Advances in geotechnical characterization of soil fracturing in Mexico City basin

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Abstract Soil fracturing in the lacustrine area of the Basin of Mexico has become a common occurrence that causes alarm among the population and ends up causing significant damage to buildings and public services. For that reason, the Geocomputing Laboratory with the participation of the Seismological Engineering Group of Instituto de Ingeniería, Universidad Nacional Autónoma de México (II, UNAM) has, in recent years, undertaken a systematic study of the phenomenon focused on descriptive aspects as well as on theoretical interpretation.

Key words fracturing; soil; earthquakes; geotechnical characterization; Mexico City