



FACULTY OF
ENGINEERING



NEWSLETTER

Volume 1

JANUARY 2021

Welcome

Welcome to the first issue of the Faculty of Engineering, Mona newsletter. In addition to our website (www.mona.uwi.edu/engineering), this newsletter is our way of letting you know the activities of the Faculty and highlighting the achievements of our valued students and staff.

In this issue, we highlight the activities of the Faculty during August to December 2020. During this period, Engineering made significant strides through a range of initiatives and activities.

Message from the Dean

The Faculty of Engineering, Mona would like to welcome all new and returning students for the second semester of the 2020/2021 Academic Year. In recent time, the Covid-19 pandemic has changed life dramatically for all of us. The safety of our students and staff are our utmost priority, so The UWI has continued administering teaching remotely using online platforms. To keep up with the changing dynamics of the current pandemic, our faculty, staff and administrators are in constant contact via online platforms, working diligently to ensure our students' success here at The UWI. Before long, life will return to normal, in the meantime we encourage everyone to remain positive.

We are happy to highlight that the BSc Electronics Engineering programme has received ABET International Accreditation and is now among the 4,144 programmes accredited by ABET, globally. The Faculty of Engineering is proud to be the only Faculty with an ABET accredited programme in Jamaica. All other engineering programmes within the faculty are currently being revised and will be submitted to ABET for similar accreditation.



Adrian Lawrence, PhD, P.E.;
Dean, Faculty of Engineering, Mona

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UWI Mona Faculty of Engineering retains ABET Accreditation for Electronics Engineering

The Bachelor of Science in Electronics Engineering offered by the Faculty of Engineering (FoE) at The University of the West Indies Mona, has retained its full accreditation by ABET. This follows program evaluations conducted during the 2019-2020 accreditation cycle by the Engineering Accreditation Commission (EAC) of ABET.

ABET is the premier global accreditor of college and university programs in applied and natural science, computing, engineering, and engineering technology. ABET currently accredits 4,144 programs in 812 colleges and universities across 32 countries.

ABET accreditation assures that programs meet standards to produce graduates ready to enter critical technical fields that are leading the way in innovation and emerging technologies, and anticipating the welfare and safety needs of the public.

Commenting on the accreditation renewal, Dean of the Faculty, Dr Adrian Lawrence, stated that the US-based ABET accreditation, gives the Mona Engineering graduate global appeal, he stated that “the renewal affirms the high quality of the Faculty’s programs. We remain committed to produce graduates who are disruptive innovators to be “game changers” for economic expansion and sustainable development for the Caribbean Region.”

Dr Lawrence further noted “ABET accreditation assures our constituents that the UWI Mona Faculty of Engineering programs are subject to a systematic process of continuous improvement and therefore meet the quality standards of the profession for which our graduates are being prepared” which he concludes “provides a natural alignment with the University mission, to advance learning, create knowledge and foster innovation for the positive transformation of the Caribbean and the world. ”

The BSc, Electronics Engineering program is accredited up to September 30, 2024 and will be eligible for a reaccreditation review in the ABET 2023-2024 accreditation cycle. The Faculty will submit a Self-Study Report to ABET July 2023. This submission will also include a request for the review of the Civil Engineering and Electrical Power Engineering programs towards accreditation.

ABET Criteria

Developed by technical professionals from ABET’s member societies, ABET criteria focus on what students experience and learn. ABET accreditation reviews look at program curricula, faculty, facilities, and institutional support and are conducted by teams of highly skilled professionals from industry, academia, and government with expertise in the ABET disciplines.



Engineering
Accreditation
Commission



Scholarship Awards for 2020/2021

Scholarships made to students of the Faculty of Engineering, are funded through generous contributions made by our alumni, industry partners and friends of the University of the West Indies, Mona. This year's scholarship awards were :

- ◆ The Ministry of Education, Youth and Information (MoEYI) scholarship.
- ◆ The New Fortress Energy scholarship award of US\$5,000.
- ◆ Caribbean Catastrophe Risk Insurance Facility (CCRIF) award to level III Civil Engineering students with outstanding balances who have attained a GPA of 3.0 or higher.
- ◆ The HJ Fenton Memorial scholarship award to one level I Electrical Power Engineering student to cover university fees and other associated costs.
- ◆ Elaine Bryan Foundation (EBF) award of three laptop computers.

The Faculty of Engineering, Mona is very appreciative of the generous contributions that help ease the financial burden of many of our engineering students, and would like to thank this year's donors.

New Fortress Energy

New Fortress Energy has increased its annual tertiary scholarship programme from over \$10 million last year to now over \$18.8 million.

Verona Carter, VP at New Fortress Energy said; "We believe education is a fundamental right and we at NFE, through the vision of our founder, Wes Edens, are providing access to the necessary resources for these future leaders, innovators and entrepreneurs to thrive and flourish in fulfilling their highest potential. With education being the cornerstone of sustainable economic development, we are committed to supporting Jamaica on its journey to nation-building."



L-R: FOE Dean Dr. Adrian Lawrence, fourteen awardees and Pro Vice-Chancellor and Principal of The UWI Mona Campus, Professor Dale Webber UWI Mona at the handing over of JA\$18,825,791.60 for the New Fortress Energy scholarship award.

The UWI receives US\$250,000 towards student scholarships from CCRIF SPC

On November 26, 2020 CCRIF SPC (formerly The Caribbean Catastrophe Risk Insurance Facility) presented a cheque for US\$250,000 to The University of the West Indies (The UWI) for tuition scholarships for students in need of financial support.

Approximately US\$108,000 of the funds are already allocated to undergraduate and post-graduate scholarships for the first semester of the 2020/21 academic year. This is comparable to the total amount traditionally contributed by CCRIF for merit scholarships on an annual basis since 2010. The remaining US\$142,000 will cover the tuition fees of students, who due to the COVID-19 pandemic are finding it difficult to pay tuition and are at risk of not completing their studies. This financial support is part of the CCRIF SPC's COVID-19 response geared towards supporting its members and other key stakeholders.

According to CCRIF Board Member, Sandra Bailey, "Since 2010, CCRIF has provided The UWI with over 70 scholarships totaling US\$761,230. CCRIF continues to view its investments in scholarships as critical to building a cadre of individuals who possess the knowledge and skills to advance the resilience of the small island and coastal states of our region." According to Mrs. Bailey, "During this pandemic CCRIF has both leveled up and pivoted to ensure that our members and key stakeholders are able to better confront and address the many challenges posed by climate change and COVID-19, with The UWI being one such partner."

Professor Dale Webber, Principal of The UWI Mona Campus and Pro Vice-Chancellor with responsibility for Climate Change and Disaster Preparedness, signaled his gratitude for the tuition support for students especially in civil engineering, geography and geology. He asked CCRIF to consider scholarships in actuarial science, computer science and social work as these areas are also critical to strengthening the region's response to disaster management.



L-R: Pro Vice-Chancellor and Principal of The UWI Mona Campus, Professor Dale Webber; President of The UWI Mona Campus Guild of Students, Sujae Boswell, University Registrar Dr. Maurice D. Smith; CCRIF Scholar; Elizabeth Emanuel, CCRIF Technical Assistance Manager and CCRIF Corporate Communications Manager; and Mrs. Sandra Bailey, CCRIF Board Member at the handing over of US\$250,000 for UWI Scholarships and tuition support.

About CCRIF SPC

CCRIF SPC is a segregated portfolio company, (SPC) owned, operated and registered in the Caribbean. It limits the financial impact of catastrophic hurricanes, earthquakes and excess rainfall events to Caribbean and Central American governments by quickly providing short-term liquidity when a parametric insurance policy is triggered. It is the world's first regional fund utilizing parametric insurance, giving member governments the unique opportunity to purchase earthquake, hurricane and excess rainfall catastrophe coverage with lowest-possible pricing.

KEEP OUR
COMMUNITY
SAFE

Reduce your risk of **coronavirus** infection:



Clean hands with soap & water
or alcohol-based hand rub

Cover nose and mouth when coughing and
sneezing with tissue or flexed elbow



Avoid close contact with anyone with
cold or flu-like symptoms

Thoroughly cook meat and eggs



No unprotected contact with live wild
or farm animals



World Health
Organization

STOP THE
SPREAD

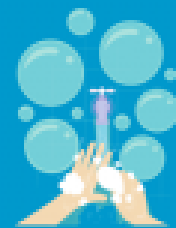
Protect others from getting sick

Cover mouth and nose with
tissue, sleeve or elbow when
coughing or sneezing



Throw tissue into closed bin after use

Clean hands after coughing or
sneezing and when caring for
the sick



World Health
Organization

The Faculty of Engineering responds to Covid-19



Dr Paul Aiken (left), CEO of Mona-Tech Engineering Services Ltd. and engineer Dontae Rodney conducting repairs to ventilators and other medical equipment for the public health sector at The University of the West Indies, Mona Faculty of Engineering.



Justine Shaw – Electronics Engineering student , demonstrates the functioning of her final year project; a vehicle pass mobile application and near-field communication (NFC) reader.

Engineering answers Covid-19 call

The Faculty of Engineering joined the fight against the Coronavirus (COVID-19) pandemic, through its final year student projects and commercial arm; Mona-Tech Engineering Services.

Its activities were propelled by its students under the astute guidance of student leaders and faculty.

Dr. Paul Aiken; Director of Mona-Tech Engineering Services, along with a team which included Engineering staff and students, conducted biomedical repairs on University Hospital of the West Indies' (UHWI) ventilators and patient monitoring systems. This team also effected repairs to a QIAcube machine, a sample processing instrument capable of conducting mass testing of Covid-19 samples.

STUDENT SPOTLIGHT



Danelle Julal—B.Sc. Electronics Engineering (left); receiving the award for the most outstanding Jamaican Engineering student, UWI at the JIE Awards Dinner & Gala on Saturday, November 21, 2020 .

Students making strides

The Jamaica Institution of Engineers (JIE) hosted its premier annual event; the JIE Awards Dinner & Gala on Saturday, November 21, 2020 under the theme, “Engineering a Sustainable Jamaica”.

A presentation was made to “The Most Outstanding Jamaican Engineering Student” from the University of the West Indies, Mona (UWI). This selection of the most outstanding student was made from the graduating class for 2020 from the UWI, Mona.

ALUMNI HAPPENINGS

Alumni to follow

Yekini Wallen-Bryan,
B.Sc. Electronics Engineering



Yekini Wallen-Bryan; CEO, PreeLabs Ltd.

More than 3,000 three-dimensional (3-D) face shields have been donated to the public healthcare sector since the onset of the coronavirus (COVID-19) pandemic in Jamaica, through PreeLabs Limited, an automated solutions and product development company headed by young entrepreneur, Yekini Wallen-Bryan.

In a bid to aid Jamaica in tackling the crisis, the 26-year-old Chief Executive Officer (CEO), along with four other innovative young persons that he has employed, brainstormed to come up with solutions to some of the challenges that the Covid-19 crisis has brought with it.

Staff Spotlight

Mr. Shavon Hutchinson has been elected as the 2021-2022 Incoming Community Service and Service-Learning Functional Area Chair, of the American College Personnel Association (ACPA) Commission for Student Involvement.

This position will take responsibility for the following:

- ◆ Serve as a catalyst for the meaningful exchange of ideas and resources among Commission members throughout the year, specifically those interested and involved in the area of Community Service/Service-Learning.
- ◆ Promote the development of hands-on service-learning programs and roundtable discussions relevant to Community Service/Service-Learning at the Annual Convention.
- ◆ Serve as an ambassador for the Commission, to professional associations such as HENCE, Campus Compact, and BreakAway. Stay abreast of their activities, seek opportunities for collaboration, and promote to members.
- ◆ Serve as a liaison for the Commission, to programs such as the ACPA Symposium on Service-Learning.

Shavon has a keen interest in student development and leadership and is also a recipient of the Prime Minister's Youth Award (2017) and the Canada-CARICOM Faculty Leadership Scholarship (2017).



Mr. Shavon Hutchinson; Administrative Assistant II and Master of Education candidate in Educational Psychology at The University of the West Indies, Mona.

The Commission for Student Involvement strives to create an engaged and supportive community of Student Affairs professionals committed to providing meaningful co-curricular and curricular experiences for today's college student.



**Technical
Session Chair**



Dr. Rakhee
University of the West Indies
West Indies

Dr. Rakhee; Lecturer in Electronics Engineering; chaired a Technical Session of the 2nd International Conference on Computing Science, Communication and Security (COMS2-2020) organized by the Ganpat University, Gujarat, India.

MES Upcoming Events

Elvisovara Francis and Alexandra

Myrie - Cultural and Entertainment Affairs Chairpersons

- ◆ Corporate Mingle: "Crème de la Crème" on February 27, 2021

Overview:

The corporate mingle allows students of the Faculty of Engineering to engage with professionals in the field. The event will allow students to mingle with industry personnel and converse about current and future job opportunities.

Ashley McPherson - Vice President of Internal Affairs

- ◆ Next S.T.A.G.E. (Scholarship, Transition and General Employment) on March 4, 2021

Overview:

The Next S.T.A.G.E. will be hosted by the VP of Internal Affairs, Ashley McPherson, in collaboration with the Faculty of Engineering and F.O.E. Alumni Association with the primary target of this event being current engineering students in need of financial assistance. This event will also be extended to sixth form students interested in pursuing Engineering at the University of the West Indies, Mona.

- ◆ A Scholarship Database

Overview:

A database that shows a list of scholarships available to students at all Engineering Levels.

Mona Engineering Society (MES) Corner

Calista Wolliston - Biomedical Engineering Representative

- ◆ introduced and aided in the formation of the Biomedical Engineering Society (BMES). It's aim is to educate Biomedical Engineers on the many opportunities available to them, connect with other Biomedical engineers and provide a safe community for them to thrive.

Ashley McPherson - Vice President of Internal Affairs

- ◆ Spearheaded the Sibling Program for Engineering students
- ◆ Organized the launch of clubs for the academic year and facilitated an arrangement for an efficient and fair method of club meetings for all clubs.

Nile Anderson - President

- ◆ Through creative methods; successfully improved communication of the different notices and events to executive members and the Faculty.
- ◆ Introduced the National Society of Black Engineers to the Faculty and coordinated events with them and other companies abroad.
- ◆ Advocated for Mental Health and introduced a campaign to speak about Mental Health Awareness with Presidents of Engineering Societies at other Universities in Jamaica, along with experts in the field.
- ◆ Created a resource drive with Jadee

Persad for students at all levels within Faculty of Engineering, Mona.

- ◆ Aid in the recruitment of committee members for each executive member by creating an application with Kai Clarke to attain all the records needed from students who wished to join.

D'andra Holness and Okeno Donaldson - Games Committee Chairperson

- ◆ Created Engineers Got Talent
- ◆ Created the Fantasy Football Premier League.

Jadee Persad - Electronics Engineering Representative

- ◆ Orchestrated and facilitated a games night for all Electronics Engineering students

Kai Clarke—Secretary

- ◆ Created a Secretary Task Force to aid the members of the executive with recording and transmission of information efficiently and effectively.
- ◆ Created a common application with Nile Anderson, to aid in the recruitment of committee members for each executive member



FACULTY OF ENGINEERING

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.

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	

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

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To keep up to date on happenings in the Faculty of Engineering, Mona please feel free to visit our online platforms:

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 @MonaEngineeringSchoo

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