

PERSONAL DETAILS

Name
Charalampos Soilemezidis

Address
Gerhard-Rauschenbach-Str. 4
Clausthal-Zellerfeld, 38678

Phone number
+49 163 1669554

Email
charalampos.soilemezidis@tu-clausthal.de

Date of birth
29/01/2000

Place of birth
München

Gender
Male

Driving licence
B, A1

Nationality
German

Marital status
Unmarried

LinkedIn
www.linkedin.com/in/charalampos-soilemezidis-045860254

LANGUAGES

German	★★★★★
English	★★★★★
Greek	★★★★
Russian	★★

CHARALAMPOS SOILEMEZIDIS

I am a graduate of Clausthal University of Technology with a Bachelor's degree and am currently enrolled in a Master's program in Petroleum Engineering, specializing in drilling and production. My professional experience began in 2021 when I took over the role of Project Manager for the TUC Drillbotics project. In this capacity, I successfully led a team of six engineers in developing the first operational and functional "push-the-bit" system for a 1.5-inch hole diameter. Over the past two years, I have collaborated with multiple oil and Gas related companies to secure funding and synergize efforts during the development phase. Alongside my studies, I have maintained a strong focus on oil and gas/geothermal production and drilling, consistently ranking at the top of my classes. I have developed a comprehensive skill set and established a broad network within various oil and gas-related disciplines. I am now seeking new opportunities that allow me to contribute my knowledge and further expand my expertise.

WORK EXPERIENCE

Jun 2021 - Present

Drillbotics® Project Manager
Institute of Subsurface Energy Systems - Clausthal University of Technology, Clausthal-Zellerfeld

International Drillbotics® Competition Achievements (Team Lead for Group B - Physical Rig at TUC):

- 2022: Second Place
- 2023: First Place
- 2024. Pending

Jan 2024 - Present

Research Associate
Institute of Subsurface Energy Systems - Clausthal University of Technology, Clausthal-Zellerfeld

Responsibility: Drilling and Production Engineer in an Industry-Collaborative Research Project

Aug 2022 - Present

Officer
SPE Student Chapter e.V., Clausthal-Zellerfeld

This is voluntary work where I assist the local SPE Student Chapter in managing their affairs, inviting E&P related companies for presentations, and organizing excursions to rig sites, as well as helping students connect with the industry. The primary goal is to bridge the gap between the industry and young professionals.

Oct 2020 - Present

Tutor
Institute for Electrical Energy Technology and Energy Systems - Clausthal University of Technology, Clausthal-Zellerfeld

Tutor in the subjects Fundamentals of Electrical Engineering 1 and 2

EDUCATION

Oct 2023 - Present

Master of Science
Clausthal University of Technology, Clausthal-Zellerfeld

Petroleum Engineer - Drilling and Production
Current Average Grade: 1.1 (German System: 1 = Best, 6 = Worst)

Jan 2019 - Oct 2023

Bachelor of Science
Clausthal University of Technology, Clausthal-Zellerfeld

Field of Study: Energy and Raw Materials - Petroleum Engineering
Bachelor's Thesis Title: "Drilling in the Digital Era: A Multi-modal Control Algorithm for Scaled Directional Drilling Systems"

- Thesis Overview: During my thesis, I developed a scalable autonomous control algorithm for scaled directional drilling rigs. This algorithm was subsequently employed and tested on a small scale. The results were encouraging and gained interest from industry groups focused on developing standards for autonomous drilling and remote control (DWIS).
- **Bachelor's Degree Final Grade: 2.0**
- **Thesis Grade: 1.0**

2016 - 2019

General university entrance qualification
Georg-Kerschensteiner-Schule, Müllheim, Müllheim

Profile subject: Technology and Management

TEXT BOX

Speaker Engagements:

- Celle Drilling Conference 2022: Presentation on "*Drillbotics®*"
- Celle Drilling Conference 2023: Presentation on "*A Multimodal Control Algorithm for Scaled Directional Drilling Rigs*"
- Student Technical Congress 2023: Presentation on "*1.5 Inch RSS First Test Evaluation*"
- IADC Drilling Conference 2024: SPE-217689-MS "*Directional Drilling with Scaled RSS and Virtual Well Control*"

Publications:

1. OnePetro*: Directional Drilling with Scaled RSS and Virtual Well Control: (https://onepetro.org/search-results?page=1&q=directional%20drilling%20with%20scaled%20rss)*
2. 2024 TUC Phase I Design Report: *(https://www.drillbotics.tu-clausthal.de/fileadmin/Drillbotics/documents/2024_TUC_Phase_I_Design_Report.pdf)*
3. 2023 TUC Phase I Design Report: (*https://drillbotics.com/wp-content/uploads/simple-file-list/Design-Reports/Design-Reports-2023-Group-B/2023-TUC-Phase-I-Design-Report.pdf)*

Personal Work-Related Unbiased Articles:

Drilling Contractor (Official Magazine of the IADC):

- *Drillbotics competition spotlights student-led innovations in automated drilling systems (https://drillingcontractor.org/drillbotics-competition-spotlights-student-led-innovations-in-automated-drilling-systems-68364)*

Hart Energy:

- *Tech Trends: Safety, Speed, Savings: Automation is Transforming Drilling (https://www.hartenergy.com/exclusives/tech-trends-safety-speed-savings-automation-transforming-drilling-208607)*

Scholarship:

Recipient of the State Scholarship Lower Saxony 2023/2024

Upcoming:

Documentary on the 2023 Drillbotics® Competition (Winning Year) by Gibson Reports.

CERTIFICATES

- 2023

Certificate in Advanced English, Council of Europe Level: C1

Cambridge University Press & Assessment

Ausgestellt: Juni 2023

Zertifikats-ID: C2751611

SKILLS

LaTex	★★★★★
Python	★★★★☆
Data analysis	★★★★☆
Microsoft Office (Word, Excel, PPT)	★★★★☆
Creo 4.0 - 5.0	★★★★☆
Matlab	★★★★☆
Machine Learning and AI	★★★☆☆
Numerical Simulations	★★★☆☆
KiCad	★★★☆☆
C++	★★☆☆☆

REFERENCES

References available upon request