

# Report from JCI (Japan Concrete Institute)

by Dr. Hitoshi Shiohara, PhD, FACI  
Professor, the University of Tokyo

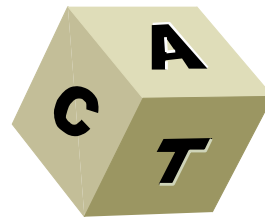


International Forum  
Spring 2017 / Anaheim, California



# Journal of Advanced Concrete Technology

Materials, Structures and Environment



# Journal of Advanced Concrete Technology

Electronic-only, open access international journal of Japan Concrete Institute

# Outline of ACT

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment



**Publisher:** Japan Concrete Institute - JCI

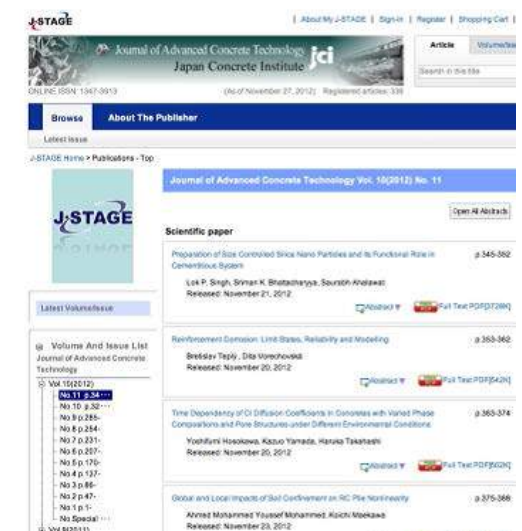
Established 1965, Number of membership 8000,  
Publishing three Journals.

## History

- 2003 Published with paper and electronic form.
- 2007 Indexed in Science Citation Index Expanded.
- 2009 First impact factor of 0.675.
- 2012 Electronic-only, open access journal (J-stage).

## Editorial and Advisory Boards

12 editorial members in Japan, 18 advisory members  
around the world.





# Web sites

## Journal of Advanced Concrete Technology Materials, Structures and Environment



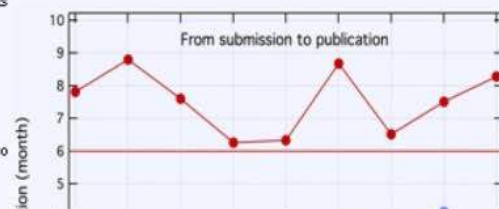
### Welcome to ACT

ACT is fast. Only 6 to 8 months from submission to publishing thanks to electronic file exchange between you, the reviewers and the editors.

ACT is high quality. Peer-reviewed by 3 internationally renowned experts who return review comments to ensure the highest possible quality.

ACT is transparent. The status of your manuscript from submission to printing can be viewed on our website, greatly reducing the frustration of being kept in the dark, possibly for over a year in the case of some journals.

ACT is cost-effective. Submission and subscription charge. Full-text PDF files are available for their web sites.



Impact Factor (2011): 0.477  
Journal Citation Reports by Thoms

2012.10.20: Special issue "Advances in Self-healing Concrete"  
2012.09.30: Three papers published in September  
2012.08.31: Three papers published in August  
2012.07.30: Two papers published in July are  
2012.07.01: Plagiarism detection CrossCheck  
2012.06.30: Three papers published in June are  
2012.06.20: Two papers published in May are  
2012.04.30: Three papers published in April are  
2012.03.31: Four papers published in March are  
2012.02.29: Three papers published in February  
2012.02.03: Submission of your paper became  
2012.01.31: Four papers published in January  
2012.01.01: All the past articles including 2011  
2011.12.22: Three outstanding papers of 2011

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Sogo Hanzomon Bldg. 12F, No. 7, Kojim



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### Volume And Issue List

Journal of Advanced Concrete Technology

Vol.10(2012)

No.11 p.34...

No.10 p.32...

No.9 p.285-

No.8 p.254-

No.7 p.231-

No.6 p.207-

No.5 p.170-

No.4 p.137-

No.3 p.86-

No.2 p.47-

No.1 p.1-

Journal of Advanced Concrete Technology Vol. 10(2012) No. 11

[Open All](#)

### Scientific paper

Preparation of Size Controlled Silica Nano Particles and Its Functional Role in Cementitious System

Lok P. Singh, Sriraman K. Bhattacharyya, Saurabh Ahlawat

Released: November 21, 2012

[Abstract](#)

[Full Text PDF](#)

Reinforcement Corrosion: Limit States, Reliability and Modelling

Bretislav Teplý, Dita Vorechovská

Released: November 20, 2012

[Abstract](#)

[Full Text PDF](#)

Time Dependency of Cl Diffusion Coefficients in Concretes with Varied Phase Compositions and Pore Structures under Different Environmental Conditions

Yoshifumi Hosokawa, Kazuo Yamada, Haruka Takahashi

Released: November 20, 2012

[Abstract](#)

[Full Text PDF](#)

Global and Local Impacts of Soil Confinement on RC Pile Nonlinearity



# Editorial Policy, Fundamentals

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment



## **(1) Concrete Technology and Engineering**

Material science and engineering, Manufacturing, Structural design and Analysis, Construction & Planning, Environmental & Management aspects

## **(2) High quality papers**

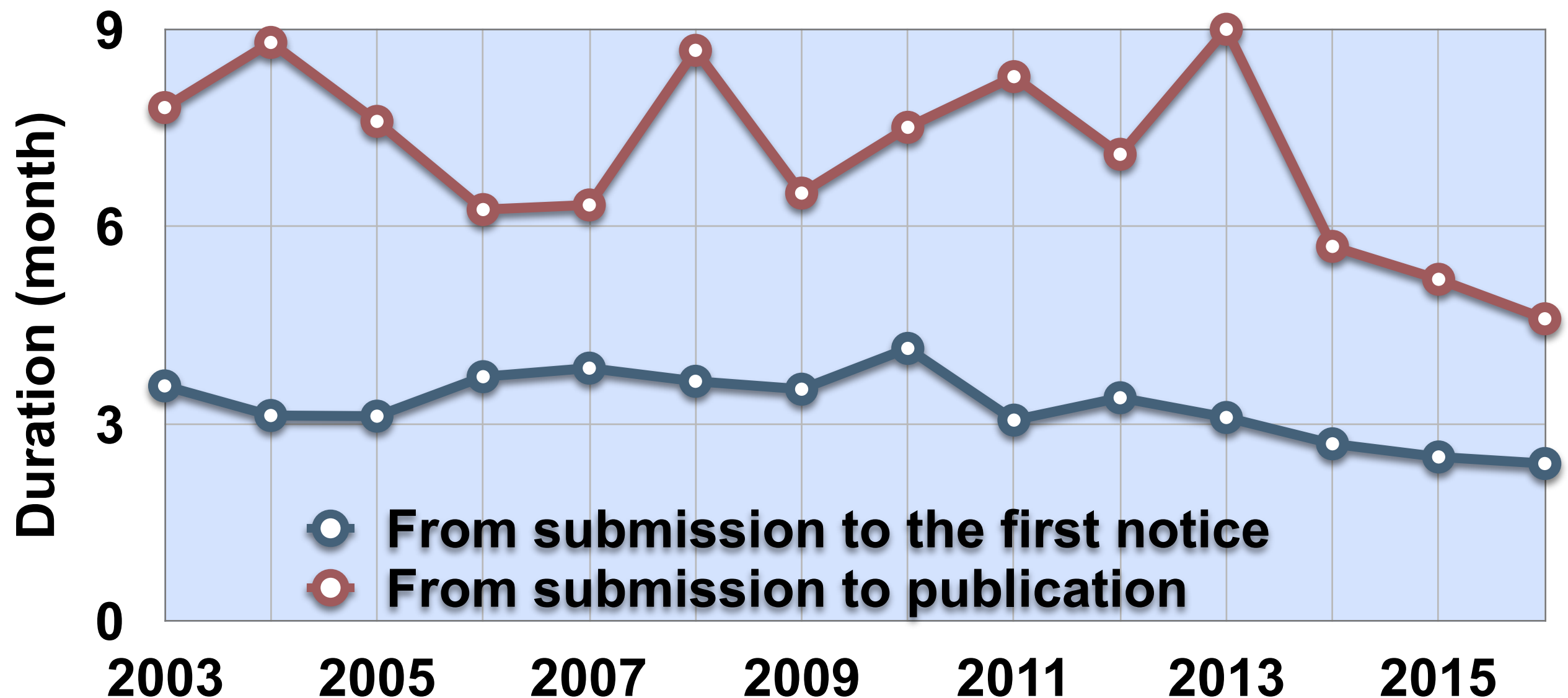
Worldwide standard, highly influencing articles, science, engineering and practice : Two categories, Invited papers time by time

## **(3) Open access**

Downloadable, free-of-charge by anyone. No charge for submission. No need of users' registration. Up-loadable by authors on their websites.  
(financially supported by Japan Concrete Institute)

# Review duration

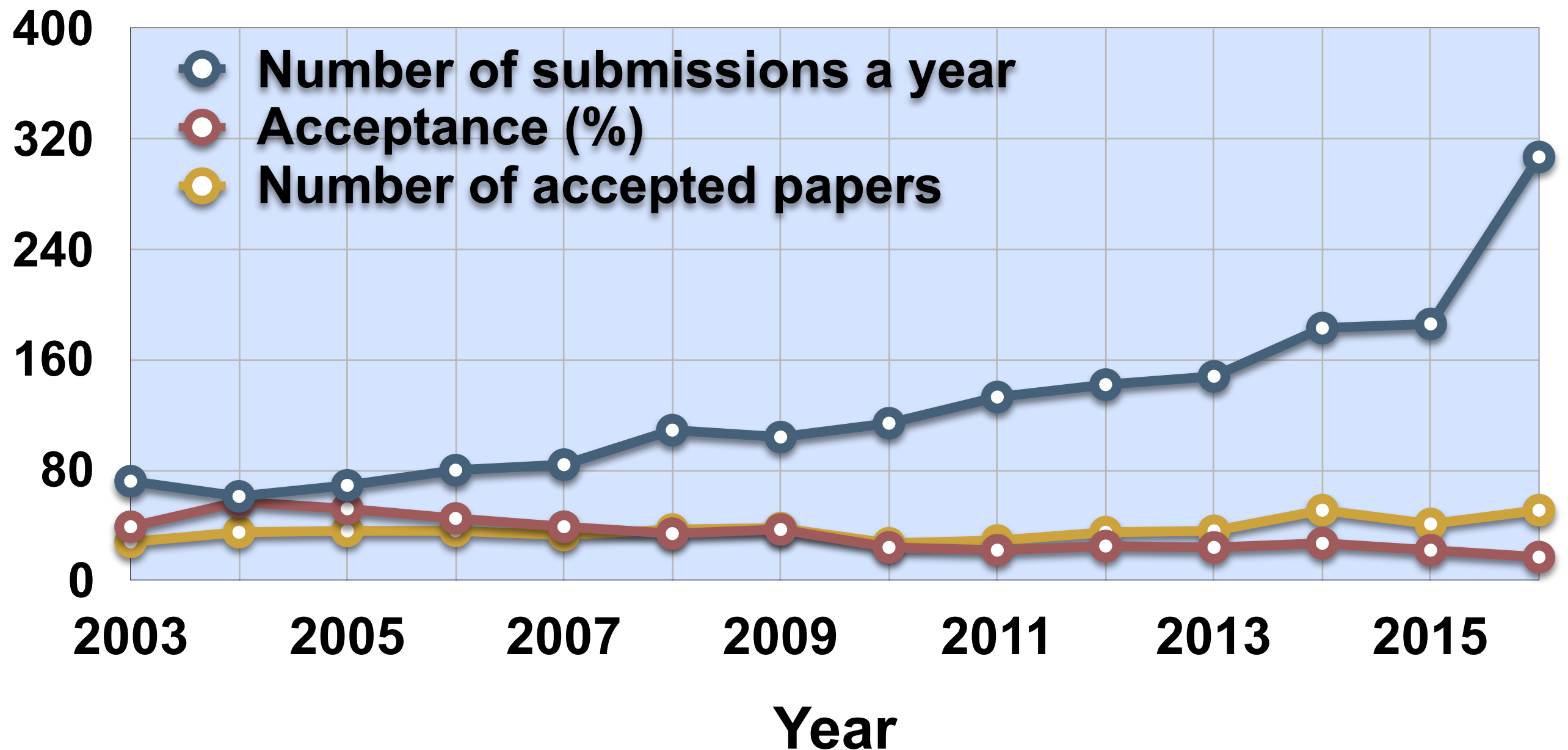
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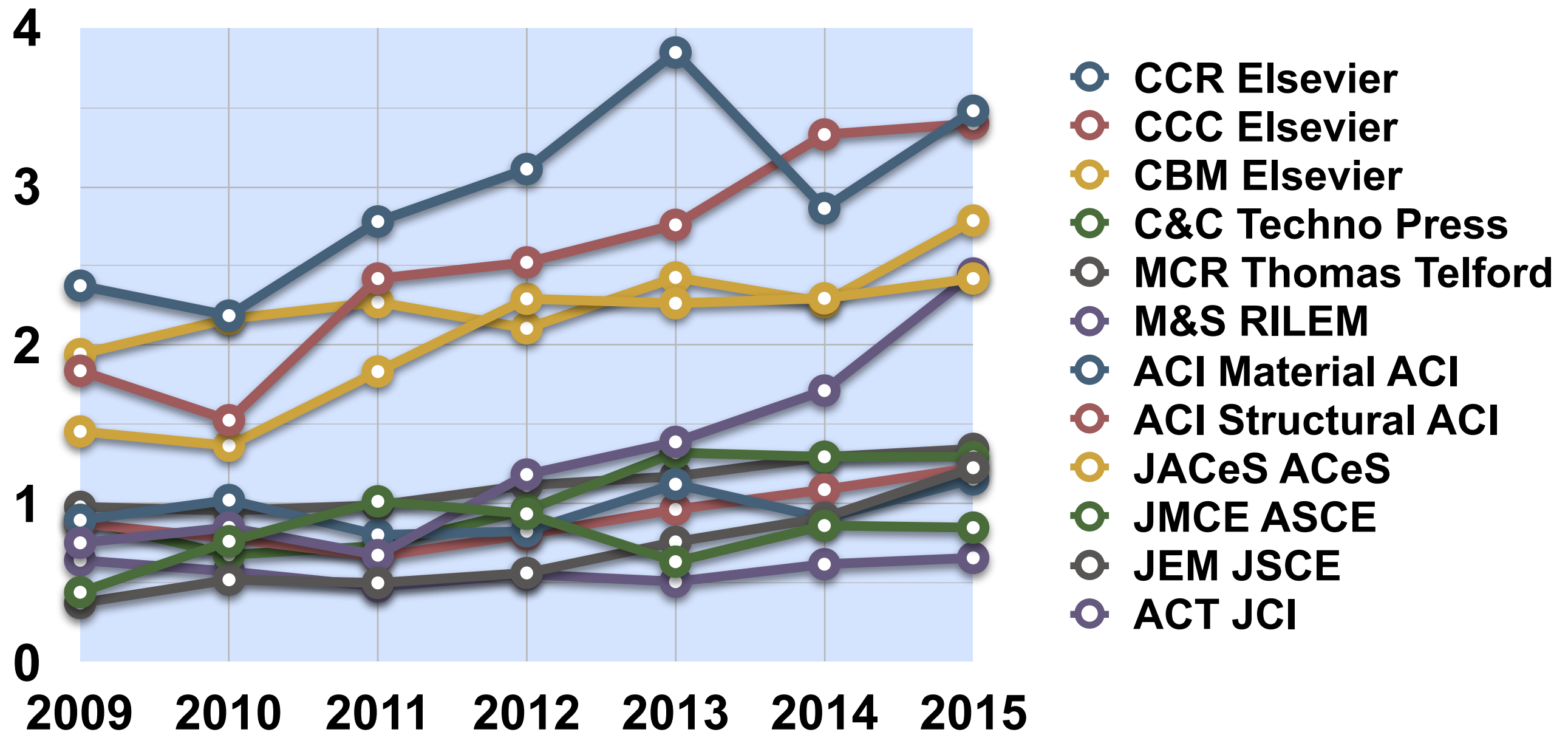
# Acceptance

Journal of Advanced Concrete Technology  
Materials, Structures and Environment



# Impact Factor

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment





# Special issues

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment



<b>Advances in Self-healing Cementitious Materials</b>	<b>2012</b>
<b>Durability and Maintenance of Concrete Structures</b>	<b>2010</b>
<b>High-strength and High-performance Concrete</b>	<b>2009</b>
<b>Seismic Retrofitting of Concrete Structures</b>	<b>2009</b>
<b>Time-dependent Behavior of Concrete Structures</b>	<b>2008</b>
<b>Advances in Characterization of Cement Systems</b>	<b>2007</b>
<b>Green Concrete Technology</b>	<b>2007</b>

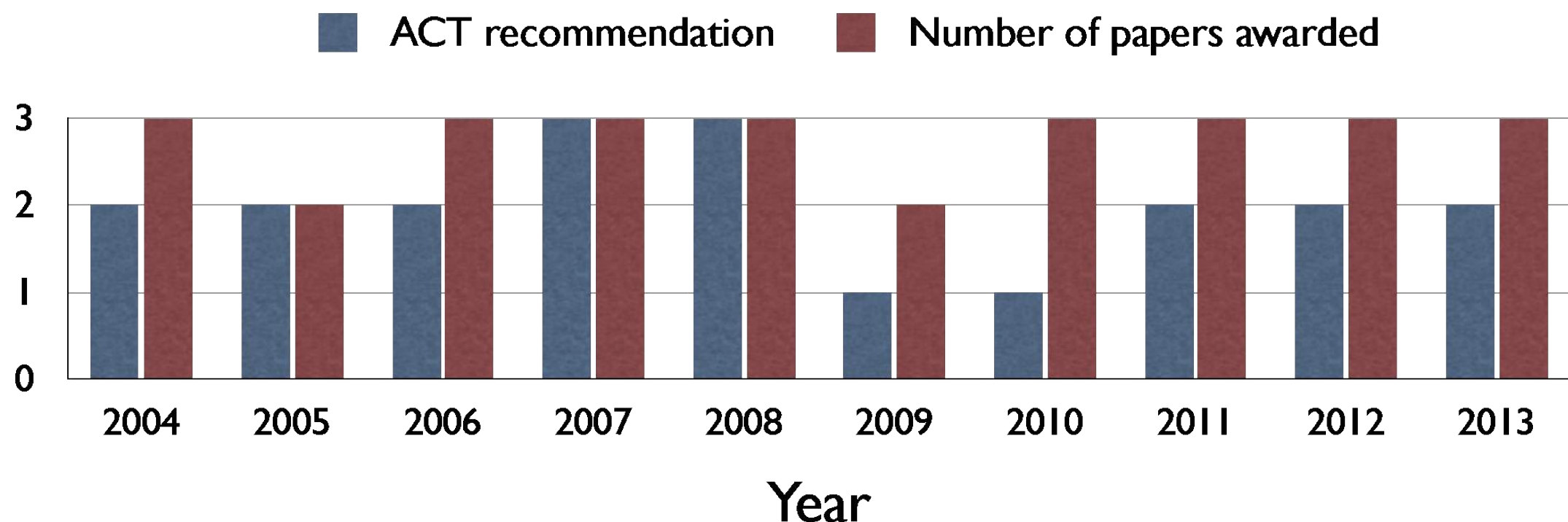
# JCI Awards

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment



**ACT Editorial and Advisory committees select three outstanding papers of the year.**

**The papers are recommended to the JCI Awards every year.**





# Advisory members in the world (18)

**Journal of Advanced Concrete Technology**  
Materials, Structures and Environment



# ACT papers originally published in Japanese journal

Journal of Advanced Concrete Technology  
Materials, Structures and Environment



- Steel Corrosion Induced by Chloride or Carbonation in Mortar With Bending Cracks or Joints. *Miyazato and Otsuki, JSCE*
- Self-Healing Capability of Fibre Reinforced Cementitious Composites. *Homma et al., AIJ*
- Practical Design Criteria for Saturated Pseudo Strain Hardening Behavior in ECC *Kanda et al. AIJ*

but largely enhanced or several conference / journal papers are compiled in English.



# **ISO/TC71**

# **23rd Plenary Meeting**

**Concrete, reinforced concrete  
and pre-stressed concrete**

**Sept 25-28, 2017,  
Hokkaido University  
Sapporo, Japan**



International Forum  
Spring 2017 / Anaheim, California



# ISO/TC 71

## Concrete, reinforced concrete and pre-stressed concrete

### About

Secretariat: [ANSI](#)

Secretary: [Mr Gregory Zeisler](#)

Chairperson (until end 2018): Mr James Cagley

ISO Technical Programme Manager : [Dr Anna Caterina Rossi](#)

ISO Editorial Programme Manager : [Mr Bastien Gavaille](#)

Creation date: 1949

### Scope

Standardization of the technology of concrete, of the design and construction of concrete, reinforced concrete and pre-stressed concrete structures, so as to ensure progressive development both in quality and in price reduction; and of definitions and terms, as well as testing procedures, to facilitate international exchange of research work.

### Structure

<a href="#">ISO/TC 71/SC 1</a>	Test methods for concrete
<a href="#">ISO/TC 71/SC 3</a>	Concrete production and execution of concrete structures
<a href="#">ISO/TC 71/SC 4</a>	Performance requirements for structural concrete
<a href="#">ISO/TC 71/SC 5</a>	Simplified design standard for concrete structures
<a href="#">ISO/TC 71/SC 6</a>	Non-traditional reinforcing materials for concrete structures
<a href="#">ISO/TC 71/SC 7</a>	Maintenance and repair of concrete structures
<a href="#">ISO/TC 71/SC 8</a>	Environmental management for concrete and concrete structures



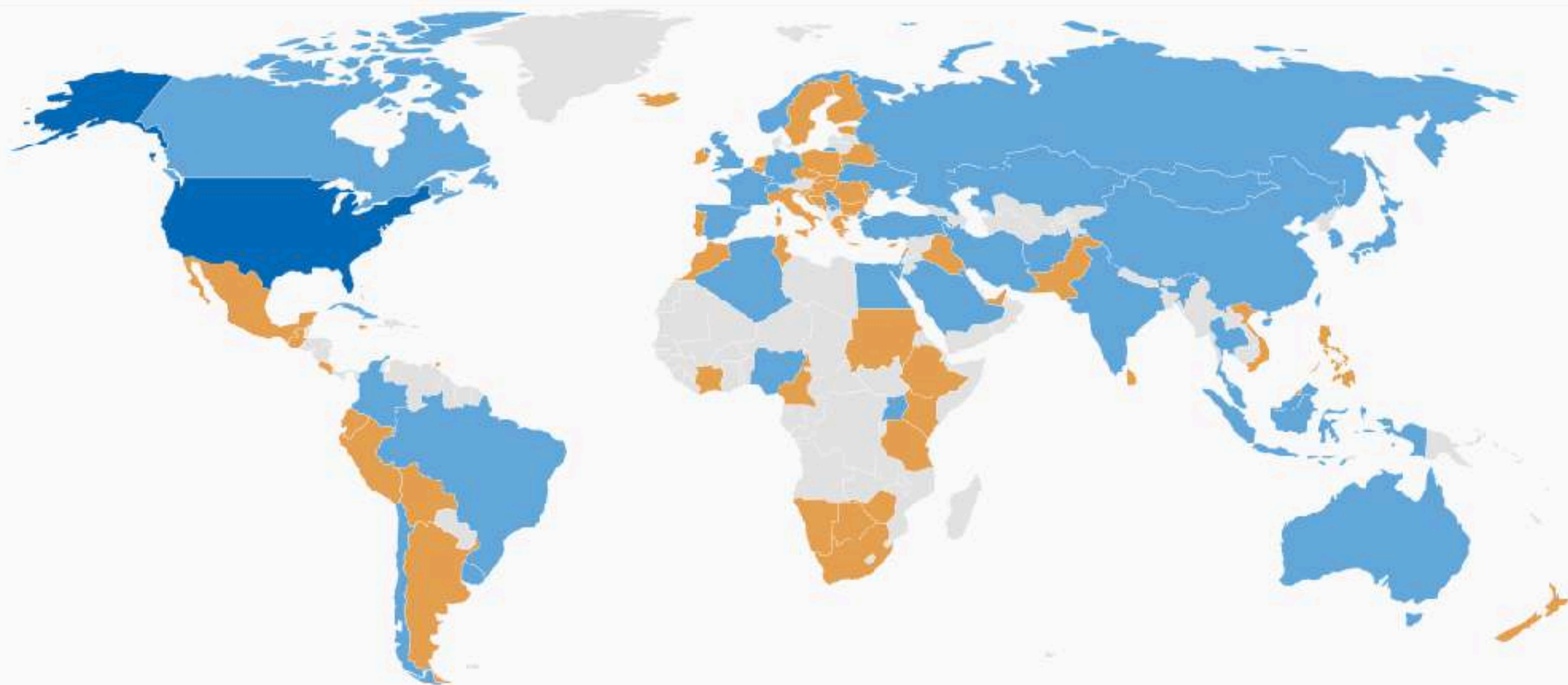


# International Organization for Standardization

Great things happen when the world agrees

## ISO/TC 71

Concrete, reinforced concrete and pre-stressed concrete



Secretariat ■  
United States

Participating Members (38) ■

Observing Members (58) ■

# ISO/TC71 23rd Plenary Meeting



**Number of attendants: 96**

**Delegate: 79**

Australia 1

Brazil 2

China 7

Colombia 2

India 8

Israel 2

Japan 30 (including 3 guests)

Korea 14

Norway 2

Russia 3

Switzerland 1

Tanzania 1

Uganda 1

USA 5

**Accompany: 14**

**Secretary: 3**



# ISO/TC71 23rd Plenary Meeting

Time slot	Day 1 Mon, Sept 25	Day 2 Tue, Sept 26	Day 3 Wed, Sept 27	Day 4 Thurs, Sept 28
09:00 - 12:00 hrs	<b>WORKSHOP</b> Rm: R2, Conference Hall <b>Opening:</b> Mr. J Cagley <b>WS Theme:</b> Sustainability in Std. & Codes-Present&Future 1. Introduction (K. Sakai) 2. ISO 13315 (K. Sakai) 3. ISO-LCM (H. Yokota) 4. <i>fib</i> Model Code(T. Ueda) 5. ACI Building Code (J. K. Wight) 6. Building Standards Act (M. Teshigawara)	<b>ISO/TC71/SC1</b> Rm: AL1  <b>ISO/TC71/SC5</b> Rm: A101  <b>ISO/TC71/SC7</b> Rm: AL2	<b>ISO/TC71/SC3</b> Rm: AL1  <b>ISO/TC71/SC4</b> Rm: A101  <b>ISO/TC71/SC6</b> Rm: AL2	<b>ISO/TC71 Plenary</b> Rm: AL1+AL2 <b>Welcome:</b> Mr. J. Cagley <b>Opening presentation:</b> Dr. T. Nawa (President of Hokkaido University)  <b>Group photo</b>
12:00 - 14:00 hrs	<b>Lunch</b>  12:15-13:30 <b>Ad hoc steering committee meeting</b> Rm: AL2	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
14:00 - 17:00 hrs	14:00-18:00 <b>ISO/TC71/SC8</b> Rm: AL1	<b>ISO/TC71/SC1</b> Rm: AL1  <b>ISO/TC71/SC5</b> Rm: A101  <b>ISO/TC71/SC7</b> Rm: AL2	<b>ISO/TC71/SC3</b> Rm: AL1  <b>ISO/TC71/SC4</b> Rm: A101  <b>ISO/TC71/SC6</b> Rm: AL2	<b>ISO/TC71 Plenary</b> Rm: AL1+AL2 <b>Invited Presentation:</b> 1. Mr. Y. Nakano (METI Director/JISC Deputy Secretary General) 2. Prof. K Maruyama (President of JCI)
17:00 - 19:00 hrs		<b>ISO/TC71/WG1</b> Rm: A101 (Life cycle management of concrete structures)	18:00- Shuttle bus for dinner pick up at School of Eng.	
19:00 hrs	<b>Welcome Reception</b> Hotel Mystays Aspen Sapporo	<b>Open Evening</b>	<b>Dinner</b> Garden Grill, Sapporo Bier Garten	

# ISO/TC71 23rd Plenary Meeting





# ISO/TC71 23rd Plenary Meeting



**23<sup>rd</sup> ISO/TC71 PLENARY MEETING**  
**September 25-28, 2017 / Hokkaido University, Japan**

# Thank you

by Dr. Hitoshi Shiohara, PhD, FACI  
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Spring 2016 / Milwaukee