



# IEEE R3 Miami Section

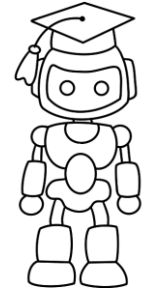
Section Chair Report

Dr. Mst Shamim Ara Shawkat

Assistant Professor

Department of Electrical and Computer Engineering  
Florida International University

# Miami Section Report



## Section Officers:

- Chair: Dr. Mst Shamim Shawkat
- Vice Chair: Dr. Markonderaj Pulugurtha
- Secretary: S M Sajjad Hossain Rafin
- Treasurer: Dr. Elias Alwan and Dr. Osama Mohammed
- Year of Last Election: 2024
- Does Section have separate Bylaws/Operations Manual: N

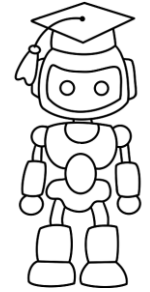
## 2024 Major Successes:

- Successfully organized five Distinguished Lecture Series featuring prominent researchers
- Nominated multiple members for IEEE Senior Membership and Fellow elevation
- Provided support for students presenting their research at major IEEE conferences

## Section Chapters and Affinity Groups:

- Technical Society Chapters and Affinity Groups: Computer Society, EMB18, IAS, PES, Nano42, SSC37, AP03 / MTT17, PHO36 / SEN39, LM, YP, WIE

# Miami Section Report



## Near-Term Plans:

- Exploring the establishment of an IEEE Blockchain Technical Community (BCTC) – Local Group under the Miami Section.
- Organizing professional and technical activities in the coming months.
- Supporting 14 Technical Society Chapters and Affinity Groups in hosting technical and professional events.
- Continuing to organize Distinguished Technical Lectures and Enhancing our social media presence to improve engagement and visibility.

## Challenges and Action Items:

- Volunteer Engagement: Encouraging more professionals and students to participate actively in section activities.
- Industry Support: Seeking sponsorship and partnerships with local industries to strengthen financial and logistical support.

## Recent Meetings and Events:

- Pushing the Boundaries of Computational Electromagnetics 10/16/2024
- Load-Modulated Balanced Amplifier (LMBA) for Emerging Wireless Communications 10/30/2024
- Recent advances in beam-forming techniques and technologies applied to millimeter 12/18/2024
- Grid Energy Storage Technologies and Applications 02/17/2025
- Signal Processing for Integrated Sensing and Communications 02/17/2025
- AI Accelerators, Chiplet Paradigm, and Cryogenic CMOS for Future-Scaled Quantum Computing Systems 03/07/2025