Institute of Geonics, Czech Academy of Sciences

Department of applied mathematics and computer science & IT4Innovations

Studentská 1768, Ostrava-Poruba

INVITATION TO THE LECTURE

JUNE 20, 2019   12:30   ROOM 213

EFFICIENT AND RELIABLE COMPUTATIONAL TECHNIQUES FOR LIMIT ANALYSIS AND INCREMENTAL METHODS IN GEOTECHNICAL STABILITY

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The presentation concerns the solution of the project *"Efficient and reliable computational techniques for limit analysis and incremental methods in geotechnical stability"* funded by the Czech Science Foundation. In the first part, we give an introduction to the limit analysis method. In the second part, we recall some of our recent scientific results in this field, including computable majorants of the limit load and the indirect method of incremental limit analysis. The third part of the talk will be devoted to the description of selected tasks planned to be solved within the project.