE headquarter in Tokyo

JSCE's mission is :

- ① to contribute to the development of the society through the progress of civil engineering technologies
- ② the expansion of business field
- ③ the improvement of civil engineers' skills.

# The 100th anniversary of JSCE in 2014

JSCE will have  
the 100th anniversary  
in 2014.



The 100<sup>th</sup> anniversary of the JSCE in 2014

Japan has experienced significant changes in the last 100 years, and social needs for civil engineering have been greatly changed. While looking back the past changes, we think the anniversary as a chance to reconsider the future vision and activities.

# The 100th anniversary of JSCE in 2014

We will carry out the centennial projects focused on:

- ① social contribution
- ② international contribution and
- ③ civil interaction

as the beginning of continuous development of civil engineers.

# The 100th anniversary of JSCE in 2014

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For the 100th Anniversary of JSCE, we are scheduling the international symposium on contributions of infrastructure to life of affluence, memorial ceremony and banquet from November 19th to 21st, 2014 in Tokyo.

We strongly recommend you to join these activities.

# Foundation of IAC

JSCE

We started the International Activity Center in April 2012.

IAC has three purposes.

The first is to improve the communication and cooperation among civil engineers in the world for the progress of science and technologies.



The second is to contribute to the development of society all over the world through the utilization of Japanese civil engineering technologies.

And the third is to enhance collaboration between the civil engineering and other academic fields.

## Correspondence to the disasters of Great East Japan Earthquake and preparation for anticipated natural disasters

JSCE gratefully appreciates your kind helps for the Great East Japan Earthquake occurred on March 11th 2011.



1,500 clothes were contributed to children of Aizu Wakamatsu by the Portuguese child apparel maker.

JSCE's recent activities

JSCE

Correspondence to the disasters of Great East Japan Earthquake  
and preparation for anticipated natural disasters

We'd like you to see the short films of the disaster  
first.



Correspondence to the disasters of Great East Japan Earthquake  
and preparation for anticipated natural disasters

We repeatedly investigated the damaged area and proposed for the revival, and our proposals are now applied step by step to be seen as effective for the recoveries of infrastructure such as roads, harbors, and sewage lines.

Correspondence to the disasters of Great East Japan Earthquake  
and preparation for anticipated natural disasters

However, the biggest problem for the recovery of the community is the long time consumption for inhabitants' agreement, because of no prepared discussion on the assumption of the disaster. We think prepared discussion is essential.

Correspondence to the disasters of Great East Japan Earthquake  
and preparation for anticipated natural disasters

It is pointed out that the optimal combination of Hard and Soft preparation is important for the prevention and mitigation of natural disasters.

Correspondence to the disasters of Great East Japan Earthquake  
and preparation for anticipated natural disasters

“Hard” is to protect by structures, and “Soft” is to take refuge when the disaster is very rare but drastic. For the optimal combination we should not always rely on structures but practice for refuge at ordinary times. We have to help personally, mutually and publicly.



## Maintenance of Infrastructure

Since Japanese social foundations were abruptly constructed during the years from 1955 to 1973, most of them will soon be more than 50 years old.



Metropolitan Expressway 1962~



Tokaido Shinkansen 1964

## Maintenance of Infrastructure

Last December, concrete ceiling boards of the highway tunnel which were constructed in the years collapsed and we reconsider the importance of the adequate maintenance of infrastructure.

We hope you as the advanced countries of infrastructure to advise us about the maintenance.



## Activation of JSCE and education of engineers

Since I believe the process of branches' members' cooperation and achievement through their activities can be effective for their education,

I put an emphasis on activation of branches and their cooperation with the headquarter.



JSCE's recent activities

JSCE

## Activation of JSCE and education of engineers

Now I actually see the improvement in JSCE's activities on the point of engineers' education.

Collaboration is  
important

Private

Public

Academia



Cross disciplinary  
conference



# Join us!!

JSCE

Once again we strongly recommend you to join the 100th anniversary activities of JSCE in 2014.

we will hold the international conference here.



Tokyo Skytree

Photo: wikipedia  
2013.5.31



Tokyo station

Photo: wikipedia



JP TOWER Hall & Conference

Photo : JP TOWER Hall & Conference HP