THE UNIVERSITY OF TRINIDAD AND TOBAGO

# THE MORICHE

The Official Newsletter of The University of Trinidad and Tobago



Members of UTT's Student Chapter of the Society of Petroleum Engineers (SPE) at UTT Point Lisas Campus.

**WITH A FOCUS ON PETROLEUM ENGINEERING**

# UTT Students Awarded SPE Student Chapter Excellence Award

The University of Trinidad & Tobago (UTT) is pleased to announce its Student Chapter of the Society of Petroleum Engineers (SPE) has been awarded the Student Chapter Excellence Award for 2021. This prestigious award is the second highest honour a Student Chapter can receive and is awarded to only one-fifth of Student Chapters around the world.

The award is in recognition of the Chapter's endeavours in industry engagement, operations and planning, community involvement, professional development, and innovation. In spite of the challenges faced last year, the Chapter persevered and continues to fulfill SPE's mission to serve its members. This is undoubtedly a reflection of the dedicated work of its Student Board, which includes **EVANGELINE PARDASIE**, President; **BRIAN CABRERA**, Vice President; **ADRIAN THOMAS**, Treasurer; **ANDREA BARTHOLOMEW**, Secretary and **MAISHA MENDOZA**, Public Relations Officer. The Board also receives support from its Faculty Advisor, Dr. Edward Bahaw, Assistant Professor Energy Engineering Systems.

In March 2021, their operations switched to an online format, utilising Zoom and social media platforms. Amidst the Covid-19 pandemic, the group was able to successfully execute eighteen (18) events which included a field trip dedicated to providing animal care, a personal development session, technical sessions, professional development sessions, community development events, a fundraiser and a marketing campaign for International Women's Day. The group also partnered with UWI SPE & SPETT for a charity initiative and a 'Back to School' drive which allowed members to actively take part in responsible change.

These endeavours ran parallel to their efforts to ensure their student members continued learning about decarbonisation developments in Trinidad and Tobago, while also gaining a broader view of sustainability within the sector. Additionally, they were able to provide students with insight into professionalism and the world of work relevant to current and possible post-Covid-19 operations.

Overall, UTT's SPE Student Chapter created a holistic environment for its members to network with professionals and gain valuable knowledge regarding their development as the next generation of engineers. President Evangeline Pardasie acknowledges "The fruits of our labour were evident in the engagement we received from our student members and this award topped it all off!" She also remarks that the group is grateful for the support of UTT, the University's Energy Systems Engineering Unit, SPE Trinidad and Tobago Section, SPE International, its student members and all those who have contributed to its growth and development.

The University commends its SPE Student Chapter for its unwavering commitment to its members, its community, and the development of the local industry. ■



*For information on UTT's Petroleum Engineering programmes, please visit* **www.u.tt/energy**

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**SEPTEMBER 2021** intake

# **DISCOVER** the **POSSIBILITIES** in **ENERGY ENGINEERING**

- National Engineering Technician Diploma in **Petroleum Engineering**
- Bachelor of Applied Science in **Petroleum Engineering**
- Master of Engineering in **Petroleum Engineering**
- Master of Science in **Energy Engineering****
  *with specialisation in Renewable Energy*

** *Not GATE approved*

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STUDENT PROFILE

# Ms. Evangeline Pardasie

**Ms. EVANGELINE PARDASIE** is a final year student of The University of Trinidad and Tobago's (UTT) Bachelor of Applied Science (B.A.Sc.) in Petroleum Engineering programme, and President of the University's Society of Petroleum Engineers (SPE) Student Chapter. Her story is one of perseverance in the face of adversity. These are her words:

*After completing my CSEC exams, I was rejected by at least three schools, when attempting to pursue CAPE-level qualifications. I had no sense of direction or purpose at the time, but I always had a love for the oil and gas sector. As a result, I opted to embark on a journey into the industry and acquired an International Vocational Qualification (IVQ) in Oil & Gas – Process Technician at Kenson School of Production Technology. I went on to further my studies, joining UTT where I completed the National Engineering Technician's Diploma (NETD) in Petroleum Engineering. Now in my final year, my eyes are set on becoming a Drilling and Completions Engineer.*

*Since joining the oil and gas industry, I have been an active member of SPE. Throughout my academic journey at UTT, I have been fortunate enough to have served on the UTT SPE Student Chapter Board on multiple occasions. I have previously served as Secretary (2018), and I am serving as President for my second consecutive term. I am also a member of the SPETT GAIA Sustainability Committee, the Social Media Lead on the SPETT Diversity and Inclusion Committee, and I was awarded the SPETT Bursary Award in 2019 and 2021.*

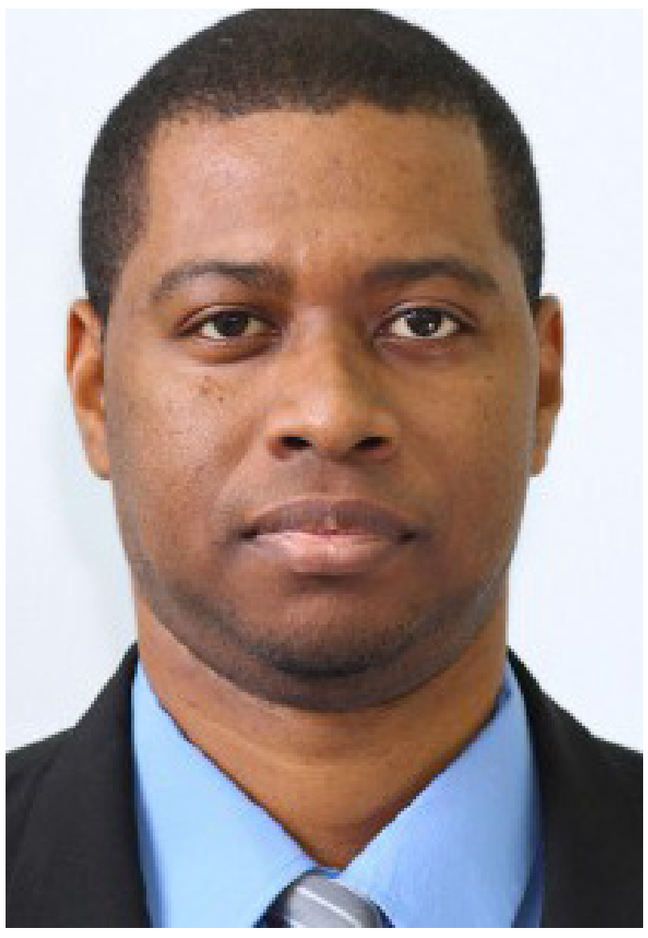
*Being a student at UTT, coupled with heavy involvement in SPE, has created many opportunities for me such as networking with industry professionals, involvement community service activities, and even internship opportunities. UTT and SPE have both contributed significantly to my growth and development, professionally and personally.*

*Outside of the energy sector, I have a passion and desire for helping others and contributing to the personal development of others. As a result, in November 2020, I started my very own non-profit charity organisation which has successfully executed four initiatives to date.*

*During my time at UTT, I have learnt that being purpose-driven and having passion truly makes a difference in the field one is pursuing. To me, being an engineer is about innovation and improvement in a process which can benefit generations after yours, it is about being a part of a community that is creating change. Additionally, I have learnt that one should never think that an industry is oversaturated and impossible to succeed in. If God puts a gift in you, there is more than enough room for you.*

*Notwithstanding the negative comments regarding my choice of study and career path, through the many sacrifices and struggles, I am dedicated to continuously pursuing my passion with purpose.*

THE MORICHE



# UTT congratulates Dr. David Alexander on 2021 SPE Sustainability and Stewardship Award

The University of Trinidad and Tobago (UTT) congratulates **Dr. DAVID ALEXANDER**, Associate Professor, Energy Systems Engineering Unit on his selection to receive the 2021 Society of Petroleum Engineers (SPE) Regional Sustainability and Stewardship in the Oil and Gas Industry Award.

This award is an acknowledgement of Dr. Alexander's outstanding contribution to the industry in the Latin America and the Caribbean Region. On being selected, he remarks, "I am extremely honoured to receive this award from SPE since it recognises the contribution of my work and reassures me that the direction of our work is appropriate. Receiving this award from an Institution as prestigious as the SPE motivates me to redouble my efforts."

Dr. Alexander mentioned that he believes his research on Carbon Capture Utilisation and Storage truly put him in the running for this award. He comments, "I have published over twenty (20) articles in the area and presented at international forums to highlight the progress that Trinidad and Tobago has made in the area. Additionally, our research team at UTT has been successful in obtaining grants from the Ministry of Energy and Energy Industries for two projects which focused on Carbon Management and its utilisation in resuscitating oil and gas reservoirs."

Presenting at conferences around the world boded well for the engineer who has been an SPE member for eighteen (18) years, however, his work at UTT undoubtedly laid the foundation on which current research was built. He shares, "I started my research in this area at the University in 2007. UTT sponsored my research at the Doctor of Philosophy (Ph.D.) level where I was able to investigate the injection of Carbon Dioxide into a reservoir owned and operated by one of T&T's largest Oil and Gas operators. Over the years, UTT has provided the necessary resources and support for me to continue my research."

Currently, Dr. Alexander is part of a UTT team seeking to develop a Storage Atlas for $CO_2$ Storage, followed by a pilot project, both of which will have implications for the industry in boosting oil production and managing carbon emissions. He adds, that as a faculty member of UTT, it is easy to engage the industry since there is a mutual point of interest to execute national projects.

For his commitment to relevant research spanning over fourteen (14) years, and for receiving this outstanding achievement, the University congratulates Dr. Alexander. ■



UTT | Our **NATIONAL UNIVERSITY**

THE UNIVERSITY OF TRINIDAD AND TOBAGO

*IN PURSUIT OF EXCELLENCE*

**SEPTEMBER 2021** intake

# DISCOVER the POSSIBILITIES

UTT offers **OVER SIXTY (60) UNDERGRADUATE** and **POSTGRADUATE PROGRAMMES** in:

## CERTIFICATES

- Certificate in **Applied Engineering**
- Certificate in **Aviation Technology**
- Certificate in **Food Technology**
- Certificate in **Process Operations**
- Certificate in **Sport Studies**
- Professional Certificate in **ICT for Teachers**
- Certificate in **Early Childhood Care and Education**
- Certificate in **Security and Public Safety**

## DIPLOMAS

- Diploma in **Agriculture**
- Diploma in **Animal Health, Production and Veterinary Public Health**
- National Engineering Technician Diploma in **Chemical Engineering**
- National Engineering Technician Diploma in **Civil Engineering**
- Diploma in **Computer, Network and Telecommunication Engineering**
- National Engineering Technician Diploma in **Electrical/Electronic Engineering**
- Diploma in **Fashion Design** with Fashion Management Option
- National Engineering Technician Diploma in **Instrumentation Engineering**
- Diploma in **Maritime Operations**
  - Engineering
  - Navigation
- National Engineering Technician Diploma in **Mechanical Engineering**
- Diploma in **Ornamental Horticulture**
- National Engineering Technician Diploma in **Petroleum Engineering**
- Diploma in **Forestry**
- Diploma in **Food Technology**
- National Engineering Technician Diploma in **Renewable Energy Engineering Technology**
- Diploma in **Security and Public Safety**
- Diploma in **Software Engineering**
- Diploma in **Natural Resource Management***
- Diploma in **Visual Communications Design**

** Not GATE approved*

## BACHELOR Degrees

- Bachelor of Science in **Agriculture and Entrepreneurship**
- Bachelor of Science in **Aircraft Maintenance and Management**
- Bachelor of Applied Science in **Civil Engineering Systems**
- Bachelor of Science in **Coastal and Ocean Management**
- Bachelor of Applied Science in **Computer Engineering**
- Bachelor of Applied Science in **Criminology and Public Safety**
- Bachelor of **Education**
- Bachelor of Fine Arts in **Digital Media Arts**
- Bachelor of Science in **Aeronautical and Airworthiness Engineering**
- Bachelor of Fine Arts in **Fashion Design**
- Bachelor of Science in **Food Science and Technology**
- Bachelor of Science in **Kinesiology**
- Bachelor of Science in **Nautical Science/Maritime Operations**
- Bachelor of Fine Arts in the **Performing Arts**
- Bachelor of Applied Science in **Petroleum Engineering**
- Bachelor of Applied Science in **Process Engineering**
- Bachelor of Applied Science in **Manufacturing and Design Engineering**
- Bachelor of Applied Science in **Utilities Engineering**

## MASTER of ENGINEERING

- Master of Engineering in **Petroleum Engineering**
- Master of Engineering in **Process Engineering**
- Master of Engineering in **Utilities Engineering**

## MASTER Degrees**

- Master of Arts in **Carnival Studies**
- Master of Education in **Educational Technology**
- Master of Science in **Energy Engineering** with specialisation in Renewable Energy
- Master of Science in **Health Administration and Health Systems**
- Master of Science in **Innovation, Manufacturing Management and Entrepreneurship**
- Master of Science in **Innovative Design and Entrepreneurship**
- Master of Science in **Integrated Coastal and Ocean Management**
- Master of Science in **Kinesiology**
- Master of Science in **Operational Maritime Management**
- Master of Science in **Cybersecurity**
- Master of Science in **Information and Communication Technology**

## RESEARCH Degrees**

- **Master of Philosophy** (M.Phil.)
- **Doctor of Philosophy** (Ph.D.)

*** Postgraduate programmes currently not funded by GATE*

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Deadline: **July 31st, 2021**

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