



3rd International Symposium
TREATMENT AND RECYCLING OF
MATERIALS
FOR TRANSPORT INFRASTRUCTURE
(using lime, cement and hydraulic road binders)
November 11-13th 2009
ANTIGUA (Guatemala)

CALL FOR PAPERS

The second International Symposium on «Treatment and Recycling of Materials for Transport Infrastructure (using lime, cement and hydraulic road binders)» (TREM TI 2005) took place in Paris, October, 24th - 26th, 2005. The event, as well as the first one held in Salamanca (Spain) in 2001, was remarkably successful. 124 papers were presented to more than 450 attendees coming from 39 different countries all around the World. This confirmed the widespread interest and need for these techniques aimed to improve the sustainability of transportation infrastructure.

To maintain a favorable climate for these topics, it has been decided to continue these events. We are pleased to inform that **the third International Symposium on « Treatment and Recycling of Materials for Transport Infrastructures » (TREM TI 2009), will take place in Antigua (Guatemala), November, 11th - 13th, 2009.** It will be organized by the Institute of Cement and Concrete of Guatemala (ICCG) with the support of the Interamerican Federation of Cement (FICEM-APCAC), the World Road Association (PIARC) and the lime industry of Guatemala.

Symposium Secretariat:
Instituto del Cemento y del Concreto de Guatemala
Diagonal 6 10-65, zona 10, Las Margaritas Torre I, oficina 1101
Guatemala City (Guatemala)
Phone: (502) 2413 3565
Fax: (502) 2413 3560
Email: lalvarez@iccg.org.gt



For the next Symposium, two types of papers may be submitted:

1. Case studies, dealing with the concerned fields of application, namely:

- roads and motorways
- airports
- railways
- harbours and other maritime and river infrastructures
- urban spaces
- industrial and commercial platforms
- etc.

For this type of papers, emphasis should be placed on the specific details peculiar to each field of application or to each structure: embankments, capping layers, subbases and bases for new pavements, in situ recycling of existing pavements, trench filling ...

2. Papers dealing with more specific topics:

- Studies
 - identification of materials, considering their heterogeneity
 - use of waste materials and by-products
 - evaluation of existing pavements for recycling
 - mix design
 - effects of climate-related factors (humidity, dryness, frost)
 - influence of detrimental elements (organic matter...)
 - properties of mixes (mechanical strength, shrinkage, modulus of elasticity, fatigue ...)
 - structural properties of treated layers (deflections ...)
 - accelerated ageing tests
- Specific placement methods and precautions
 - modification of water content
 - cracking: causes (delamination, shrinkage...) and how to combat them
 - bonding of layers
 - works in urban areas
 - quality control
- Advances in machinery and construction methods
 - innovations in equipment
 - binder application
 - mixing in situ or in plant
 - precracking techniques
 - compaction

Symposium Secretariat:
Instituto del Cemento y del Concreto de Guatemala
Diagonal 6 10-65, zona 10, Las Margaritas Torre I, oficina 1101
Guatemala City (Guatemala)
Phone: (502) 2413 3565
Fax: (502) 2413 3560
Email: lalvarez@iccg.org.gt

- Subjects of general interest

- binders
- treatment of soils containing sulphates and sulphures
- combined treatments (lime + cement or hydraulic road binder, cement + bituminous emulsion or foamed bitumen...)
- design and maintenance of structures with treated materials
- stability and durability of structures with treated materials
- environmental aspects
- contribution of treatment and recycling to sustainability
- assessment of short-term and life-cycle economics
- cement or lime-based stabilization treatments for remediation of contaminated industrial properties (brownfields)
- guidelines and codes (standards, specifications, pavement design methods and catalogs...)
- barriers and incentives to treatment and recycling
- key parameters for the success of these techniques

Authors are encouraged to present papers dealing with innovations or which pave the way for new research areas.

Submission of abstracts and papers

Experts are requested to submit papers for the Symposium. An English abstract not exceeding 300 words should be sent to the Symposium Secretariat before 1st March 2009. Abstracts must be prepared using Word, and must not include any visuals. They must be sent as attachments to an email addressed to lalvarez@iccg.org.gt.

Authors of accepted papers will be notified not later than 15 April 2009. The full text must be received by the Symposium Secretariat before 30 June 2009, together with the inscription of one of the authors. Papers must be written in English.

All accepted papers shall be included in the Proceedings of the Symposium if received in time. The Scientific Committee shall decide which papers will be orally presented in the working sessions of the Symposium.

More information about the Symposium is available on www.iccg.org.gt.

Symposium Secretariat:
Instituto del Cemento y del Concreto de Guatemala
Diagonal 6 10-65, zona 10, Las Margaritas Torre I, oficina 1101
Guatemala City (Guatemala)
Phone: (502) 2413 3565
Fax: (502) 2413 3560
Email: lalvarez@iccg.org.gt