

Indian Institute of Technology (BHU)

Varanasi, 221005

Report on Technical Talk

Name of the Event: "Integrated Circuits for Battery-less Electronics: Starting Cold and Breathing Right"

Date & Time: 22.10.2024 & 12:00 PM (IST)

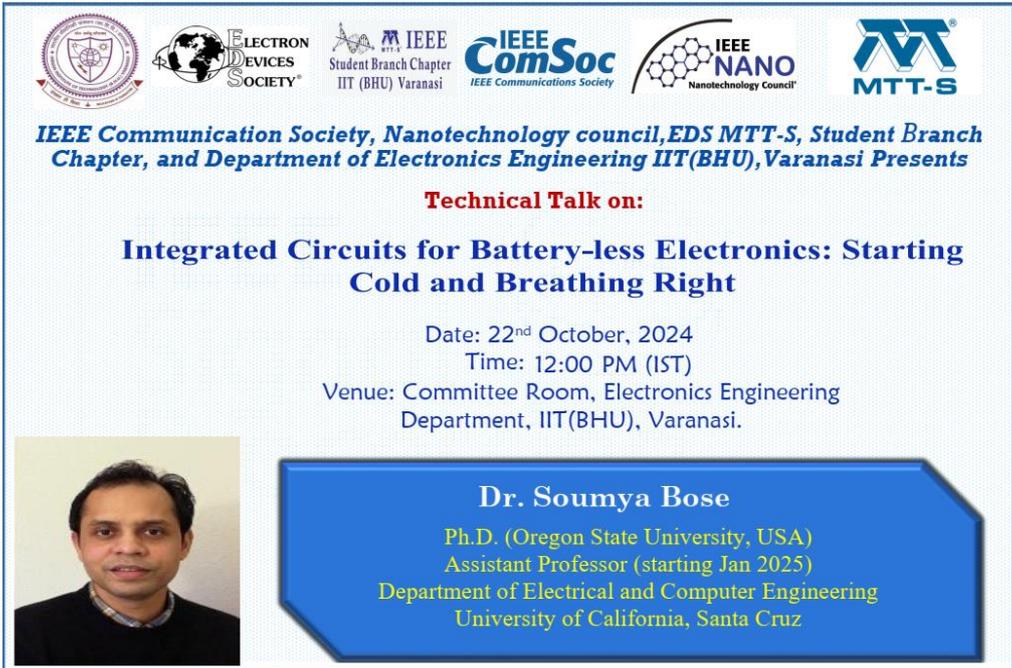
Venue: Committee Room, Electronics Engineering

Organized by: IEEE Communication Society, Nanotechnology Council, EDS, MTT-S Student Branch Chapters, and Department of Electronics Engineering IIT(BHU), Varanasi

No. of Participants: 19 Students + 7 Staffs + 5 non-IEEE members

About the Event

A one-day technical talk on "Integrated Circuits for Battery-less Electronics: Starting Cold and Breathing Right" was organised by the Electronics Department in the Committee Room on Tuesday, 22.10.2024, at the Indian Institute of Technology (BHU). The event commenced with opening remarks by Dr Somak Bhattacharyya (Associate Professor Faculty Advisor IEEE-MTT-s (SBC) Department of Electronics Engineering IIT-BHU), expressing gratitude to the keynote speaker, Dr Soumya Bose, from the University of California, Santa Cruz. Dr Bose shares an insightful presentation that delves into developing battery-less electronic devices that contribute towards the future of sustainable electronic systems. Dr Bose developed a battery-less wearable system for heartbeat detection. The presentation emphasizes energy harvesting techniques for better power management. The event concluded with closing remarks from the organizers, expressing gratitude to the speakers and attendees for their contributions to the technical talk. In a fitting conclusion, we had the honour to have Dr. Satyabrata Jit (Professor, Department of Electronics Engineering IIT-BHU) present a memento of appreciation to Dr. Soumya Bose.



The poster features logos for the Indian Institute of Technology (BHU), Electron Devices Society, IEEE Student Branch Chapter IIT (BHU) Varanasi, IEEE ComSoc (IEEE Communications Society), IEEE NANO Nanotechnology Council, and MTT-S. The text on the poster reads: "IEEE Communication Society, Nanotechnology council, EDS MTT-S, Student Branch Chapter, and Department of Electronics Engineering IIT(BHU), Varanasi Presents Technical Talk on: Integrated Circuits for Battery-less Electronics: Starting Cold and Breathing Right Date: 22nd October, 2024 Time: 12:00 PM (IST) Venue: Committee Room, Electronics Engineering Department, IIT(BHU), Varanasi." A portrait of Dr. Soumya Bose is shown on the left, and a blue box on the right contains his name and affiliation: "Dr. Soumya Bose Ph.D. (Oregon State University, USA) Assistant Professor (starting Jan 2025) Department of Electrical and Computer Engineering University of California, Santa Cruz".

