



Ben-Gurion University of the Negev
Blaustein Institutes for Desert Research
The Swiss Institute for Dryland Environmental and Energy Research
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On-site chemical and biological sensing: challenges in sampling, sensor design, and data analysis

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Abstract:

Performing analyses of chemical or biological specimens on site, in harsh environments or under varying conditions, introduces challenges that are not always encountered in analytical laboratories. In this talk, I will describe some of these challenges, from sample preparation and introduction, to sensor features and data analysis oriented to detection and identification systems. Some projects will be used to demonstrate these challenges, from various fields including security, forensics and medical diagnostics.

Date & Location:

Monday, March 9, 2021, 11:00