

V Simpósio de Infraestrutura Metroviária, Ferroviária e Rodoviária 5th Symposium on Subway, Railway and Highway Infrastructure (together with 61st Brazilian Congress on Concrete)

Fortaleza – Ceará – Brazil
October 15 - 18, 2019

Organized by:



Institutional Support:



1 – INTRODUCTION

Due to the increase of demand for the expansion and rehabilitation of the infrastructure of transportation in Brazil (bridges, subway, railway and highway), the 5th Symposium on Subway, Railway and Highway Infrastructure will take place in the city of Fortaleza together with the 61th Brazilian Congress on Concrete, organized by the IABMAS Brazilian Group (International Association for Bridge Maintenance and Safety) and the Brazilian Concrete Institute - IBRACON.

IBRACON is promoting the 5th Symposium on Subway, Railway and Highway Infrastructure in order to discuss the improvements and progresses that have been made in Brazil and in the rest of world in this particular area. There is a strong motivation for large investments in infrastructure, especially in rehabilitation of existing structures, as the social and economic impact of the partial collapse of the viaduct in Marginal Pinheiros, São Paulo, have demonstrated. The gap in the infrastructure demands large investments in the near future. Today, it is about 4% of GDP, with a clear necessity to grow in the future.

With this Symposium, IBRACON is trying to disseminate new design techniques, analyses and construction methods leading to safer and modern structures and to improvements in the existing infrastructure.

We acknowledge and appreciate the support of the Organizing Committee and the Technical Scientific Committee of 61st Brazilian Congress on Concrete.

Túlio Nogueira Bittencourt

2 – TOPICS

The topics to be covered are:

1. Bridges
2. Underground Stations and Tunnels
3. Pavements
4. Structural Life Cycle
5. Safety and Serviceability,
6. Structural Health Monitoring
7. NDT – Non Destructive Testing,
8. Weigh in Motion Systems.
9. Retrofit and Reinforcement Systems (CFRP, High Performance Concretes)
10. Monorail Structural Systems

3 – IMPORTANT DATES

Abstracts	10/mar/2019
Abstracts Approval	24/mar/2019
Papers	01/jun/2019
Papers Approval	15/jul/2019
Papers Revision Submission	26/jul/2018
Papers Final Approval	09/ago/2019
Event	15 a 18/10/2019

4 – KEYNOTES SPEAKERS

José António Campos e Matos - Universidade do Minho - Portugal

Branko Glisic - Princeton University - Estados Unidos.

5 – ORGANIZATION

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POLI – USP

Juliana Ferreira Fernandes
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Massao Futai

Mounir K. El Debs

Roberto Daledone Machado

Rodolfo Montoya

Romilde Oliveira

Rui Calçada

Valério Almeida

Wayne Assis

6 – PROGRAM

To be updated soon

7 – Institutional IBRACON

IBRACON, the Brazilian Concrete Institute is an international techno-scientific organization for the defense and appreciation of engineering. IBRACON aims to provide more knowledge in the field of concrete through courses, events, publications, certification, technological and scientific meetings, incentives for research and scientific and technological research and its dissemination to all the professionals and actors in the concrete industry and construction in the areas of materials technology, design, management, control, architecture, structures and buildings.

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