



Session V: Electronics and Circuit Systems (ECS)

- Venue : Classroom, Atomic Energy Centre, Dhaka
- Time : 17:00 – 18:30
- Chair(s) : Prof. Habibur Rahman, PhD
Dept. of Electrical and Electronic Engineering, University of Dhaka
- : Md. Anzan-uz-Zaman, PhD
Head & Principal Scientific Officer, Robotics Instrumentation and Control
Division, Institute of Electronics, AERE, Savar
- Invited Lecture : **The Future of Semiconductors: Device Innovation Driving the AI
IL-04 Revolution**
- Mainul Hossain, PhD
Associate Professor
Dept. of Electrical and Electronic Engineering, University of Dhaka

Contributory Papers:

Abstract ID	Title	Author Name(s)
ECS01-018	Simulation and Implementation of a Real-Time Color Detection System using ESP32 with Color Sensor and RGB LED	Md. Farhat Anjam, Anika Sultana Anu, Jannat Jarin, Most. Fatematuz Johora Chadni, and Muhibul Haque Bhuyan
ECS02-021	Analytical Modeling and Potential Profile Verification of a P-Type Cylindrical Gate Junction-less Accumulation Mode MOSFET (CGJAMM) with Stack Oxide	Md Nahiduzzaman Roni, Nahian Sadat, and Md Mohsinur Rahman Adnan
ECS03-029	Active control of topological acoustic wave propagation at a super cell interface via non-Hermitian modulation	Md. Shuzon Ali
ECS04-087	FPGA-Based High Performance Low-Cost IC Tester Using GLFSR-Driven Pattern Generation	Mohammad Shawkat Ullah Riaz, Md. Liakot Ali
ECS05-088	Performance Analysis of Transition Metal Dichalcogenide (TMD) Based Transistors Using TCAD	Md. Shafin Rahman, Mahmudul Hasan, Md. Hasibul Islam, and Khairul Alam
ECS06-116	Startup Performance of UAV BLDC Motor Drives using Soft-Start Technique Under Open-Loop Control	Tahid Nur Rahman, A. K. M. Mohitul Hassan, A M Saadnan Tahsin, Muhibul Haque Bhuyan, Md. Kamrul Hassan, Md. Amzad Hossain, and M. M. R. Biswas
ECS07-117	A 400 Hz Multilevel Inverter with Optimized Filter Design for Aviation Application	Wahid Tausif, MD Bayazid, M. M. Hasan, M. M. H. Bhuyan, M. K. Hassan, M. A. Hossain, M. Faruk Hossain and M. M. R. Biswas