



Tokuyama College of
Technology

ISEC-03

Third International Structural Engineering and Construction Conference

“ Collaboration and Harmony of Creative Systems “

**September 20-23, 2005
Shunan, JAPAN**



http://www.tokuyama.ac.jp/tcss1/ISEC_03/

SECOND ANNOUNCEMENT AND CALL FOR PAPERS

Organized by:

Tokuyama College of Technology

Co-sponsored by:

American Concrete Institute

Architectural Institute of Japan

American Society of Civil Engineers

Institution of Professional Engineers in Japan

Japan Concrete Institute

Japan Society of Civil Engineers

Japan Structural Consultant Association

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Conference Proceedings and Special Post-Conference Publication

A set of proceedings will be published that will be given to all fully registered participants. Only fully registered authors will have their final papers included in the published proceedings. Selected papers from the proceedings will be further reviewed and published in a peer-reviewed book after the conference. Authors will be asked to upgrade their papers.

Official Language

The official conference language is English.

Key Dates

Abstract submission	August 15, 2004
Abstract acceptance	August 31, 2004
Paper submission	December 31, 2004
Paper acceptance	March 31, 2005

Abstracts

Submit an abstract of 300-400 words, outlining the content and conclusions of papers by e-mail to the conference chair.

International Structural Engineering and Construction Conference (ISEC).

The mission of ISEC Conferences is to enhance communication and understanding between structural, system, and construction engineers, for successful design and construction of engineering projects. Interdisciplinary integration and international cooperation are encouraged. ISEC conferences promote innovative and integrative approaches in life cycle systems thinking in civil and building engineering that include constructability, specifications, design, bidding, and construction. It is the purpose of ISEC to provide an international forum for the discussion of topics important to developing new knowledge in construction and structural engineering. The aim of ISEC is to conduct such conferences at an international level.

Past ISEC Conferences

ISEC-01: "Creation of Systems for Future Technologies"

Honolulu, Hawaii, USA, January 24-27, 2001

ISEC-02: "System-based vision for strategic and creative design" Rome, Italy, September 23-26, 2003.

Theme of ISEC-03

"Collaboration and Harmony of Creative Systems"

Building on the themes of ISEC-01 and ISEC-02 that emphasized creative systems, ISEC-03 seeks for further innovation of these systems, with emphasis on collaboration and system integration. The harmony that these innovative systems exhibit in relation to the environment is important to address global issues in sustainable engineering. The role of information technology brings greater opportunities for innovation and renewal of engineering systems.

The mission of ISEC-03 is to encourage and assist collaboration of any and all kinds of structural, system, and construction engineering using information technology in an environmentally friendly manner.

Topics of Emphasis

The ISEC Scientific and Technical Committee has identified the following topics that require particular attention for the enhancement of knowledge:

- Constructability and the integration of structural design and construction processes and methods;
- Information technology, and information flow and transfer to facilitate the above integration;
- Education and training in promoting design and construction integration;
- Promoting an atmosphere conducive to creativity and

innovation for future technologies;

- Renewal engineering;
- Closer relationships between academia on the one hand and clients, design professionals and industry on the other;
- Life cycle engineering, repair, and maintenance
- Sustainability
- Cost-effective and cost-efficient buildings
- New materials

General Topics

Topics include but are not limited to -- all branches of structural, building, and concrete engineering; construction engineering and project management; contracting and claims; safety; quality control; housing; education and ethics. However, all papers must relate to the civil, architectural, and construction management disciplines.

Special Topics

These include, but are not limited to -- structural analysis, non-linear behavior of structures, reinforced concrete structures, steel structures, bridges, precast systems, earthquake engineering, geotechnical engineering, tunnel and underground structures, damage assessment; hazard and risk management, reliability analysis; design uncertainties and stochastic variability, optimal design; cost control, productivity improvement, process simulation, 4-D CADD, construction automation, organizational behavior; project finance, smart structures; knowledge management, concurrent engineering, industrialization; lifeline and infrastructure networks.

Shunan City, Yamaguchi Prefecture

Yamaguchi Prefecture sits at the western end of Honshu island in Japan. Shunan city is the third largest city in Yamaguchi prefecture.

It takes three hours by bullet train from Kansai international airport and one hour by train from Fukuoka international airport.



Conference Site and Hotels

The conference will be held on the beautiful campus of Tokuyama College of Technology. The conference organizers will arrange with nearby hotels for special accommodation for conference participants. Shunan offers excellent hotels and resorts with plenty of leisure activities, and has excellent transportation systems

Conference fee

	Before June 30, 2004	Before Dec 31, 2004	After Dec 31, 2004
Full registrant	JPY55000	JPY60000	JPY65000
Student	JPY34000	JPY35000	JPY36000
Accompanying Person	JPY29000	JPY30000	JPY31000

The program pays for all conference lunches, receptions, dinner, conference proceedings, technical sessions, coffee breaks, and technical tours.

Bank Transfer and Credit Card (VISA, JCB, MASTER, AMERICAN-EXPRESS(AMEX), DINERS CLUB INTERNATIONAL) are available.

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Web Site

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