



CONFÉRENCE PLÉNIÈRE

Pr. António GOMES CORREIA

Professeur à l'Université de Minho (Portugal)

Founder of the conference series on Transportation Geotechnics and organised the 3rd ICTG in Guimarães in 2016.

President of the organising committee of the 3rd International Conference on Information Technology in Geo-Engineering (ICITG 2019).

Founding editors for the international journals "<https://www.journals.elsevier.com/transportation-geotechnics>" Transportation Geotechnics (Q1 in SCOPUS, IF (2020, JCR)= 3.293), and "<https://www.journals.elsevier.com/transportation-engineering>" Transportation Engineering (from January 2020), both published by Elsevier.

Editor of the Journal «Geotecnia» (SPG (Portugal), ABMS (Brazil), SEMSIG (Spain)).

Guest Editors for the SI «Smart and Innovative Building Materials for Civil and Military Applications» of Materials (ISSN 1996-1944).

Founding members of the International Intelligent Construction Technologies Group (IICTG) and Vice-President from 2016. He is elected member of the Board of Directors of the Université Gustave Eiffel (2020-2025) and since 2020 core advisory member of the Transport Research Centre of the University of Technology Sydney, as well as since 2021 a scientific advisory board member of SPARC (Smart Pavements Australia Research Collaboration).

He has over 400 technical papers published on these subjects.



agc@civil.uminho.pt

UNE CLASSIFICATION GEOMECANIQUE POUR LE CLASSEMENT DES PERFORMANCES DES GEOMATERIAUX DE FONDATIONS DE VOIES FERREES

RÉSUMÉ

Résumé : Une classification géomécanique des géomatériaux de fondations ferroviaires a été proposée par l'auteur en couplant la rigidité (module résilient) et le comportement de déformation permanente évalués au moyen d'essais de chargement triaxiaux à chargements répétés(1). Dans cette communication, l'influence de l'état non saturé de ces géomatériaux sera discutée et comment il peut être pris en compte dans cette classification. Ceci est une tentative d'améliorer l'évaluation et la modélisation des fondations de voies ferrées.

(1) Gomes Correia, A., Ramos, A. A geomechanics classification for the rating of railroad subgrade performance. Rail. Eng. Science (2021). <https://doi.org/10.1007/s40534-021-00260-z>