



**THE UNIVERSITY
OF THE
WEST INDIES**
ST. AUGUSTINE CAMPUS

Post-Conference Highlights of The Fifth Industrial Engineering and Management Conference 2022

Faculty of Engineering, The University of the West Indies, 4th – 5th November 2022

The Fifth Industrial Engineering and Management (IEM5-2022) Conference, with the theme “*Emerging Research and Practices in Engineering Resilience and Management*” being the centre for discussions, was held on 4th-5th November, 2022. 'Resilience' is the ability to recover from setbacks, adapt well to change, and keep going in the face of adversity. The conference offered a platform for researchers and practitioners from different disciplines to share impactful and use-inspired research on a range of topics including the lessons learned from the pandemic and ideas shaping the post-pandemic world.

The IEM5-2022 Conference was hosted by the Department of Mechanical and Manufacturing Engineering (MME), Faculty of Engineering of The University of the West Indies (UWI), in collaboration with local, regional and international engineering organisations including The Society of Caribbean Industrial Engineers (SCIE), The Institute of Electrical and Electronic Engineers Trinidad and Tobago Section (IEEEtt), The Institution of Engineering and Technology (IET) Trinidad and Tobago Local Network, The Association of Professional Engineers of Trinidad and Tobago (APETT), The Board of Engineering of Trinidad and Tobago (BOETT), and Caribbean Academy of Sciences (CAS).

Sponsorships were received from The UWI-Campus Research and Publication Fund, The Institute of Electrical and Electronic Engineers Trinidad and Tobago Section, The Trinidad and Tobago Network Information Centre (TTNIC), and The Office of Project Management Programme of the Faculty of Engineering, UWI.



Professor Edwin I. Ekwue, Dean of Faculty of Engineering delivered a Welcome Address at the Opening Ceremony of the Conference



Dr. Graham S. King (Left), The MC of the IEM5-2022 Conference Opening Ceremony, presented a plaque to Professor Emeritus Stephan G.J. Gift (Right), who made a Feature Address.

A total of 36 contributions (including keynote presentations) have been submitted to this Conference of which 28 have been selected after a rigorous review process for presentation. These encompassed the work carried out by researchers, scientists, professionals, and practitioners from a wide range of institutions, government and non-government organisations from within Trinidad and Tobago, the Caribbean region and other countries including Jamaica, Guyana, Germany, and the USA.

On 4th November 2022 (Day 1), the opening ceremony was held at the Faculty of Engineering. In attendance were some key speakers including **Professor Edwin I. Ekwue**, Dean, Faculty of Engineering, UWI; **Professor Emeritus Stephan G.J. Giff**, Former Pro Vice Chancellor, Graduate Studies and Research, UWI, T&T, **Dr. Jacqueline Bridge**, Chairman, Conference Organising Committee; **Professor Kit Fai Pun**, Chair of the Conference's Technical Sub-Committee.



Mr. Devon Oudit, Managing Director of Ansa McAL Chemicals, T&T, made the second Keynote Speech at the Opening Ceremony of the Conference



A Discussion Forum was organised, with members (from left to right) including Dr. Tagore Ramlal (IET Local Network), Dr. Ruel Ellis and Dr. Jacqueline Bridge (MME Department), Dr. Damian St. Jude Graham (SCIE), and Emeritus Stephan G.J. Giff, UWI

The Conference proceeded with three sessions of *Sub-themes I: Fostering Engineering Resilience Practices, II: IE Career and Resilience Related Research, and III: Managing Engineering Resilience in Healthcare and Gender*. A total of 15 presentations made by invited speakers, including **Dr. Tagore Ramlal** (Vice Chair, IET Local Network), **Ms. Tiff Cremer** (Senior Manager at Amazon, Electric Vehicle Infrastructure, Washington, USA), **Professor Raymond C. Jagessar** (President, Caribbean Academy of Science), **Ms. Amrika K. Ramjewan** (Principal Strategist, Mayo Clinic Innovation Exchange, Jacksonville, FL, USA), **Ms. Lisa M. Nordan** (Senior Program Manager, Strategic Alliances, Mayo Clinic, Jacksonville, FL, USA), **Dr. Damian St. Jude Graham** (President, The Society of Caribbean Industrial Engineers), along with other researcher and practitioners.

Facilitated by **Professor Kit Fai Pun**, Professor of Industrial Engineering, Faculty of Engineering, UWI, a Discussion Forum was also organised to enhance views sharing among the participants and a panel of invited academia and industry practitioners, on the agenda addressing the theme of the Conference. The panel members included **Dr. Tagore Ramlal**, (IET Local Network), **Dr. Ruel L.A. Ellis**, Coordinator, Project Management Programme, UWI, **Dr. Jacqueline Bridge**, Head, MME Department, UWI, **Dr. Damian St. Jude Graham**, President, SCIE, and **Emeritus Stephan G.J. Giff**, Former Pro Vice Chancellor, UWI.

An Evening Reception was hosted by the Faculty of Engineering and The MME Department, incorporating an official launch of the Industrial Engineering and

Management Journal and an IE Prize Award Ceremony, at the Design Office 3 of the Faculty of Engineering, UWI.

On Day 2 (5th November 2022), the Morning Session was officiated by **Dr. Terrence R.M. Lalla**, and addressed by **Professor Kit Fai Pun**. The programme was incorporated the 14th Public Seminar (PM14) on a Sub-theme of "*Project Management Practices in the Caribbean*", a keynote speech by **Mr. Brion Hurley** (Lean Six Sigma Master Black Belt, Iowa USA) and four invited presentations were made.



Dr. Terrence R.M. Lalla, chaired a hybrid session with participants and invited speaker, Mr. Brion Hurley, Lean Six Sigma Master Black Belt, Iowa USA, on Day 2.



Dr Jacqueline Bridge, Head MME Department, presented a plaque to Ms. Stacey Feveck, Project Consultant (Contractor), T&T, who made a Presentation at the PM14 Seminar/Session.

Dr. Cilla T. Pemberton, chaired the Afternoon Session with a *Sub-theme V: Managing Engineering Resilience II: Lessons and Cases*. A keynote speech was made by **Mr. Andre Jun** (Publishing Relationship Manager, Emerald Publishing Limited, Latin America and the Caribbean, Brazil). Presentations of seven technical papers were carded in this session.

Over 100 participants including invited guest speakers, engineers, industry practitioners, academics and students attended the Conference in various sessions and different parts of Conference (including the pre-Conference Lean Six Sigma Yellow Belt Workshop, IE professional Networking event, and the PM14 Seminar).

On behalf of the Organising Committee, we gratefully acknowledge our colleagues, graduates, students, researchers, and practising engineers and professionals from industry, as well as other organisations who have made this Conference possible with their participation, research work and written contributions. Special thanks go to the Conference Secretariat and Planning Sub-committee, particularly **Dr. Cilla T. Pemberton**, **Ms. June Charles-Noray** and **Ms. Nikesha James** of the MME Department, for their support to the Conference.

Prepared by:
Professor Kit Fai Pun
for the IEM5-2022 Conference Organising Committee

Dated: 12th November 2022