

INVITATION

Dear Colleagues,

We cordially invite you to join us for the 2nd International Conference on Computational Design in Engineering (CODE2012), which will be held from November 13th to 16th, 2012 in Jeju, Korea.

Under the theme "Current and Future Directions in Engineering with Computers", the CODE2012 is the conference focused on the computational mechanics and BIM as well as IT disaster prevention. The CODE2012 will be an excellent learning experience on the field of 'Computational Design and Engineering' for all participants. The world renowned speakers will be invited to the CODE2012, and all professionals and experts over the world will get together to figure out international trends in research and industry on the relevant areas.

The CODE2012 is the second conference hosted by the COSEIK after the great success in the CODE2009. Join us to share and learn about the most recent advances in the related field and improve your social network in our ever-shrinking global community. The organizing committee is also planning unique and various social programs which all participants may enjoy fascinating Korean culture and the warm Korean spirit of friendship.

We are committed to ensuring that this conference will be a valuable and enjoyable event for everyone attending. All members of the CODE2012 Organizing Committee look forward to meeting you in Jeju, Korea.

Best regards,



Prof. Yi, Waon-Ho
Chairman
Organizing Committee
of CODE2012



Prof. Lee, Jong-Seh
President
Computational Structural Engineering
Institute of Korea

CALL FOR ABSTRACTS

Those who are interested in our topics are invited to submit an abstract (max. 400 words) online by May 31. Please check the "guidelines and steps for submitting abstracts" on our official website (www.code2012.org). The program committee will review all abstracts, and if accepted, the author will be asked to submit a paper. We will decide the presentation type (Oral or Poster) based on the author's application and program requirements.

Topics

The conference will focus on "Computational Mechanics" and "BIM" as well as "IT Disaster Prevention". Topics will include (but not limited to):

● Computational Mechanics

Computational Advances in Engineering and Mechanics

- Adaptive Methods
- Biomechanics
- Case Based Designs
- Computational Mechanics using Mobile Interface
- Computer Aided Design
- Computer Supported Collaborative Design
- Decision Support Systems
- Formfinding, Topology and Structural Morphology
- Fracture Mechanics
- Integrated Design Systems
- Lifetime Costs
- Model Verification and Validation
- Monitoring of Structures & Buildings
- Object Oriented Programming
- Real Time 3D Simulation
- Safety Analysis
- Structural Control
- Structural Engineering Including Steel, Bridge, Composite, Reinforced Concrete and Masonry Structures
- Structural Health Monitoring
- Structural Optimization and Sensitivity Analysis
- Uncertainty Models

● BIM

BIM Innovations in Design and Construction

- BIM and Education
- BIM at Schematic Design
- BIM Project Case Studies
- Computational Design using BIM
- Construction with BIM
- Design and Constructions Process Integration
- Knowledge Management in BIM
- Life Cycle Analysis and Management
- Software Development and Implementation
- Structural Engineering based on BIM

● IT Disaster Prevention

Advanced Technologies & Policies for Disaster Prevention Management

- Automatic Damage Estimation using RS Technologies
- Disaster Forecasting & Warning Systems
- Disaster Risks & Vulnerabilities Mapping
- Facing the Unexpected & Future Disasters
- Fortifying Community based Resilience
- Interdisciplinary Projects on Disaster Management
- Realtime Response with C4ISR Concept
- Special Topics for Vulnerabilities

Proceedings

The papers will be published in the conference proceedings, and the instruction and template for the paper will be available on our official website (www.code2012.org).

Journal Publication

Selected papers will be recommended for publication in special issues in one of the SCIE journals, "Structural Engineering and Mechanics", "Wind and Structures", "Computers and Concrete", or "Steel and Composite Structures", after reviewing the papers.

CALL FOR SESSION ORGANIZER

Organizing a session at the conference is encouraged to those who have the special expertise in the same area. A session is organized with more than 5 papers including invited and oral papers, and the successfully organized session will be provided with prescribed benefits. For more information, the prospective session organizer should inquire to the CODE2012 secretariat.

REGISTRATION

On-line registration and credit card payments will be available at www.code2012.org. The registration will be open in February, 2012.

Registration Fees

Category	Pre-Registration (Until Sep. 30)	Onsite Registration (After Oct. 1)
Regular	\$600	\$700
Student	\$300	\$350
Accompanying Person	\$150	\$200



COMMITTEE

Organizing Committee

President	Lee, Jong-Seh (Hanyang University)
Chairman	Yi, Waon-Ho (Kwangwoon University)
Program Committee Chair	Lee, Chang-Ho (Hankyong National University)
Promotion Committee Chair	Kim, Chee-Kyeong (Sunmoon University)
Financial Committee Chair	Lim, Yun-Mook (Yonsei University)
Event Committee Chair	Chun, Heoung-Jae (Yonsei University)
Planning Committee Chair	Kong, Jung-Sik (Korea University)

International Advisory Committee

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Lee, Li-Hyung (MIDAS IT, Korea)
Lee, Sung-Woo (Kookmin University, Korea)
Machacek, Josef (Czech Technical University, Czech Republic)
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Scanlon, Andrew (Penn State University, USA)
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Terada, Kenjiro (Tohoku University, Japan)
Wang, Michael Y. (Chinese University of Hong Kong, Hong Kong)
Yamaguchi, Eiki (Kyushu Institute of Technology, Japan)
Yang, Young-Soon (Seoul National University, Korea)
Yun, Chung-Bang (Korea Advanced Institute of Science and Technology, Korea)
Zhou, Min (Georgia Institute of Technology, USA)

VENUE

Jeju, Korea

"The Island of Gods" or simply Jeju Island is full of tourist attractions such as picturesque beaches, historical places, national parks, Buddhist temples, amusement parks, museums, shopping malls and many more interesting destinations. Jeju is known as the only place in the world with three UNESCO designations – Biosphere Reserve, UNESCO World Heritage Site and Global Geoparks.

Most participants visiting Jeju Island directly from other countries are allowed to stay without a visa. Jeju International Airport is served by direct flights from 9 major cities in East Asia region including Tokyo, Nagoya, Osaka, Fukuoka, Beijing, Shanghai, Shenyang, Taipei and Kaohsiung. If you arrive in Jeju Island via other airports in Korea, some restrictions may apply. You can find more information about visa at the CODE2012 website.

We welcome you to the wonderful Jeju. See you then!



Tour & Social Programs

Pre & Post, accompanying conference tours, and social programs will be arranged by experienced travel services. Detailed information will be made available on the website (www.code2012.org). Especially, we are organizing a technical tour to show the participant Korean issued structural building on the last day of the conference.

IMPORTANT DEADLINES

- Abstract Submission ▶ **May 31, 2012**
- Notice of Abstract Acceptance ▶ **Jun 30, 2012**
- Paper Submission ▶ **Aug 31, 2012**
- Pre-Registration ▶ **Sep 30, 2012**

All speakers must make a payment by September 30th, in order to have their accepted papers included in the proceedings and scheduled for presentation.

CODE2012 Secretariat

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2nd International Conference on

COMPUTATIONAL DESIGN IN ENGINEERING

Current and Future Directions in
Engineering with Computers

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Phoenix Island, Jeju, Korea
www.code2012.org