Corso di Dottorato in Ingegneria dei Sistemi Civili

Coordinatore del Dottorato: prof. ing. Andrea Papola

Ciclo di seminari: **Ingegneria geotecnica per la progettazione e la gestione delle infrastrutture**

seminar no.1
November 8th, 2022
12:00
Aula Arrigo Croce – ed. C8 – DICEA

Response of geomaterials to cyclic loading

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Subhadeep Banerjee is currently serving as Professor of the Department of Civil Engineering at Indian Institute of Technology, Madras, India. He received his PhD in Civil Engineering from National University of Singapore in 2010. His research interests include seismic soil-foundation interactions, cyclic behaviour of geomaterials and finite element analysis of complex dynamic problems. Besides, he is also an expert in constitutive modelling of soils special emphasis to the transient dynamic behaviour. At IIT Madras, he leads three research groups to study the following attributes, (i) Cyclic characterization of various types of natural soils, improved ground, landfills, (ii) Development of constitutive models of soils emphasizing on their performance under seismic loadings, and (iii) Application of fundamentals of dynamics to various complex soil-structure problems such as: tunneling, base isolation techniques, plate anchors, retaining walls.