



CONFERENCE

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San Francisco, CA



Thursday, June 4, 2015 at 11:30am

FEATURED SPEAKER

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**DESIGN AND QUALITY CONTROL OF SOIL MIX WALLS FOR
EARTH AND WATER RETAINING STRUCTURES**

In recent years, the Deep Mixing Method has increasingly been applied for the construction of earth and water retaining structures. From practice, it has been experienced that there is a real need to develop execution and design rules adapted to the function of the soil mix wall (retaining wall, water barrier, foundation solution or a combination) including the temporary or permanent character of the application. Based on the results of the BBRI Soil Mix project (2009-2013), a design approach has been developed in collaboration with the SBRCURnet. The present paper briefly discusses the principles of this design approach which takes into account the function of the soil mix wall and the characteristics of the soil mix material. The interaction between the soil mix material and the steel reinforcement can be considered in the calculations depending on the function of the soil mix wall. Design and quality control requirements are given in function of the application and take the lifetime of the structure into account. Durability aspects of the soil mix material are therefore considered in the present design approach.

For more information, contact Nicolas Denies by email at nde@bbri.be.

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