

**THE RESEARCH CENTRE  
FOR  
GEOTECHNICS, FOUNDATIONS AND MODERN  
TRANSPORTATION ENGINEERING  
INFRASTRUCTURE  
« Dimitrie ATANASIU »  
CCGEOFIMIT  
(Research Center Type C/ Certificate CNC SIS No. 84/2005)**



### MISSION STATEMENT

The primary mission of the Center is to conceive develop and implement advanced modern technologies and/or computer simulation for building longer lasting airfield pavements and other infrastructures and intermodal transport facilities (roads, railways, viaducts and bridges, etc) , including monitoring and preserving the existing national transportation infrastructure. The center will conduct research to find reliable and cost-effective solutions to the stated mission which has a vital importance for the development of the national economy. The center will accomplish the mission primarily by conducting research on projects of national



*Title of the paper. Do not write more than one line. Shorten it, if necessary*

significance in the areas of transportation infrastructure using advanced accelerated road pavement testing facility (ALT) , parallel with computer simulation projects focused on building reliable and longer lasting airfields, highways and intermodal facilities. Other projects will develop innovative applications for long lasting, durable road and airfield pavements, and remote sensing technologies for extending the life and for preserving the health of the nation's transportation infrastructure assets Also, through its Virtual Consulting Group on SUPERPAVE and Long Lasting Pavements ( website : <http://www.tuiasi.ro/~ccgfimit#> ) the Center will be able to provide , at national and regional levels ( especially for the Central and South-East Regions of Europe), the necessary expertise in the field of assimilation and implementation of the modern technologies for the field and laboratory assessment of asphalt binders and mixes , based on performance criteria and also for the conception and structural design of long lasting- durable road pavements

### **RESEARCH AREAS:**

Accelerated Road Pavement Testing, Soil and Material Advanced Testing and evaluation, Soil Mechanics and prevention of land slides, Nondestructive Evaluation and Dynamic Analysis of Bridges , Pavement and Bridge Management Systems, Mechanistic Pavement Analysis and Design, High Performance Pavement Materials ( Superpave) , Infrastructure Asset Management, Remote Sensing Applications in Transportation, Road Safety and Security Studies, Intelligent Transportation Systems, Transportation Planning, Highway Safety and computer /digital Crash Simulation, Advanced Finite Element Modeling and Simulation of Transportation Structures.

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