

3rd International Conference on Best Practices for Concrete Pavements

“Challenges for the future of sustainable concrete pavement construction”

October 28 – 30, 2015

The **3rd International Conference on Best Practices for Concrete Pavements** had become one of the most important international events dedicated to the discussion and news technologies exchange on the matter of Concrete Pavements and organized by University of São Paulo (USP) and the Brazilian Concrete Institute (IBRACON), as well as supported by other international institutions and renowned academia members.

CONFERENCE TOPICS

Successful results and significant number of South American, North American and European representatives attended the last editions of such Conference at Recife (2007) and Florianopolis (2011). This year the conference will focus on challenges for the future of sustainable concrete pavement construction with particular interest given to:

- Concrete pavement recycling techniques;
- Concrete pavement durability;
- Pervious concrete pavements: materials, drainage characteristics and structural issues;
- CO₂ capture techniques on concrete mixtures for urban paving;
- Reflective pavements and impacts on urban lightening energy consumption;
- Increasing urban albedos;
- Reduction of vehicular gas emissions in concrete pavements;
- Noise reduction with open-graded and texturized concrete technique;
- Controversial aspects and issues on concrete pavements using steel and synthetic fibers;
- Applications of sustainable concrete pavements to heavy floors as industrial, harbor and airports.

GUEST SPEAKERS

Confirmed invited speakers for this year will be:

- Prof. Dr. Anne Beeldens (Belgium Road Research Centre and KULeuven);
- Dr. David Brill (Federal Aviation Administration);
- Prof. Dr. Franz-Josef Ulm (Massachusetts Institute of Technology);

- Prof. Dr. Lambert Houben (Delft University of Technology);
- Prof. Dr. Liv Haselbach (Washington State University);
- Luc Rens (FEBELCEM and EUPAVE).

DUE DATES

Abstract submission due by **May 15th, 2015**

Approval of abstracts: **May 30th, 2015**

Full papers due for review: **July 15th, 2015**

Papers final acceptance: **August 1st, 2015**

The e-mail for abstracts and papers submissions is: **concpavbonito2015@gmail.com**

Papers written in **English** and **Spanish** will be accepted.

PRELIMINARY PROGRAM

OCTOBER 28, 2015	OCTOBER 29, 2015	OCTOBER 30, 2015
Room Terena 2	Room Terena 2	Room Terena 2
14:00 - 15:00	14:00 - 15:00	14:00 - 15:00
Prof. Dr. Anne Beeldens (Belgium Road Research Centre and KULeuven) CO2 capture with special concrete mixtures for paving	Prof. Dr. Liv Haselbach (Washington State University) Pervious Concrete Pavements	Prof. Dr. Lambert Houben (Delft University of Technology) Continuously Reinforced Concrete Pavements - The North Europe Past and Present Experience and Challenges
15:00 - 16:00	15:00 - 16:00	15:00 - 16:00
Luc Rens (FEBELCEM and EUPAVE) Reducing noise in concrete pavements with special surface treatments technique	Prof. Dr. Franz-Josef Ulm (Massachusetts Institute of Technology) Infrastructure Performance through Carbon Management	Technical Session V
16:00 - 16:30	16:00 - 16:30	16:00 - 16:30
COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
16:30 - 18:30	16:30 - 18:30	16:30 - 18:30
Technical Session I	Technical Session III	Dr. David Brill (Federal Aviation Administration) Short-course on the design and construction of airport concrete pavements in face of new FAA advisory circulars
18:30 - 19:00	18:30 - 19:00	18:30 - 19:00
COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
19:00 - 21:00	19:00 - 21:00	19:00 - 20:15
Technical Session II	Technical Session IV	Dr. David Brill (Federal Aviation Administration) Short-course on the design and construction of airport concrete pavements in face of new FAA advisory circulars

The official language for the conference will be English. Depending on the number of delegates from South America the translation from and into Spanish will be provided.

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ORGANIZATION

University of Sao Paulo - USP
Brazilian Concrete Institute – IBRACON

PARTNERSHIP

Federal Aviation Administration – FAA – EUA
European Concrete Paving Association – EUPAVE
Municipality of São Paulo - Secretariat of Urban Infrastructure and Construction
São Paulo State Transportation Regulatory Agency - ARTESP

ABOUT THE ORGANIZERS:

IBRACON, the **Brazilian Concrete Institute** is a professional-technical-scientific, non-profit organization, for the preservation and appreciation of Civil Engineering. Among its scope IBRACON has the goal to supply better and updated knowledge, to engineering professionals and the chain of concrete and civil construction, concerning materials, technologies, design, management, control, architecture, structures aspects by means of courses, technical-scientific events and publications, labor certification, appreciation of scientific and technological research, including its broad disclosure. The current Officers and Board of Directors is:

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USP, the **University of São Paulo**, is a public university of the State of São Paulo, the greatest in Brazil, devoted to teaching and research. Founded in 1934 it is one of the leading universities in Brazil. Its infrastructure comprises six campi within the state and it is a comprehensive university. *The Academic Ranking of World Universities* includes the USP at the position 147th among the best 500 universities around the world. The *Webometrics Ranking of World Universities 2014* ranks USP at the position 29th. The same ranking for the Latin America universities classifies USP as the leading one, as well as the leading of the BRICS. The *Times of Higher Education* ranking includes USP among the 250 best universities in the world; among

17 emerging countries USP is classified as the 11th. The QS World University Ranking 2013 pointed out USP as the unique Brazilian Institution among the best 200 in the world. **Polytechnic School** is one of the three engineering schools of USP and the oldest, founded in 1893. Since years 1980 the **Transportation Engineering Department** (PTR) has dedicated important efforts to the development of research on concrete pavements with special concerns to Brazilian environmental conditions; the first graduate teaching lessons for concrete pavements in Brazil were conducted by the PTR; in 2007 it was held the 1st International Workshop on Best Practices for Concrete Pavements (Recife) followed by the 2nd International Conference on Best Practices for Concrete Pavements (Florianopolis, 2011), technically and scientifically organized by PTR and sheltered by IBRACON. Current **Polytechnic School** faculties involved on the conference organization are:

Dean: Prof. José Roberto Castilho Piqueira

Vice-Dean: Prof. Liedi Legi Bariani Bernucci

Head of Transportation Engineering Department: Prof. José Tadeu Balbo