The TWIN Covilhã, Portugal International Conferences
26—28 May 2013

Venue University of Beira Interior, Engineering Faculty, 6200-001 Covilhã, Portugal

Organizers:

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<th>University of Beira Interior</th>
<th>University of Coimbra</th>
<th>CI Premier Pte Ltd</th>
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The 2nd International Conference on
CIVIL ENGINEERING
TOWARDS A BETTER ENVIRONMENT

Conference Co-Chairs
Professor Luis Ferreira Gomes,
University of Beira Interior, Portugal
Professor Isabel Pinto, University of Coimbra, Portugal

Introduction

Even if Civil Engineering plays a key role in environmental protection and management, some of its major creations are often blamed for causing serious environmental degradation. Is it possible to promote the development of the society by improving dignity and comfort of the people while taking care of the environment? This is the motto for the conference: how can Civil Engineering activities be simultaneously effective and environmentally friendly... what is currently being done in order to achieve that goal?

This conference is an excellent opportunity for all of those with environmental concerns, such as engineers, academics, construction equipment and materials manufacturers, suppliers and government officials, to present and exchange the experiences and concerns, new ideas, innovative methodology and future development on the different fields of interest. The conference follows the traditional model for conferences, combining technical sessions with plenary lectures given by renowned scientists.

Conference Manager:Ms Peggy,
CI-Premier Conference Organisation
(email: ci-p@cipremier.com)

The 5th International Conference on
THE CONCRETE FUTURE

Conference Co-Chairs
Professor Luis Bernardo,
University of Beira Interior, Portugal
Professor Sergio Lopes, University of Coimbra, Portugal

Introduction

For more than one century, concrete is playing an important role on the modern construction. Its versatile nature is a strong point when compared with other materials. The world is moving fast and new demands on energy efficiency and on the use of low carbon materials can change construction practices very rapidly in the near future. Is concrete prepared for the challenge? What kind of adaptations should be envisaged to maintain concrete competitive? The Concrete Future may raise many questions and assemblies of practitioners, academics and researchers are certainly appropriate forums to discuss such issues. The Conference on the Concrete Future will create a good opportunity for discussion.

The Concrete Future Conference Series originated from well known Conference on OUR WORLD IN CONCRETE AND STRUCTURES, which takes place every year in Singapore for more than 35 years. In the early 90s, it was deemed useful to initiate a similar conference series outside Singapore, entitled “The Concrete Future”. The first two conferences were held in Malaysia. In 2008 a third conference took place in Yantai, China and in 2009 the fourth conference was held in Coimbra. Covilhã is the setting for the fifth Conference. Normal presentations will be blended with keynotes lectures delivered by invited experts.
Support Organisation:
“The Concrete Sawing & Drilling Association, USA”

An issue of the Journal ‘Concrete Opening’ will be included in the Conference Kit. Selected relevant papers of the conference may be published in a future special issue”.

City of Covilhã

Located on the slopes of Serra da Estrela, facing east, Covilhã offers the visitor a beautiful view of its housing, a majestic amphitheater framed by mountains. Discover Covilhã is also discovering the history of textile industry in Portugal. The University of Beira Interior is currently implemented in former factory buildings of high historical value, cultural and architectural heritage, which have been converted into modern facilities for teaching and research. Respect for the past has marked the philosophy of the institution, which contributed significantly to the rehabilitation of the city and the region, through structures such as the Wool Museum, housed in the Royal Textile Factory, established by the Marquis de Pombal. Located in a mountain town, it has a snowy winter scene unique in Portugal where one can practice all kinds of winter sports, like snowboarding or skiing. The mountain resort of Penhas da Saúde lies at 1500 meters high and offers restaurants, hotel, youth hostel and touristic apartments as leisure and skiing facilities.

The Municipality of Covilhã has an area of over 550 km² and its population is estimated at 54,506 inhabitants, of whom 49,527 are voters. If we consider that the student population is around 6600 students, we can say that the university is one of the main economic, social and cultural drivers of the city, offering it several activities from the academic community throughout the whole year. UBI also contributes to attracting new investment to the region, contributing to its economic growth, encouraging trade and tourism. In parallel, it reverts the exodus of young people by reversing the flow of migration, thus ensuring a young qualified population prepared to meet all the challenges inherent to any society in any city anywhere in the world. http://www.cm-covilha.pt

CE13+CF13-CALL FOR PAPERS

<table>
<thead>
<tr>
<th>Invite submission of abstracts in any of the following themes (CE13)</th>
<th>Invite submission of abstracts in any of the following themes (CF13)</th>
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<tbody>
<tr>
<td>- Air and water quality</td>
<td>- Architectural concrete</td>
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<td>- Environmental education</td>
<td>- Behaviour of structural concrete</td>
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<td>- Energy</td>
<td>- Fibre reinforcement concrete</td>
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<td>- Environmentally friendly architecture</td>
<td>- Concrete bridges</td>
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<td>- Fluvial and coastal protection</td>
<td>- Design and analysis</td>
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<td>- Geohazards, Disaster Mitigation and Management</td>
<td>- Durability of concrete</td>
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<td>- Geosynthetics for Geoenvironmental Applications</td>
<td>- Educational issues</td>
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<td>- Reuse and recycling in construction</td>
<td>- Health monitoring</td>
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<td>- Risk management</td>
<td>- High performance concrete</td>
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<td>- Soil and water protection</td>
<td>- New trends in design and construction</td>
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<td>- Territorial and urban planning</td>
<td>- Precast and prestressed concrete structures</td>
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<td>- Vegetation in Civil Engineering</td>
<td>- “Inspection and diagnosis of structures”</td>
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<td>- Waste management</td>
<td>- Repair and Rehabilitation</td>
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<td>- Case Studies</td>
<td>- Self compacting concrete</td>
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<td>Special Thematic Session on any interesting topic shall be included.</td>
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Important Dates-IP:
Abstracts by: 02 December 2012 (Extended to 15 March with full text)
Abstract Acceptance by: 02 January 2013
Full text to be received by: 02 March 2013(at the latest 15 March)
Final notification of acceptance by: 02 April 2013
-date of conference: 26-28 May 2013
No formal form for submission is required, just email your abstracts of 250-300 words (with the paper title and keywords to: The Conference Secretariat, Mss Peggy Teo at ci-p@cipremier.com.

[Please note that it is part of the requirements of submission of abstract that the Author or one of his/her co-authors will present the paper (accepted by the Review Committee) at the conference; and that all papers to be included in the conference documentation must be registered with a text inclusion of SGD400/- per paper]

Er John S.Y. TAN, Conference Director ci-p@cipremier.com Tel: +65 67332922

Conference Committees

**CE13-International Scientific & Advisory Committee:**
- Victor Cavaleiro, UBI, Portugal, Chairman
- P.M. Ferreira Gomes, UBI, Portugal; co chair

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- Prof Sérgio Lopes, FCTUC, Coimbra, Portugal
- Prof Isabel Pinto, UC, Portugal
- Prof Teixeira Pinto, ISPT, Angola
- Prof Pedro Seco Pinto, LNEC, Portugal and ISSMGE President-(05-09). 
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- Prof Jan Holnicki-Szuc, Institute of Fundamental Technological Research, Poland

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- Pedro Almeida, UBI
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**Editors:**
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- Prof Luis Bernardo, UBI, Co-Chair

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- Dr V Bilek, ZPSV a.s., Czech Republix
- Prof Frank Dehn, MFPA Leipzig GmbH, Germany (Chairman fib Commission 8 Concrete & Convenor of fib TG 8.10)
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- Prof Marcin Gorski, Silesian University of Technology, Poland
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**Editors:**
- Castro Gomes, Sérgio Lopes, Luís Bernardo

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<th>University of Coimbra Department of Civil Engineering FCTUC—Polo II Rua Luís Reis Santos 3030-788 Coimbra, Portugal</th>
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<tr>
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<td>E-mail (CE13): <a href="mailto:isabelmp@dec.uc.pt">isabelmp@dec.uc.pt</a> E-mail (CF13):</td>
</tr>
<tr>
<td>University of Beira Interior Department of Civil Engineering and Architecture UBI-DECA</td>
<td>Calçada Fonte do Lameiro 6201-001 Covilhã, Portugal Tel. +351 275 329 722/26 Fax: +351 275 329 969</td>
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**Initial Conference programme (CE13 + CF13):**

26th May 2013 - in conference HQ hotel  
Early registration and welcome reception  
27th May 2013 - in University of Beira Interior  
Opening session, Keynote and Technical Sessions, refreshments and lunch  
Conference Dinner  
28th May 2013 - in University of Beira Interior  
Keynote and Technical Sessions, Closing session, refreshments and lunch  
29th May 2013 - Technical visit (Sponsored)  
Sabugal earth dam and cultural heritage (monuments in historic villages - Sortelha and Belmonte) with lunch

**Registration fees (CE13 + CF13):**

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<th>Registration fees (CE13 + CF13)</th>
<th>Fee Structure CECF13</th>
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<tr>
<td>Registration Before /May/2013</td>
<td>Registration After</td>
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<tr>
<td>Pre-conference cocktails</td>
<td>40 euros per pax</td>
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<tr>
<td>Conference dinner</td>
<td>60 euros per pax</td>
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<tr>
<td>Full registration fee</td>
<td>500 euros per pax</td>
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<tr>
<td>Subsidised fee for residents</td>
<td>400 euros per pax</td>
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<td>in Portugal (without conference dinner)</td>
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<tr>
<td>Student Fee (without conference dinner)</td>
<td>350 euros per pax</td>
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<tr>
<td>Subsidised student fee for Portuguese only (without conference dinner)</td>
<td>250 euros per pax</td>
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Cancellation Policy: *(only acceptable in writing to the Secretariat)*

One week before date of conference: full refund less 25% overhead / administration charges; no refund thereafter, however, a set of the conference documentation will be sent to you, or alternatively you may send a replacement (please advise name) at no extra cost.

**REGISTRATION FORM (CE13 OR CF13)**

Name (pl print): ________________________________
Affiliation: ________________________________
Address: ______________________________________
______________________________________________________
Country: __________________
Tel: __________________ Fax: __________________
E-Mail: __________________

(or clip your business/name card here)

How to reach your conference city, Covilha

There is no airport in Covilha. To reach Covilha, please board a bus from Lisbon (rather than to Porto). There are regular buses and trains services although it is strongly advice to take a bus.

**UPDATE:**

**CE13:KeyNote Speakers:**

- R. M. Kowalczyk (University of Ecology and Management in Warsaw, Poland): *Tall Buildings and Sustainability*
- Prof Jan Holnicki-Szulc, Institute of Fundamental Technological Research, Poland, and Grzegorz Knor “Identification, modeling and control of temperature fields in concrete structures”
- Amândio Teixeira Pinto (ISPT, Angola): *Soft soil stabilization with construction and demolition waste*
- Andrea Segalini (Università Parma, Italy):

**CF13:**

**Keynote Speakers:**

- R. Kowalczyk (University of Ecology and Management, Warsaw, Poland) – Provisional title: *Tall Buildings and Sustainability*
- Prof Nina Avramidou, University of Florence, Italy  
- Prof YongBo Shao, Yantai University, China  
  *Investigation on Static Behaviour of Composite I-girder with Corrugated Web and Concrete Filled Tubular Flange*
- Prof Marcin Gorski, Silesian University of Technology, Poland  
  Title: “Smart Structures”.
- Prof. Liaqat Ali Qureshi, University of Engineering &
<table>
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<th>Topic</th>
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| Defensive structures for debris flow protection                      | - José Gomes Mendes (University of Minho, Portugal): *Ecosystems for the competitiveness of cities*
|                                                                     | - Luís Ribeiro (IST, Portugal): *Groundwater resources and ecosystems*
|                                                                     | - Luiz Vallejo (Complutense University of Madrid, Spain): *Environments geotechnique*
|                                                                     | - Pedro Seco Pinto (LNEC, Portugal): *Soil Liquefaction. Assessment and Remediation*
|                                                                     | - Mr Mark Sarkisian, Skidmore, Owings & Merrill LLP SOM, USA *Using Civil Engineering to Control Environmental Change*
| Technology, Pakistan                                                 |                                              |
| Special Sessions:                                                   |                                              |
| Topic 1: "Self Compacting Concrete"                                 | Organizer: Dr Peter Billberg, Swedish Cement and Concrete Research Institute, Sweden
| Topic 2: "calcined clays as supplementary cementing materials"       | Organizer: Dr Harald Justnes, SINTEF, Norway
| Topic 3: "Inspection, diagnosis and rehabilitation of buildings"     | Organizer: Prof João Carlos Gonçalves Lanzinha, UBI, Portugal

Issued by Er John S Y Tan, Conference Director
CI-Premier Pte Ltd, Tel 065-6733-2922 or email cl-p@cipremier.com