

# Electromagnetic radiation (EMR) from fractured materials - multiscale phenomenon

**Monday, 06/05/2019 Time: 13:00 Room: ZB001 / Building Z, Campus 2**

## **Content**

1. Electromagnetic radiation vs acoustic emission
2. Features of EMR from fractured materials and the mechanism of its excitation
3. The results of EMR investigations under quasi-static and dynamic loading – it is indeed invariant to loading mode
4. EMR in tunnels and mining openings
5. Perspective of EMR (not seismic radiation) utilization for earthquake forecast?

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- 2006-2017 Geotechnical Dept - Chief of Geophys. Dept, Isotop Ltd (engineering soil and rock mechanics, applied geophysics), Israel
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