

**COLLEGE OF ENGINEERING
NATIONAL UNIVERSITY - MANILA**

Hosting of educational events at the university that are open to the general public

The 3rd Research Forum and Exhibition on Environmental Sustainability and Technologies - REFOREST 2022 was held virtually via Microsoft Teams on July 15, 2022, from 9 AM to 5 PM, this groundbreaking event showcased cutting-edge ideas and solutions for a greener future.

The morning session kicked off with the dynamic **Student Design Colloquium**, where budding innovators shared their creative visions and groundbreaking projects aimed at preserving our planet's precious resources.

As the day unfolded, the excitement continued with captivating **Plenary Talks** during the afternoon session. Renowned experts took the virtual stage, offering insights and inspiration on the latest advancements in environmental sustainability and technology.

REFOREST 2022 is proud to present a distinguished lineup of plenary speakers, each equipped with invaluable insights and expertise essential for navigating the complexities of our rapidly evolving world. From groundbreaking solutions to address environmental challenges to strategies for cultivating sustainable growth, our speakers are primed to deliver enlightening discussions to a diverse audience comprising students, academics, designers, researchers, and professionals.

As we embark on this collective journey towards a greener future, the NU-Manila College of Engineering, in collaboration with PICE - National University Student Chapter and PSSE - National University Student Chapter, extends a warm invitation to the NU Philippines community to join us and actively engage in these vital conversations.

“The Role of Engineers in Building a Safer World”

Dr. Zaki Yamani bin Zakaria

Dr. Zaki championed engineering education. From 2014 onwards, he actively participated in engineering education, focusing on Active Learning (AL), Cooperative Learning (CL), and Problem-Based Learning (PBL). He served as a co-trainer and facilitator in these areas since 2017. In 2021, Dr. Zaki took part in the Safety Champion in Engineering Education (SCEE) event organized by the Royal Academy of Engineering (RAE) in the UK. He also served as an Editor for the ASEAN Journal for Engineering Education (AJEE). Throughout his career, Dr. Zaki emphasized his eagerness to explore the development of engineering identity among engineering students.

REFOREST 2022

SUSTAINABLE ENGINEERING SOLUTIONS TOWARD COMMUNITY RESILIENCE

July 15, 2022 | 8:00 AM TO 5:00 PM via MS Teams



Topic:

“The Role of Engineers in Building a Safer World”

Dr. Zaki Yamani Bin Zakaria

*Director, Centre for Engineering Education
Editor, ASEAN Journal of Engineering Education*

*Universiti Teknologi Malaysia,
Johor Bahru, Malaysia*



NATIONAL UNIVERSITY
COLLEGE OF ENGINEERING



Facebook Link: [ZAKI ZAKARIA](#)

“AI techniques for Engineering Sustainable Solutions.”

Prof. Kathleen B. Aviso

Prof. Aviso was awarded the 2020 Dr. Michael Purvis Awardee for Sustainability Research and serve as the Dean of the Gokongwei College of Engineering at De La Salle University, Manila, Philippines. She has been recognized as one of the leading scientists in her field, both locally and internationally. Her research focuses on developing decision support tools for environmental decision-making, particularly in designing systems such as eco-industrial parks and low-carbon energy systems. Currently, she holds the position of executive editor for the Journal of Cleaner Production and serves as an editor for the South African Journal of Chemical Engineering, among other journal publication engagements.

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Topic:
"AI Techniques for Engineering Sustainable Solutions"

PROF. KATHLEEN B. AVISO

2020 Dr. Michael Purvis Awardee for Sustainability Research

*Dean, Gokongwei College of Engineering
De La Salle University, Manila, Philippines*



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Facebook link: [KATLEEN AVISO REFOREST](#)