3rd ICTG 2016

04-07 September 2016, Guimarães, Portugal

University of Minho
School of Engineering

SIMSG ISSMGE

GEO-INSTITUTE TRB RUTGERS

Workshop 1: Geosynthetics in Transportation Geotechnics

Presentations e-Book

4th September 2016 | School of Engineering | University of Minho | Guimarães | Portugal

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Organizing Committee

Fumio Tatsuoka | Tokyo University of Science, Japan
Jorge Zornberg | Texas University at Austin, USA
José Luís Machado do Vale | IGS, Portugal
José Neves | IST, University of Lisbon, Portugal

Organized by

University of Minho (UM)
Portuguese Geotechnical Society (SPG)
Portuguese Chapter of the International Geosynthetic Society (IGS)
International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)

Venue

University of Minho, School of Engineering, Guimarães, Portugal

Website

http://civil.uminho.pt/3rd-ICTG2016/WorkshopsThemes.php

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SESSION **1.A**

Chair | **Fumio Tatsuoka**

1 | Research and Construction of Geosynthetic-Reinforced Soil Integral Bridges

Keynote speaker | Fumio Tatsuoka

2 | The First GRS Integral Bridge with FHR Facing in Europe – Experiences from Design and Construction

Speaker | Stanislav Lenart

3 | Modelling Geogrid-reinforced Railway Ballast Using the Discrete Element Method

Speaker | Cholachat Rujikiatkamjorn

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SESSION **1.B**

Chair | **Fumio Tatsuoka**

4 | Performance Improvement of Rail Track Structure using Artificial Inclusions - Experimental and Field Studies

Speaker | Sinniah K. Navaratnarajah

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5 | Basal Reinforced Piled Embankments

Speaker | Suzanne J.M. van Eekelen

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SESSION **2.A**

Chair | **Jorge Zornberg**

6 | Geosynthetics with Enhanced Lateral Drainage Capabilities in Roadway Systems

Keynote speaker | Jorge Zornberg

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7 | Effect of Geogrid on Railroad Ballast Particle Movement

Speaker | Hai Huang

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8 | Geosynthetic Subgrade Stabilization – Field Testing and Design Method Calibration

Speaker | Eli Cuelho

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SESSION **2.B**

Chair | **Jorge Zornberg**

9 | Contact Pressure Distribution on Weak Subgrades due to Repeated Traffic on Geocell Reinforced Base Layers

Speaker | Jorge Zornberg

10 | The Use of Geosynthetics in Water Conveyance Structures - The Panama Canal Expansion Project, Third Set of Locks Water Saving Basins

Speaker | José Luís Machado do Vale

11 | The Use of Geosynthetics in the Construction and Rehabilitation of Transportation Infrastructures in Portugal

Speaker | José Neves