

## عنوان مقاله:

Application of Technical Textile in Structural Health Monitoring

## محل انتشار:

سومین کنفرانس ملی زلزله و سازه (سال: 1391)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

Fiber-optic sensors have been established as a new and innovative measurement technology in different fields, such as civil engineering. The integration of Polymer-Optical-Fiber as a sensor into geotextiles for monitoring the soil displacement is very attractive since POF can be used for distributed strain measurement of strain values more than 40%. Special focus is led on the integration of POF sensors into technical textiles aimed for earthwork structures. Smart textiles provide enforcement capabilities and also detect movement of soil and locate its position. The advances in distributed POF strain sensor technology are concluded with respect to application in Structural-Health-Monitoring systems

## کلمات کلیدی:

(Technical Textile, Structural Health Monitoring (SHM), Polymer Optical Fiber (PO F

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/184528>

