



LUND
UNIVERSITY

Department of Engineering Geology
Avdelningen för Teknisk Geologi

Seminar on Applied Geophysics

Date: 26th of February 2020

Venue: Marie-Curie meeting room, Chemical centrum/ Kemicentrum, Naturvetarvägen 14, Lund

The department of **Engineering Geology** welcomes all who is interested to an open seminar on applied geophysics. For the occasion two distinguished international researchers have been invited:

Prof./Dean **Estella Atekwana** from University of Delaware, College of Earth, Ocean and Environment

Prof. **Valentina Socco** from Politecnico di Torino (Technical University of Turin), Applied Geophysics.

Both ladies have received the SEG outstanding educator award (Prof. Atekwana in 2016 and Prof. Socco in 2019) and SEG honourable mentions for best paper in Geophysics.

They will present their recent work here at Lund University together with short presentations from LU and external researchers on related topics.

The seminar takes place at LTH and includes lunch. The maximum number of participants is 30.

Please inform us if you are coming full day or only to the morning or afternoon session and also if you intend to stay for lunch, no later than **14th of February**. Please let us also know about any special needs regarding the lunch!

Preliminary schedule

9:45 - 10:00	Get together. If you don't know the lecture hall, meeting at 9:45 at the department of Engineering Geology for a common walk to the chemical centrum
10:00 - 10:15	Welcome & Introduction
10:15 - 11:15	Prof. V. Socco: Seismic methods for engineering and mining: toward real time high resolution subsurface characterization
11:15 - 11:45	Roger Wisén/Torleif Dahlin (LU): Integrated site investigation – engineering geophysics in infrastructure projects
11:45 - 12:00	Mats Svensson (Tyréns): Communication of geophysics in underground infrastructure projects
12:00-12:15	Discussion
12:15 - 13:15	Lunch (at the venue)
13:15 - 14:15	Prof. E. Atekwana: Biogeophysics: Imaging Earth's Subsurface Biosphere – The Next Frontier (presentation and discussion)
14:15 - 14:45	T. Martin et al (LU): Induced Polarisation (IP) Laboratory Measurements on Escherichia Coli (E. Coli)-Sand Mixtures
14:45 - 15:15	S. Åkesson, A. Nivorlis & N. Höglund (LU): Geophysics for monitoring biological remediation processes at contaminated sites – the MIRACHL project
15:15 - 15:30	Conclusion & Summary

Welcome!

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