

Society of Petroleum Engineers  
2019-2020 SPE Romanian Section Young Professional Program



# *CAREER INSIGHT*

~ACTIVITY REPORT~

## *A DAY IN A LIFE OF A GEOLOGIST for Students*

Speaker: Florina Negru

Position: Geologist Engineer

Company: SNGN Romgaz SA

Prepared by	Florina Negru
Delivered to	SPE Romanian Section Committee SPE Romanian Section Young Professionals Committee LBUS - Management of Faculty of Engineering
Date	March 28 <sup>th</sup> , 2019

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## 1. INTRODUCTION

The event “*A day in a life of a geologist*“ was organized by SPE Romanian Section Young Professionals within the CAREER INSIGHT PROJECT for students from Lucian Blaga University of Sibiu, Faculty of Engineering.

By organizing this event it was intended to bring a young professional from oil and gas industry, namely Mrs. Florina Negru, Geologist Engineer with SNGN Romgaz SA to present what a geologist is doing in daily activities.

SPE Romanian Section Young Professional has as an objectives and mission to support student’s activities, by assisting in, and developing their personal and professional skills.

### *Biography of Mrs. Florina Negru*

With a background in chemical engineering and geology, Florina is a geoscientist with experience both on exploration and development projects for oil and gas productive areas in Romania.

After graduating University of Bucharest with a bachelor degree in Geological Engineering and a Master degree in Geological Sciences, Florina joined OMV Petrom as a geoscientist where her main interest was related to basin modeling and geochemical data interpretation.

Since February 2018 she accepted a new career challenge and joined ROMGAZ as Geologist Engineer. Currently she is part of a team responsible for gas mature field rehabilitation and her main tasks are well logs correlation, seismic interpretation, structural and property modeling.

Florina Negru is a SPE member and is involved in 2018-2019 SPE Romanian Section Young Professional as Program Chairperson.

The presentation is part of SPE Romanian Section Young Professional Program 2018-2019.

Event date and location	March 28 <sup>th</sup> , 2019 16:00-18:00	Medias, Sibiu County, Romania Faculty of Engineering, Str. Lotru, no.3
Organized by	Ion Foidas	SPE Romanian Section Medias Group Chairperson
	Diana Lupu	SPE Young Professionals Romanian Section Medias Group Chairperson
	Valentin Petrescu	ViceDean, Prof. Dr. Eng at LBUS-Faculty of Engineering
Participants	62	

Students were informed about the event by using:

- The official website of the SPE Romanian Section: <http://speromania.org/events/career-insight/>
- The official Facebook page of SPE Romanian Section
- The official Facebook page of Lucian Blaga University of Sibiu
- The official Facebook page of Faculty of Engineering
- Via e-mail to TDDH's students year's representative



## CAREER INSIGHT

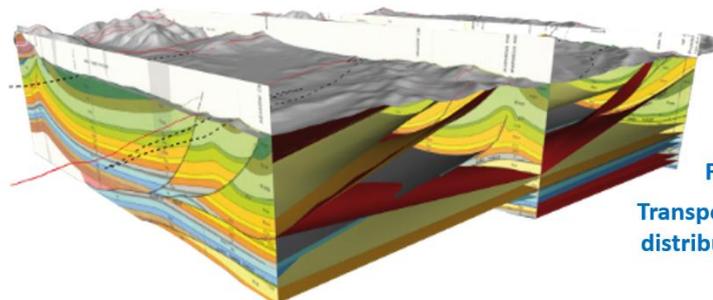


# A DAY IN A LIFE OF A GEOLOGIST

By **Florina Negru**

Geologist, SNGN ROMGAZ SA  
SPE Young Professional

28<sup>th</sup> of March, 16:00  
Medias, Str. Lotru nr.3  
Faculty of Engineering,



For **STUDENTS**  
Transportul, depozitarea și  
distribuția hidrocarburilor  
(TDDH)

Poster advertising

## EXECUTIVE SUMMARY

The event “*A day in a life of a geologist*“ was organized by SPE Romanian Section Young Professionals for students from Lucian Blaga University of Sibiu, Faculty of Engineering, study program Transmission, Storage and Distribution of Hydrocarbons.

By organizing this event it was intended to bring a young professional engineer from oil and gas industry, namely Mrs. Florina Andreea Negru, Geologist Engineer at SNGN Romgaz SA to present the practical aspects faced by a geologist engineer in daily activities.

SPE Romanian Section Young Professional has as an objectives and mission to support student’s activities, by assisting in, and developing their personal and professional skills.

The event was introduced by Mrs. Diana-Andreea Lupu, SPE Young Professional Romanian Section who emphasized the importance of having the opportunity to discuss with young professionals from oil and gas industry, to learn from their experiences and what are the advantages the SPE offers, respectively why is important to be an active student.

Then, Mrs. Diana-Andreea Lupu made short introduction about Mrs. Florina Negru, about professional collaboration and encouraged students to be interactive during her presentation.

The presentation started with a short introduction why Florina chose to work in the oil and gas industry, she made a brief presentation of herself, about his work experience and what he learned during professional activities.

The presentation was structured to explain in simple terms what geology is, what career pathway can follow as geologist and insight from Florina’s career as geologist both on exploration and development departments. During presentation basic concepts were presented about petroleum geology and practical approach of a geologist during daily activities.

At the end of the presentation Mr. Ion Foidas, SPE Romanian Section Medias Group Chairperson and Lecturer at LBUS, Faculty of Engineering, TDDH study and Mr. Valentin Petrescu, ViceDean, Prof. Dr. Eng at LBUS-Faculty of Engineering program thanked to Mrs. Florina Negru for the availability and acceptance of the invitation to come and make this presentation and to students for accepting the invitation.

Students were also encouraged to become involved in the SPE activities, take advantage of the chances that student status offers and thanked the SPE Young Professional Romanian Section for the initiative, hoping for other similar events. A group picture was made at the end of the event.

## **2. EVENT DESCRIPTION**

### **Introduction**

The event introduction was made by Diana-Andreea Lupu, SPE Young Professional Romanian Section- Medias Group chairperson, who emphasized the importance of having the opportunity to discuss with young professionals from oil and gas industry, to learn from their experiences and what are the advantages the SPE offers, and why is important to be an active student. She thanked to Mrs. Florina Negru for coming and sharing from her professional experiences and knowledge based on office and field daily activities.



Speaker: Diana-Andreea Lupu,  
SPE Young Professional Romanian Section, Medias Group Chairperson

## **Presentation**

Before presentation Mrs. Florina Negru made a brief presentation of herself, where is she working and thanked for the opportunity to come and share with the students from her professional experience and knowledge.



Speaker: Florina Andreea Negru,  
SPE Young Professional Romanian Section, Program Chairperson

The content of presentation was structured in the following topics:

- What is geology?
- Career pathways
- My career pathway
- How does geology apply in oil & gas industry
- Exploration and basin modelling
- Development and reservoir models
- Conclusions



Florina explained to the students that geology is the science of the Earth, the art of creating a visual representation of the Earth's history and its sub-surface. She briefly exemplified the professional options that a fresh graduate in geology have for a career in this domain, like Geochemistry, Geophysics, Hydrogeology, Engineering Geology, Environmental Geology or Natural Resources.

Florina presented her background and her professional history so far and what was the projects in which she was involved about. She told to students she started her career with OMV Petrom as Junior Geoscientist in Exploration Department and she was part of the Basin Modeling and Geochemistry team. Her main responsibilities were 1D, 2D and 3D basin modeling, geochemical data analysis, seismic interpretation and to apply methodologies not so common used in the company, such as the use of well log to characterize the source rock.

Florina presented to students the petroleum system's elements and the fact her main task was to integrate all data available to evaluate the source rock in order to reduce the exploration risk. A case study from the Western Getic basin was integrated in the presentation.

Because in 2018 Florina accepted a new challenge in career and come to SNGN Romgaz as Geologist Engineer in the Development department, she explained the new tasks she had to learn for this position. Currently she is part of a team responsible for gas mature field rehabilitation and her main tasks are well logs correlation, seismic interpretation, structural and

property modeling. Florina explained to students what a reservoir model is, from where the data is coming from and what is the importance of a model for field forecast.

The main idea she tried to express to student was that a geologist has multiple choices as professional, even in the same industry a geologist can be part in multidisciplinary team, every time is learning something new and the flexibility is a key. But the most important is to stick to what you love, to be perseverant and to be open to networking.



At the end Mrs. Florina Negru expressed willingness to help in student projects and to answer their questions related to geology. Also, Florina together with her colleagues Diana Lupu and Alexandru Popa, Simulation Engineer for SNGN Romgaz SA, answered students questions about career options and opportunities. The discussions continued with the students in a non-formal location.

### **3. CONCLUSIONS**

At the end of the presentation Mr. Ion Foidas, SPE Romanian Section Medias Group Chairperson and Lecturer at LBUS, Faculty of Engineering, TDDH study and Mr. Valentin Petrescu, ViceDean, Prof. Dr. Eng at LBUS-Faculty of Engineering program thanked to Mrs. Florina Negru for the availability and acceptance of the invitation to come and make this presentation to students for accepting the invitation.

Students were also encouraged to become involved in the SPE activities, take advantage of the chances that student status offers and thanked the SPE Young Professional Romanian Section for the initiative, hoping for other similar events. A group picture was made at the end of the event.



## Contact



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