

Editorial: Introducing the FIU Engineering Review

It is with great pride that we present the inaugural issue of the *FIU Engineering Review*, a peer-reviewed, open-access journal sponsored by the Engineering Research Society at Florida International University. This publication was established to meet a growing need: a need for a platform that brings together rigorous research, interdisciplinary thinking, and a shared commitment to advancing the engineering profession.

As the **first engineering research journal at FIU**, *FIU Engineering Review* marks a significant milestone in the university's ongoing pursuit of academic excellence and innovation. It reflects a collective effort to create space for student-driven inquiry, faculty-led discovery, and collaboration across the full spectrum of engineering disciplines.

We believe in research that is **methodologically sound, technically precise, and intellectually impactful**. We believe in work that is original in contribution, careful in execution, and clear in communication. We believe in engineering that not only solves problems but anticipates them—engineering that responds to current challenges while preparing for those yet to emerge.

This journal is committed to representing the full breadth of engineering disciplines:

We welcome contributions from **civil and environmental engineering**, from **electrical and computer engineering**, from **mechanical and materials science**, from **biomedical research, computer science**, and from fields that cross and connect them all. We publish **original research, technical reports, design projects, literature reviews, and case studies** that reflect innovation, relevance, and scholarly merit.

What distinguishes *FIU Engineering Review* is not merely its open-access format or its interdisciplinary scope. Rather, it is the principle that guides it: that research should be **accessible, inclusive, and meaningful**—to students, to faculty, to industry professionals, and to the broader public.

This is the beginning of a scholarly platform built on collaboration, excellence, and intellectual integrity. To our readers, we invite your critical engagement. To our authors, we invite your best work. To our reviewers, we thank you for your service. And to the broader engineering community, we extend an open invitation: share your research, share your questions, and help shape the future of this journal.

Asif Alam

Editor-in-Chief

FIU Engineering Review

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