

M e g h í v ó

**Tisztelettel hívunk minden érdeklődőt a Litoszféra Fluidum
Kutató Laboratórium (LRG) online szeminárium
sorozatának keretében**

**Szoldán Zsolt, a Nemzeti Szakértői és Kutató Központ
Fizikai és Kémiai Szakértői Intézetének igazgatójának
előadására:**

**„Every contact leaves a trace” – The beauty of forensic
sciences**

Helyszín: Zoom (online)

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Minden érdeklődőt szeretettel várunk!

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„Every contact leaves a trace” – The beauty of forensic sciences

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The theory formulated by E. Locard in the early 1900s states that every criminal leaves a trace of himself at the scene of the crime, and every criminal takes some evidence away from the scene of the crime. These traces are pieces of different types of material mostly in micro quantity. The fingerprint or modern DNA analysis tell us who was at crime scene, but nothing about what happened there, and how. The trace evidence analysis can help to puzzle out the story of the crime. In the Hungarian Institute for Forensic Sciences physicists, chemists, geologists and botanists work on the solution of criminal offences. Our field is the most diverse branch of forensic sciences, a wide variety of materials are within our competence such as: paints, glasses, fibers, hairs, soils, gunshot residues, pollens and so on. There are several classic, modern and self-developed analytical methods available for identifying traces origin: different optical microscopy techniques, SEM-EDS, IR and Raman spectroscopy, ICP-MS, XRD and others. The presentation demonstrates some chapters in trace evidence analysis focusing a little bit on why geologists are one of the best forensic scientist candidates.