



Session IX: Nanotechnology (NT)

- Venue : Classroom, Atomic Energy Centre, Dhaka
- Time : 11:15 – 12:45
- Chair(s) : Engr. Sheikh Manjura Hoque, PhD
Chief Scientific Officer & Head, Materials Science Division
Atomic Energy Centre, Dhaka
- : Prof. Imtiaz Ahmed, PhD
Dept. of Electrical and Electronic Engineering, University of Dhaka
- Invited Lecture : **Orthoferrite Perovskites for Advanced Electrochemical Energy Storage Applications**
IL-08
- Prof. Mohammed Abdul Basith, PhD
Dept. of Physics, Bangladesh University of Engineering and Technology

Contributory Papers:

Abstract ID	Title	Author Name(s)
NT01-005	Field-Free Fast and Energy Efficient Magnetization Switching of Ferromagnetic Nanodevice	Md. Torikul Islam, YaDong Liu, Min Tai, and Xiangrong wang
NT02-066	Pool-Boiling Enhancement of Low-GWP R-1234yf using Al ₂ O ₃ Nanoparticle	Rawnak Tabassum, Nabil Alfarrazi Rachmat, Kosuke Kubota, Edgar Santiago Galicia, and Akio Miyara
NT03-124	Investigation of SrO nanoparticles for water splitting applications	Md. Rishad Ahmed, Tarifuzzaman Riyad, Md. Sabbir Uzzaman Khan, Muhammad Shihab Khan, Nur Hossen Asif, Tusar Saha, Md. Nurul Kabir Bhuiyan, Md. Sarowar Hossain Md. Abdullah Al Nahid, Sheikh Monjura Hoque, Mohammad Jellur Rahman, Md. Alamgir Hossain, and Rezaul K Siddiqui
NT04-159	Detection of Transient Neutral Heavy Metal Atom in Aqueous Solution: A DFT Inquisition	Tamal Chakrabarty and Jahirul Islam Khandaker
NT05-212	Blood-Based Ternary Hybrid Nanofluid Flow with Radiation and Slip Effects in a Porous Sinusoidal Cylinder	Nasrin Sultana, Md. Oliullah, Jahangir Alam, and M.G. Murtaza
NT06-232	Thickness Optimized Angle Insensitive Structural Color Filter for RGB Spectrum.	Zahidul Salman, Sanjana Tajrin, Md. Shariful Islam, and Md Mohsinur Rahman Adnan
NT07-278	Luminescent Down-Conversion in self-powered ZnVO ₂ /CdGa ₂ O ₃ photodetectors	Md. Rabiur Rahaman and M. Azizar Rahman