



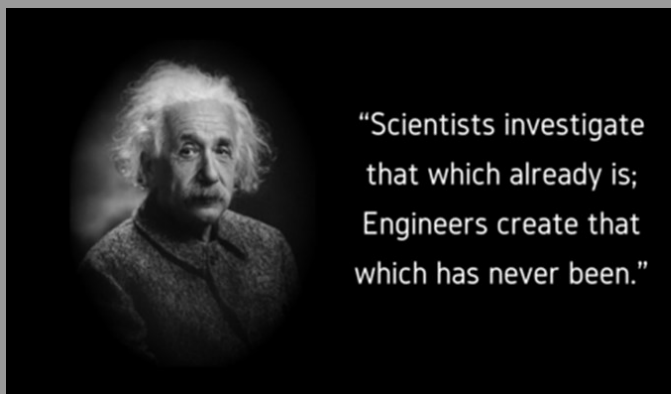
FACULTY OF  
ENGINEERING



# NEWSLETTER

Volume 3

MARCH 2021



**LEARN**  
**INSPIRE**  
**GROW**  
**BUILD**  
**INNOVATE**  
**CREATE**  
**LEAD**  
**DISCOVER**



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## Prepared by:

Ms. Shanique Gray - Senior Administrative Assistant II, Mr. Rhoad Hibbert - Administrative

# FOE IN THE NEWS

## UWI, UTech students to participate in Carib Cement- hosted CEMEX University

**Published:** Wednesday April 14, 2021

Forty-two final year students from The University of the West Indies (UWI) and the University of Technology (UTech) Jamaica will participate in a work exposure programme with Caribbean Cement Company Ltd, starting April 2021.

The programme, CEMEX Campus 2021, is being delivered in Jamaica for the first time and will expose students to cutting-edge research and development in the cement industry, state-of-the-art technology and the operations of a multi-national company. Leaders and technical experts of the Caribbean Cement Company and CEMEX operations will deliver presentations and provide coaching to the students during this time.

During the online launch on March 29th, Carib Cement General Manager Yago Castro said CEMEX Campus will create linkages between youth and the future development of the construction sector in Jamaica.

“Sharing knowledge with the universities is relevant to the future of our company. There is excellent talent in Jamaica, and we see it as part of our responsibility to help students understand our work and gain insight into the industry,” he said.

Over seven weeks, students will participate in webinars on health and safety, lime operations and aggregates, cement technology, quality, sustainability, supply chain, social impact, sales, distribution, planning, and human resources management.

Chairman of Carib Cement ,Parris Lyew-Ayee said the programme will equip participants to become leaders.

### LEARNING EXPERIENCE

“Universities today are challenged like never before. Partnerships like this one with Carib Cement and CEMEX are crucial for them to provide a fuller learning experience for their students,” said Lyew-Ayee, who initiated the partnership between the institutions and Carib Cement.

*... Continued on page 4*



# FOE IN THE NEWS

## UWI, UTech students to participate in Carib Cement—hosted CEMEX University

Participants were selected by their faculty members and are looking forward to the training. Shaneque Edwards of UTech said she hoped for a well-rounded experience where students will grow both in technical and soft skills, while UWI's Justin Gooden anticipates that it will fill a gap created by decrease in opportunities for work exposure, due to the pandemic.

Dean of the Faculty of Engineering at UWI, Dr Adrian Lawrence, in his remarks gave a brief history of the use of cementitious materials and concrete from 7000 BC, through the Roman Empire, to modern day Portland cement, to highlight the importance of concrete, and by extension cement, to engineering and the development of civilization. He thanked Cemex and Carib Cement for being good corporate citizens and praised the programme for adding richness to the educational experience of the students involved.

This programme is another of CEMEX's youth development initiatives which includes the CEMEX Professionals in Development (PDP) programme. Since 2019, the PDP has hosted 20 graduates of UTech, UWI and the Caribbean Maritime University, which are participating in a paid one-year internship after which they were placed across the organization.

In encouraging the students, CEMEX's regional vice president of human resources, Juan Carlos Chaia, said CEMEX Campus has already been rolled out successfully in Panama, Nicaragua and Colombia.

"We have seen how well this has worked in Panama – the key for this to be successful is the passion with which students participate. What matters is that you learn how to think and make the connection with what is happening in the real world. This is about opportunities to learn, future employment and networking," he said.

**Source:** <https://jamaica-gleaner.com/article/news/20210414/uwi-utech-students-participate-carib-cement-hosted-cemex-university>



# Stay in Control | The fight against COVID-19

## EMOTIONAL WELLNESS

### Stress Management

Many of us are filled with a myriad of feelings as we navigate the adjustments and challenges that come with staying safe during the current pandemic. We have had to modify our daily lives, including our work setting and functions, personal activities and social interactions. The changes, themselves, and aspects of the changes could result in internal and external factors that can cause us to feel displaced and stressed. Rest assured that this involuntary response to such a drastic and immediate change is normal and an expected one, and we may find ourselves constantly worrying and asking questions such as: How do I now balance working from home while simultaneously homeschooling my child? What happens if I or a loved one gets COVID-19? I am so worried about COVID-19, what if this situation becomes my new normal? When will I be able to be in a social gathering again? When will it be safe for my parents/grandparents to be in public again? In this article we will examine what is stress, how to identify stressors, and ways to cope and respond to stress during the pandemic.

Stress is associated with physiological and/or psychological alterations in the body in response to stressors and can impact how we feel and behave (American Psychological Association [APA], n.d.). Some of the changes include fatigue, difficulties concentrating, irritability, muscle tension, shortness of breath, and elevated blood pressure. Under "normal" circumstances the body normalizes once the stressor is removed, however, in this prolonged time of uncertainty it is possible for the stress to turn chronic, which can have long lasting effects on our body and overall health. Therefore, it is vital for us to engage in effective coping strategies to better deal with our various stressors. The APA (2007) suggests the following actions to assist in the management of your stress:

1. **Understand How You Stress:** What do you do (thoughts and behaviours) when you're stressed versus when you're not stressed?
2. **Identify Your Sources of Stress:** Stressors can be internal i.e. feelings and thoughts, such as fears, uncertainties, particular beliefs, or external i.e. situations and events that happen to us. To assist in identifying the source of the stress, the Mayo Clinic (2019) recommends writing a list of the situations, concerns and challenges that you are currently facing. From this list, you can classify your stressors and initiate various coping mechanisms.
3. **Learn Your Own Stress Signals:** What are the physical and psychological changes that occur to let you know that you are stressed? For example, do you get irritable? Can't sleep? Feel overwhelmed? Ruminating on negative thoughts? Crying spells? Erratic outbursts?

4. **Recognize How You Deal with Stress:** Coping can be adaptive - increases our function and addresses the stressor (eg. seeking help/support) or maladaptive - does not address the root cause of stress and is avoidant (eg. Substance abuse, self-blaming and denial). Avoid the latter, as this will prolong the effect of your stressor.

5. **Find healthy ways to manage stress:** There are many things that we can do to help alleviate stress, whether it is problem oriented such as creating a list, talking to someone - there are online counselling options and other resources - or emotional oriented such as meditation, prayer, acceptance, exercise (virtual gym).

6. **Self-Care:** Engage in safe activities that will alleviate the effects of the stressor eg. Family games, listening to your favourite music, DIY nail spa, engage your friends/family in an online challenge (baking, reading, exercise etc.), gardening, setup activities in your backyard, etc. These activities may also be done virtually with family and friends.

7. **Social Support:** Reach out to friends and family. Create WhatsApp group chats. Have virtual parties. If you have a child/children seek advice from other parents.

Keep in mind, stress management is an active process that involves making healthy choices daily. It is therefore important to be aware of the factors that can increase or decrease our stress, and how they affect us, and from there make healthy coping choices. Fortunately, our increased access to the internet has widened our options to access credible information and enable us to stay in communication with family, friends, colleagues and professionals who are able to provide different levels of support as we maneuver the effects of the COVID-19 pandemic.

If you want additional information on stress, its impact and stress management techniques, please visit:

- The American Psychological Association: <https://www.apa.org/topics/stress/>
- The American Institute of Stress: <http://www.stress.org/stress-effects/>

Sarah Bailey-Belafonte - Jr Research Fellow  
Janel Brown - Programme Officer  
Social Work Training and Research Centre



Staff & students are encouraged to use the counselling service where needed. The e-mail addresses to access counselling are as follows: [counseling.staff@open.uwi.edu](mailto:counseling.staff@open.uwi.edu) and [counseling.students@open.uwi.edu](mailto:counseling.students@open.uwi.edu)



[ocbienwell@open.uwi.edu](mailto:ocbienwell@open.uwi.edu)

3

## **NEW** GRADUATE PROGRAMME



**UWI**  
MONA CAMPUS  
JAMAICA, WEST INDIES

FACULTY OF  
**ENGINEERING**  
*in collaboration with*  
MONA SCHOOL OF BUSINESS AND MANAGEMENT

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[www.mona.uwi.edu/engineering](http://www.mona.uwi.edu/engineering)

**starting** September 2020

**LEARN MORE** ▶

Applications now open for admission in  
September 2021

For more information contact:

Dr. Omar Thomas

Deputy Dean of Outreach, Internationalization &  
Marketing

[omar.thomas@uwimona.edu.jm](mailto:omar.thomas@uwimona.edu.jm)

# STAFF SPOTLIGHT

Representatives from the Faculty of Engineering presented at the International Energy & Sustainability Conference 2021 Conference which was held virtually on March 18 - 19, 2021 and was hosted by the Farmingdale State College in collaboration with The University of the West Indies, Mona, Stony Brook University, IEEE and other partners.

## Poster presentations:

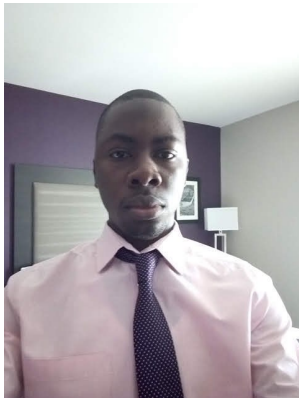


*Omar Thomas, PhD  
Deputy Dean of Outreach,  
Internationalization & Marketing*

## Strategies for a National Campaign on eMobility

March 18-19 2021

- Presented By:
  - Omar Thomas, Ph.D., P. E.
  - Jerdene Fraser
  - Antonia Lawrence
  - Brandon Brown
  - Adrian Taylor
  - Jermaine Welcome



*Kolapo Alli, PhD  
Lecturer in Electronics,  
Electrical Power Engineering*



*Haniph Latchman  
Professor  
Control Systems,  
Communications and Computer  
Networks*

## A Semi-definite Programming Method for Solving a Multi-area Emission/Economic Dispatch Problem

Kolapo Alli 1, Haniph Latchman 2

Faculty of Engineering

The University of the West Indies, Mona

# STAFF SPOTLIGHT

Faculty of Engineering  
representatives that participated  
in the International Energy &  
Sustainability Conference 2021  
Speakers and panelists session.



*Paul Aiken, PhD  
Senior Lecturer and CEO of Mona-tech  
Engineering Services*



*Stanley Smellie,  
Project Officer*

## CONGRATULATIONS!



*Leighton Ellis, PhD  
Deputy Dean, Quality Assurance*

Dr. Leighton Ellis was appointed as the Institution of Civil Engineers (ICE) Representative for Jamaica by the International Committee of ICE. His appointment takes effect February 2, 2021 for a period of three (3) years.

Dr Ellis notes that he is honoured to have been given the opportunity as the ICE Representative for Jamaica and will draw on his skills, experience and innate desire to transform the engineering profession in Jamaica during his tenure.

For more about the ICE please visit: <https://www.ice.org.uk/about-ice>

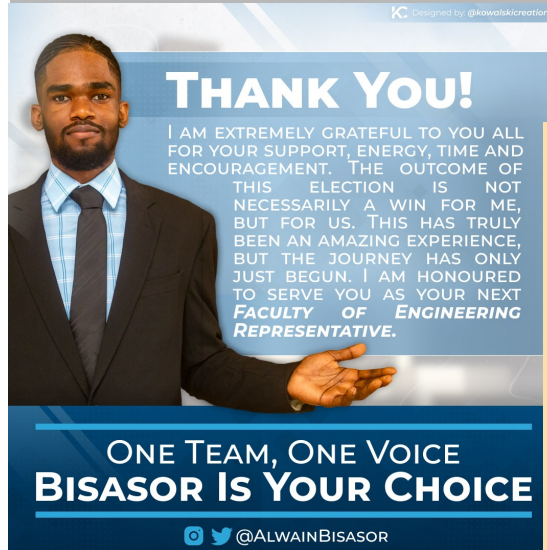
## FOE Student Society Corner

***Congratulations*** to our Engineering students that were successful in the recently concluded Guild Elections:

- ◆ Alwain Bisasor— New FOE Representative Elect
- ◆ Nile Anderson— New VP SSP Elect

The Mona Engineering Society is currently recruiting members for it's new Executive Team. Have you applied yet ?

# Mona Engineering Society (MES) Corner



**THANK YOU!**

I AM EXTREMELY GRATEFUL TO YOU ALL FOR YOUR SUPPORT, ENERGY, TIME AND ENCOURAGEMENT. THE OUTCOME OF THIS ELECTION IS NOT NECESSARILY A WIN FOR ME, BUT FOR US. THIS HAS TRULY BEEN AN AMAZING EXPERIENCE, BUT THE JOURNEY HAS ONLY JUST BEGUN. I AM HONOURED TO SERVE YOU AS YOUR NEXT **FACULTY OF ENGINEERING REPRESENTATIVE.**

**ONE TEAM, ONE VOICE  
BISASOR IS YOUR CHOICE**

@ALWAINBISASOR



**THANK YOU**



**MONA ENGINEERING SOCIETY**  
NOW ACCEPTING APPLICATIONS FOR THE EXECUTIVE

**POSITIONS OPEN**

- ⚙️ 1st Vice President (External)
- ⚙️ 2nd Vice President (Internal)
- ⚙️ Secretary
- ⚙️ Treasurer
- ⚙️ External Affairs Chairperson
- ⚙️ Cultural and Entertainment Affairs Chairperson
- ⚙️ Games Committee Chairpersons (Female and Male)
- ⚙️ Discipline Representatives
- ⚙️ Publications Committee Chairperson
- ⚙️ Public Relations Officer

EMAIL RESUME AND PROPOSAL WITH NAME, CONTACT, MAJOR AND REASON FOR APPLYING TO [MONAENGINEERINGSOCIETY@GMAIL.COM](mailto:MONAENGINEERINGSOCIETY@GMAIL.COM).  
SHORT LISTED CANDIDATES WILL BE CONTACTED VIA EMAIL.

**DEADLINE: FRIDAY, MAY 07, 2021**



## FACULTY OF ENGINEERING

# HONOUR SOCIETY LIST

Semester Two - 2019/2020

### Biomedical Engineering

ANDERSON, Kymani Andruw	HUGHES, Justine Brianna
BEHARIE, Cady Olivia	JONES, Mitzi Arnelle
DRUMMOND, Roshan	MCKENZIE, Makaila Colleen
DUNN, Sidony Rossmay	MEGGO, Daniel Stephen
ELLISTON, Shanae Olivia	MORGAN, Jaleel Onawe
HEWITT, Aisha Latifah	MURRAY, Rae-Anna Alleyne

### Civil Engineering

ANDERSON, Joshua Patrick	LAHEJA, Ganga Naresh
ARNOLD, Matthew Antonio	LAWRENCE, Antonia LaBonte'
ASPHALL, Dorelle Dae-shannel	MARTIN, Arianna Brandon
BACCHAS, Mischka Aesha	MCFARLANE, Ashley Shinelle
BALFOUR, Daejah Aalyah	MCPHERSON, Ashley Amanda
BARTLEY, Brenton Sylvester	MILLER, Sophia Kimberlee
BILLINGS, Kyle Brandon	MOLLOY, TAMERA PETA-GAY
BILLINGS, Tajay Beko	MURRAY, Austin Bradley Dominik
BROWN, Brandon Karrick Antoine	MURRAY, Lesmar Chyon
BROWN, Kinisha	PALMER, Lori-Ann Danielle
BURRELL, Janneil Latanya	PALMER, Steven Daniel
CRAWFORD, Jhanelle Mekaliah Ruelann	PARCHMENT, Valencia Marian
DACOSTA, Nathan Marc-Anthony	REID, Michael Junior
DONALD, Taneille Elise	ROBINSON, Tariq Adam
DONALDSON, Okeno Obrian	ROYE, Kimberly Annmarie
EDWARDS, Janelle Joy Carole	SHARPE, Lawayne Ronaldo Alton
FRASER, Jerdene Ann-Marie	SMITH, Ebboni Khailann
GRAY, Nicolene Anne-marie	SMITH, Nicholas Bryan
HALL, Shantae Rori-ann	TAYLOR, Adrian Nathan
HARRIS, Xavier Andre Desmond	THOMPSON, JonBenet Kiana Kaela
HARTLEY, Donoi Jameel Damar	WALLACE, Najaye Tristacia
HENRY, Yackesha Melissa	WELCOME, Jermaine Asina
HOWARD, Stefan Malik	WILLIAMS, Danielle Brooke
JOLLY, Alyssa Peta-Gaye	WILSON, Alea Andrene
JONES, Sherryahna Alliece	WRIGHT, Steven-Jon Vincent

### Faculty of Engineering Honour Society

The Engineering Honour Society was created as a way to encourage undergraduate students to aim higher and achieve more and recognize them for their outstanding academic performance.

Students are deemed eligible for inclusion on the list each semester, based on their performance in the preceding academic semester or year. Earning a GPA of 3.0 and above for the applicable semester with a regular course load.

### **Faculty of Engineering Honour Society**

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## **Electrical Power Engineering**

BUCKLE, Giovanni Antonio  
CLARKE, Romario Cleon  
DAVIS, Shelloy Shadeed  
IVEY, Chase Nicholas  
MILLER, Dervan Johnathan  
PERSAD, JADEE NIHAARIKAA NIRUPAA  
STEPHENSON, William St.Jose  
TAYLOR, Justin Mark  
TURNER, Terrain George  
WIGGAN, Stephan Alexander

## **Electronics Engineering**

BROWN, Devauny Ackeenno  
CAMPBELL, Alick Alfanso  
CLARKE, Kai Mycah  
CROSDALE, Kitana Gabriela  
DEANE, Nicholas Andrew Neville  
DIXON, Romaine Carlton  
HANSON, Courtney-Ann Candese  
ISLES, Daryl Patrick  
JOSEPHS, Jolly Fitz-Morris  
MADDEN, Jordan Alexander  
MCCONNELL, Joel Audley  
PHILLIPS, Kurt-Patrick Earl  
STEWART, Christopher St. Michael

**Faculty of Engineering  
Awards  
2020**

*Engineering awardees are selected based on their performance in the preceding academic year and for their participation in International Competitions such as the IEEE.*



# ENGINEERING AWARDS 2020

## LEVEL I

ANDERSON, Nile Emelio	Electronics Engineering
LAHEJA, Ganga Naresh	Civil Engineering
MEGGO, Daniel Stephen	Biomedical Engineering
MILLER, Dervan Johnathan	Electrical Power Engineering

## LEVEL II

CAMPBELL, Alick Alfonso	Electronics Engineering
DAVIS, Shelloy Shadeed	Electrical Power Engineering
MCPHERSON, Ashley Amanda	Civil Engineering
MELLISTON, Shanae Olivia	Biomedical Engineering

## GRADUATING CLASS OF 2020 FIRST CLASS HONOREES

BROWN, Joel Jahleel	Electrical Power Engineering
BOWES-MORRISON, Jodie Alyssa Rhianna	Electrical Power Engineering
BROWN, Tavar Ryan	Electronics Engineering
HAYLES, Jordon Joseph	Electrical Power Engineering
JAGROO, Bhumeswar Shivraj	Civil Engineering
JULAL, Danelle Ariane	Electronics Engineering
MUSSINGTON, Telica Torsheer Dannielle	Civil Engineering
RIMANN, Jason Fritz	Civil Engineering
SHAW, Justine Alexi Ramone	Electronics Engineering
STANLEY, Elizabeth Stephanie Alexandra	Civil Engineering
SWABY, Joshua Alexander	Civil Engineering
TRENT, Ronald Roderick Marc	Civil Engineering
TULL-CLARK, Moya Mkaleh	Civil Engineering
WRIGHT, Jordan Anthony	Electrical Power Engineering



## FACULTY OF ENGINEERING

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