

## **LANDING RESPONSE TO SEISMIC LOADING**

**E. L. LEKKAS**

*University of Athens, Dept. of Geology, Panepistimioupoli, 15784 Athens, Greece*

### **ABSTRACT**

Despite the progress accomplished on safe disposal of waste, there still remains an important parameter that has not been adequately investigated; it is the behavior of landfills to seismic loading. This may be due to the fact that so far researchers lack sufficient data to work on. Indeed, destruction of landfills may have consequences, as any potential leak of pollutants in the environment is irreversible. The target is (i) to determine and evaluate the extent of various types of landfill failure, (ii) to present the necessary design stages for the proper construction of an earthquake-proof landfill, and (iii) to propose certain security standards. All these will contribute to the reduction or avoidance of destruction to a public work of high environmental risk.