

Under the aegis of ParisTech, I am pleased to announce the online scientific workshop on "Geosciences" on **Wednesday 26th May 2021** between **UMaT** and **Research Department of MINES-ParisTech**.



**UMaT – MAIN CAMPUS IN TARKWA**

## Earth Sciences and Environment

○ Research and training at MINES ParisTech

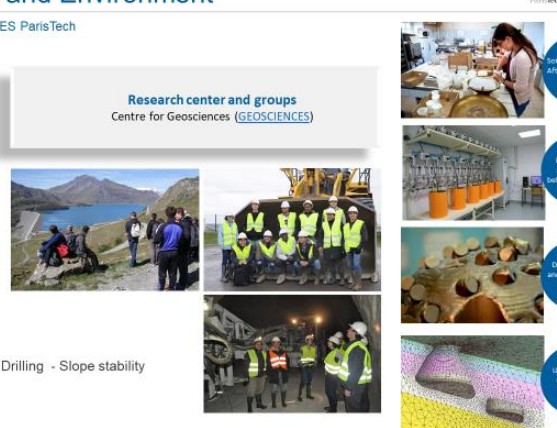
117 faculty members

**Main research topics:**

- Geosciences:
  - Geology
  - Geophysics
  - Geostatistics
  - Water resources
  - Civil and mining Eng. Drilling - Slope stability

**Research center and groups**

Centre for Geosciences ([GEOSCIENCES](#))



- Drill rock matrix After-swinging in field
- Branches for mechanical behavior of rocks
- Drill bit design and optimization
- Underground gas and oil storage

**MAIN TOPICS IN GEOSCIENCES RESEARCH DEPARTMENT OF MINES PARISTECH**

Participants are teachers and researchers from the University and from our School. PhD candidates present their work too and master students can attend the meeting.

Speakers from Ghana:

**University of Mines and Technology (UMaT), Tarkwa. Ghana**

<https://www.umat.edu.gh/>

Assoc Prof Mrs **Patricia Beatrice Mireku-Gyimah**, Dean, Office of International programmes

The Head of Dept Petroleum Geosciences and Engineering is Dr Mr **Richard Amorin**

The Head of Department of Geology/Geological Sciences, Assoc Prof Mr **Anthony Ewusi**

Lecturer and University Training Coordinator Dr **George M. Tetteh**

Technical Instructor (PhD candidate) Mr **Emmanuel D. Sunkari**

Lecturer (PhD candidate) Mr **Jamel Seidu j**

PhD Candidate Mr **Ebenezer Ansah &** PhD candidate Mr **Rabiatu Abubakar**

Speakers from France:

**Mines-ParisTech (Centre de Géosciences), Fontainebleau. France**

<https://www.geosciences.minesparis.psl.eu/en/home/>

The Head of Geosciences and Engineering Dept is Prof **Vincent Lagneau**

Dr **Isabelle Thenevin** in charge of Public relations

The Head Post master degree mineral resources industry & society (MIRIS) Dr **Jean-Alain Fleurisson**

The Head of Mining CFSG, Post-graduate training program Dr **Serge Seguret**

The Head of Geomechanics Prof **Hedi Sellami**

Scientist of Geophysics team Prof **Alexandrine Gesret**

The Head of Geostatistics Dr **Xavier Freulon**

PhD Candidate Mrs **Lucia Clarotto**

Program starting at **8:00 AM in Ghana and 10:00 in France**

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- Opening Session

Prof Mr **Vincent Lagneau** (France) and Assoc Prof Mrs **Patricia Beatrice Mireku-Gyimah** (Ghana)

(20 minutes)

- Training, vocational training in Paris or online, Mineral industry & territorial dynamics Chair

Dr **Serge Seguret** and Dr **Jean-Alain Fleurisson** (20 minutes)

- Geophysical Techniques for Groundwater Exploration in Ghana, Assoc Prof **Anthony Ewusi** (10 minutes)
- Uncertainty quantification in seismic imaging, Prof Mrs **Alexandrine Gesret** (10 minutes)

#### Questions – discussions 9:00 AM in Ghana and 11:00 in France (15 minutes)

- Geology, Tectonic Setting and Mineralization Potentials of Ghana, Dr **George M. Tetteh** (10 minutes)
- Geomechanics Team and research projects, Prof **Hedi Sellami** (10 minutes)
- Hydrogeochemical Controls and Probabilistic Human Health Risk Assessment of Groundwater Fluoride in Northeastern Ghana, Mr **Emmanuel D. Sunkari** (10 minutes)
- Efficient geostatistical methods for large and heterogeneous datasets, Dr **Xavier Freulon** (10 minutes)
- Exploring the Impacts of Data Partitioning on Groundwater Level Prediction using Artificial Neural Networks, Mr **Jamel Seidu** (10 minutes)
- Integration of Geological, Geophysical and Reservoir Parameters for an enhanced decision Analysis on Sandstone Reservoir – A case study of the Jubilee Field (Deep Tano Basin) Ghana Mr **Ebenezer Ansah** (10 minutes)
- Spatio-temporal prediction by stochastic partial differential equations, Mrs **Lucia Clarotto** (10 minutes)
- Source Rock Evaluation of the Western Basin using Rock-eval Analysis Data and Statistical Methods, Mr **Rabiatu Abubakar** (10 minutes)

#### Questions – discussions 10:35 AM in Ghana and 12:35 in France (15 minutes)

- Closure of the session, Thanks,

Dr **Florence Lelait**, ParisTech (10 minutes)

[Registration here](#)