Abstract

Within the general framework of enhancing sustainability, the keynote speech considers different aspects aimed at the engineering a sustainable future with emphasis on the following:

1. The urgency of sustainability and sustainable design thinking in engineering:

    - Discuss global challenges such as climate change, resource depletion, and environmental degradation.

    - Emphasize the critical role of engineers in finding sustainable solutions to address these challenges.

2. Innovations in sustainable engineering:

    - Showcase successful examples of sustainable engineering projects around the world.

    - Highlight advancements in renewable energy, green infrastructure, circular economy practices, and eco-friendly materials.

3. Integrating sustainability into engineering education:

    - Emphasize the need for a paradigm shift in engineering education to prioritize sustainability.

    - Discuss curriculum changes, interdisciplinary approaches, and real-world projects that expose students to sustainable engineering practices.

    - Encourage collaboration between academia and industry to bridge the gap between theory and application.