

The Highlight of JSCE Concrete Committee 2014

JSCE Concrete
Newsletter 2014

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No.36 Jan.

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No.37 Apr.

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No.38 Jul.

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No.39 Oct.

JSCE Award 2013



JSCE gave JSCE Awards 2014 to researchers and projects who had brought a great accomplishment in concrete field or proposed outstanding achievements.

The researchers who received,

- Achievement Award
 - Research Accomplishment Award
 - Research Paper Award
 - Incentive Award
- are introduced here.

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The researchers who received,
- Yoshida Award
are introduced here.

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The projects which received,
- Tanaka Award
are introduced here.

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The projects which received,
- Outstanding Civil Engineering
Achievement Award
are introduced here.

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Concrete: Changing and Constant, Developing and Enduring

~ Concrete Committee Research Discussion Session ~



The panel discussion on 'Concrete: Changing and Constant, Developing and Enduring' was held by the Concrete Committee during the Japan Society of Civil Engineers 2014 Annual Meeting at Osaka University on September 10th, 2014.

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Tsunami wave force on bridge structures

~ Roundtable discussion with committee members and researchers ~



Following the Great East Japan Earthquake Disaster, the JSCE Concrete Committee established a survey research committee on the evaluation of tsunami wave forces on bridge structures. In this roundtable discussion, committee members and researchers discussed the committee's activities and future directions.

[More Story..](#)

Dedicated Website for JSCE Design Specifications



Concrete technologies for human and sustainable society

2013 Standard Specifications for Concrete Structures have been widely used in postwar earthquake-hit Japan with a great reputation. In order to realize the goal of being, maintenance and development of concrete structures while achieving optimal performance and economy, the 2012 publication of the previously Standard Specifications for Reinforced Concrete Structures. In order to take the advantage of planning, design, construction and maintenance of concrete structures should be, it has been considered necessary to the development of concrete technology in Japan. The 2012 revised the previously specifications, making a transition from mainly with prescriptive specifications based to those with performance based based. Today, the main work for concrete committee has published the 2012 version of the Standard Specifications for Concrete Structures, which comprises the latest technological development and application. The 2012 edition of the specifications consisted of six parts, "General Principles", "Design", "Materials and Construction", "Maintenance", "Data sources", and "Test methods and Specifications". In this paper, brief characteristics of the 2012 edition are introduced.

A dedicated website of JSCE Standard Specifications for Concrete Structures was established.

[Web page](#)

Subcommittee Reports



Seven subcommittees reported their activities on the newsletters.

Subcommittee 223

Research and Study Subcommittee for the Disposal and Utilization of Post-Earthquake Rubble

[Report](#)

Subcommittee 270

Research committee on Fire Protection Technology for Concrete in Tunnel Structures

[Report](#)

Subcommittee 271

Research committee on construction anchors

[Report](#)

Subcommittee 339

Reliability enhancement of non-destructive evaluation methods for concrete structures

[Report](#)

Subcommittee 340

Research committee on Design System for Reinforced Concrete

[Report](#)

Subcommittee 341

Research committee on examination and inspection systems for the design of concrete mix proportions based on the construction performance of fresh concrete

[Report](#)

Subcommittee 345

The Subcommittee for the Study of Chemical Interactions between Cement-based Structures and the Surrounding Ground

[Report](#)