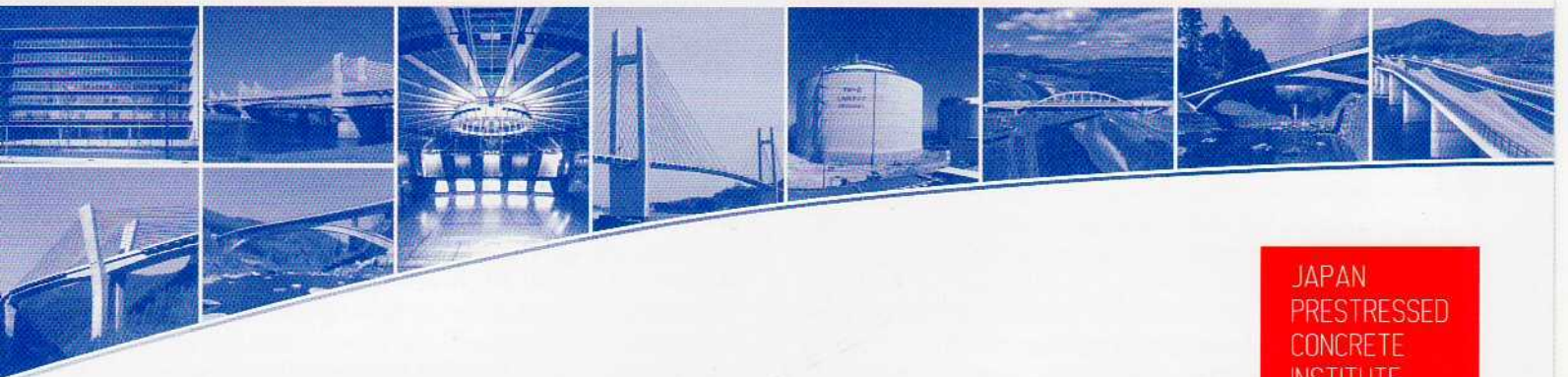
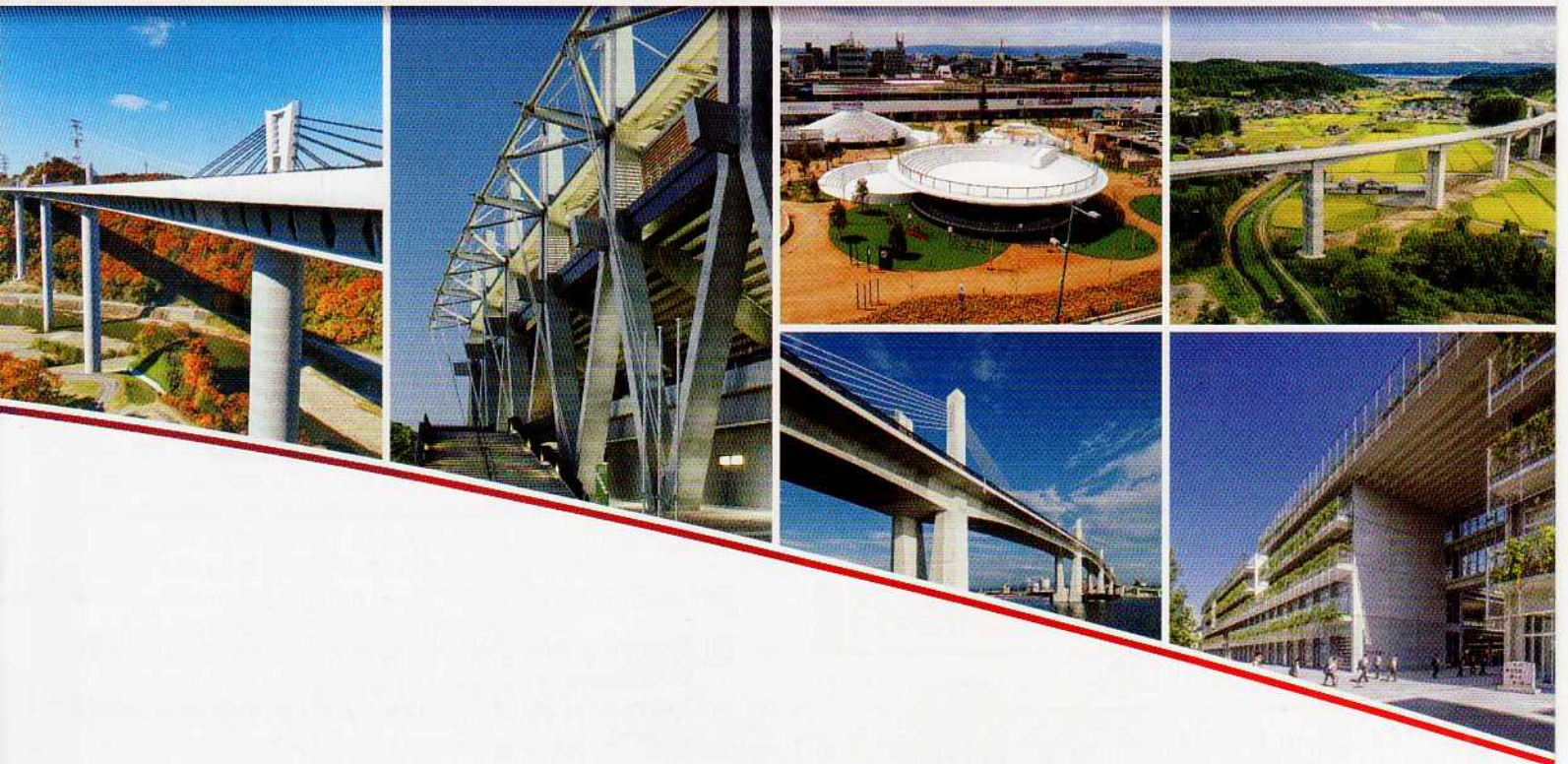




# Japan Prestressed Concrete Institute

公益社団法人 プレストレストコンクリート工学会



JAPAN  
PRESTRESSED  
CONCRETE  
INSTITUTE

## Message from President Inoue

I was appointed as the 34th President of the Japan Prestressed Concrete Institute (JPCI) at the 60th Annual General Meeting held on May 2019. Japan Prestressed Concrete Engineering Association which is the forerunner of JPCI was founded in February 1958 on the condition that Japan joins the Federation International Prestressed Concrete (FIP) on behalf of Japan, and was established as an incorporated association in March 1960. JPCI is a traditional academic organization that celebrates its 60th anniversary in March 2020. We have to inherit the will and mission of seniors at that time, and be responsible for the succession and development of prestressed concrete technology.

My first involvement with prestressed concrete was senior thesis at Kyoto University. It was a valuable experience for me to participate in the FIP Symposium 1993 in Kyoto and the 1st *fib* Congress 2002 in Osaka.

In recent years, Since Japan is a country that frequently suffers damage from earthquakes, heavy rains, and other natural disasters, construction and maintenance of a safe infrastructures is a pressing issue. I believe that precast and prestressed concrete technology plays a major role not only in strengthening our country against natural disasters, improving productivity and durability since the population is aging due to low birth rate in Japan, but also in managing and maintaining extensive infrastructure facilities. It is my hope that Japanese technology will continue to contribute globally in the future. In 2017, JPCI published the "Declaration for Prestressed Concrete Sustainability", summarizing the roles, tasks, aims projects needed to achieve a sustainable society from the point of view, environmental, social and economic aspects.

JPCI Symposium will be held in Nagoya, November 2019 and in Takasaki, October 2020. We welcome many researchers and engineers from abroad to join in the JPCI Symposium. JPCI Director Dr. Akio Kasuga was appointed Deputy President of *fib* in January 2019, so we are hopeful that international exchange will become more active.

Dr. Susumu Inoue, the 34th President of the Japan Prestressed Concrete Institute  
(Professor, Department of Civil Engineering And Urban Design, Osaka Institute of Technology)



井上 晋

## ORGANIZATION

JPCA(Japan Prestressed Concrete Engineering Association) which is the forerunner of JPCI has been founded in 1958 to extend prestressed concrete engineering in Japan and contributed over 60 years in Prestressed Concrete Engineering and Structural Concrete.

JPCI co-organizes the national organization of *fib* (fédération internationale du béton) with JCI(Japan Concrete Institute). JPCI mainly contributes to the activity of national organization in the field of structural concrete. The officer of JPCI becomes a member of the *fib* presidium as a Japanese representative, participates in planning and the administration of events.

## OUTLINE of ACTIVITIES

JPCI was established for the discussion, advancement and promotion of prestressed concrete engineering. Our main activities are as follows.

- (1) Research and promotion of prestressed concrete engineering, and the spread of those result
- (2) Publication of journal and reports, holding technical courses and lectures

- (3) Domestic and international activities with related organizations
- (4) Various activities to attain our objects and public interest

## COMMITTEE ACTIVITIES

JPCI organizes working committees to carry out various activities functionally. The following lists are part of working committees.

- Technical Standard Committee
- Journal Editorial Committee
- International Committee
- Committee on Prestressing Reinforcements
- Symposium Organizing Committee
- Committee on Certification of Prestressed Concrete Engineer
- Committee on Certification of Maintenance Engineer for Concrete Structures
- Committee on Selection of Public Offering Research
- Committee on Archives of Prestressed Concrete Technology

## JOURNAL of Prestressed Concrete

JPCI publishes bimonthly journal. The journal is recognized as a quality paper in the field of structural concrete. It gives latest and useful information in the field of prestressed concrete and structural concrete.



- Post-Tensioned Concrete Bridges
- Report of Prestressed Concrete Structures on the Great East Japan Earthquake Disaster
- Anchoring Device for Prestressed Concrete (2010)

## SYMPOSIUM

JPCI holds annual symposium on prestressed concrete and structural concrete for advancement of prestressed concrete engineering. Lots of technical papers and technical reports are presented.



## PUBLICATIONS

JPCI publishes various books on the prestressed concrete engineering. The following are part of publications in English and Japanese.

“Prestressed Concrete for Freshmen” is widely used for education for college students and young engineers. It is also translated in Korea.



### English Publications

- National Report of Japan on Prestressed Concrete Structures, for The 5th International *fib* Congress (2018)
- Specifications for Design and Construction of Cable-Stayed Bridge and Extradosed Bridge
- Guidelines for Design and Construction of Grouting for Prestressed Concrete Structures
- Guidelines for Maintenance of Prestressed Concrete Cable-Stayed Bridge and Extradosed Bridge
- Guidelines for Performance Verification of Corrosion-Protective Prestressing Steel for External Cables of PC Box Girder

### Japanese Publications

- Prestressed Concrete for Freshmen
- Technology on Prestressed Concrete
- Diagnosis Technology on Concrete Structures
- Proceedings of the Symposium on Developments in Prestressed Concrete (back issue)
- Specifications for Design and Construction of Prestressed Concrete Structures with High Strength Concrete
- Specifications for Design and Construction of Hybrid Bridges
- Specifications for Design and Construction of Prestressed Concrete Cylindrical Water Tanks
- Specification for Design and Construction of Prestressed Concrete Bridge using PE Sheath for Internal Bonded Post-Tensioning
- Guidelines for improving durability of Prestressed Concrete Structures
- Guidelines for Design and Construction of Prestressed Concrete Structures with High Strength Prestressing Steel
- Guidelines for Inspection of Prestressing Steels and Repair & Strengthening of Existing Bonded

## JPCI AWARDS

JPCI presents annual awards to eminent paper, structures, technical development and construction technology. The awards were founded in 1972 and were given for the first time in 1973. The award is one of the most prestigious awards in the field of prestressed concrete engineering and structural concrete in Japan.



## ENGINEER QUALIFICATIONS

### (1) Authorized Prestressed Concrete Engineer

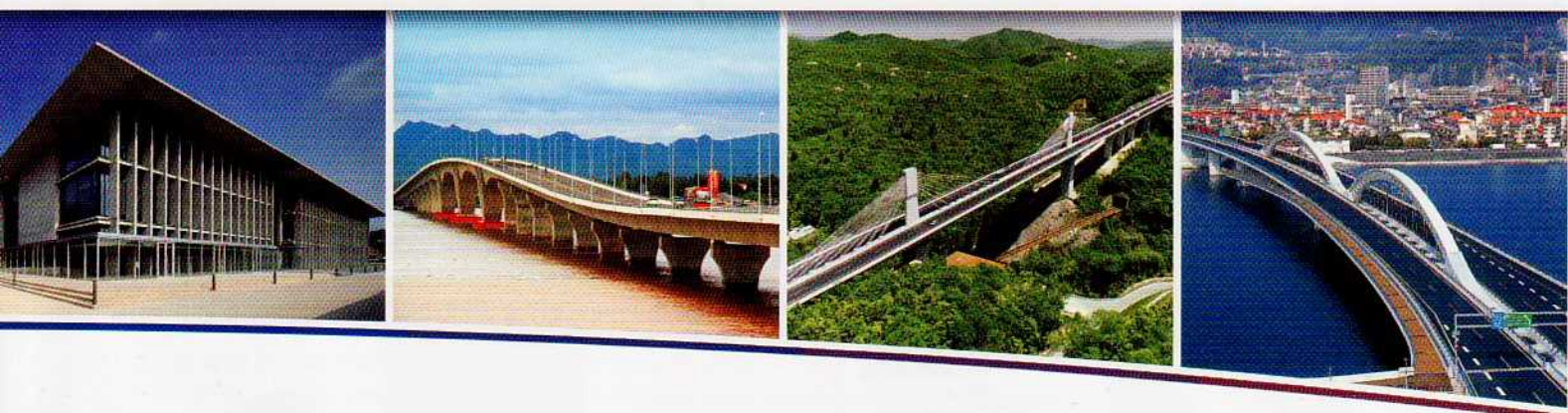
JPCI certifies Authorized Prestressed Concrete Engineer to secure the quality of prestressed concrete structures and improve the technical ability of engineers concerned with prestressed concrete engineering. It is widely recognized and required as the qualification of prestressed concrete structure construction for public works. As of April of 2019, more than 5,000 engineers are registered as Authorized Prestressed Concrete Engineer.

### (2) Professional Engineer for Concrete Structural Diagnosis and Maintenance

The load of maintenance of structures has been increasing along with the stock of infrastructure. In such circumstances, JPCI has established the program for the Professional Engineer for Concrete Structural Diagnosis and Maintenance that certifies the engineers with wide and advanced knowledge for diagnosis and maintenance of concrete structures. The wide activities by Professional Engineers for Concrete Structural Diagnosis and Maintenance are highly expected for the maintenance of concrete structures.

We place more detailed information in the website of JPCI.

<http://www.jpcci.or.jp>



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