

Student Conference on Science & Engineering

December 09, 2016, University of Dhaka

Topics of Interest

- **Engineering Fields**
- Robotics & Mechatronics, Automation & Control Systems
- Computer Networking, Communication Systems
- Computer Vision, Image Processing, Pattern Recognition
- Machine Learning, Medical Image Processing
- Bio-informatics, Informatics, HCI
- Remote Sensing & Geosciences
- Biomedical Systems, Applications in Medicine
- Biometrics, Intelligent Transportation Systems
- Vehicular Electro-technology, Cybernetics
- Computational Intelligence, Soft Computing
- Fuzzy systems, Signal Processing
- Renewable Energy, Photovoltaics
- Smart Grid and Sustainable Energy, Nuclear Energy
- Environmental Engineering and Green Technology
- Solar Energy, Wind Energy, Sustainable Bio-Energy, etc.
- Aerospace and Electronic Systems
- Geoscience and Remote Sensing
- Information Theory, Mobile Computing
- Antennas and Wireless Propagation
- Electronics, Electronic Systems
- Electron Devices, Optoelectronics & Photonics
- Circuits and Systems, Industry Application
- Sensors & Embedded Systems
- VLSI, Nanotechnology
- Informatics & IT, Computer & Information Systems
- Multimedia, e-Governance
- Educational Technology, Engineering Education
- Technology's Impacts on Society
- Engineering in Biology & Health Science
- Technology Management, Software Engineering
- High-Performance Low-Power Computing
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- Nuclear and Plasma Sciences & Applications
- Ultrasonics, Ferroelectrics, and Frequency Control

- **Life Sciences**

- **Molecular & cellular biology**

- Cell biology
 - Structural biology
 - Genomics, Proteomics, Bioinformatics
 - **Health & disease**
 - Mechanism of disease development
 - Therapeutics & diagnostics technology
 - Bacteria and Viral Pathogenesis
 - **Environment**
 - Gene function
 - Mendelian genetics
 - Evolution
 - Ecology
 - Study of changes through the life cycle of an organism
 - **Immunology**
 - Aspects of the immune system, including structure & function
 - Disorders of the immune system
 - Immunization
 - Transplantation
 - **Biotechnology**
 - Environment biotechnology
 - Bioengineering
 - Biomaterials
 - Biofuel
 - Food, Plant, Animal, Marine biotechnology

- **Physical Sciences**

- Astronomy
 - Astrometry
 - Cosmology
 - Gravitation Physics
 - High-energy Astrophysics
 - Planetary Astrophysics
 - Plasma Physics
 - Solar Physics

- Space Physics
- Stellar Astrophysics
- Atomic physics
- Molecular physics
- Atomic and Molecular astrophysics
- Chemical physics
- Optics
- Photonics
- Nuclear physics
- Nuclear astrophysics
- Particle astrophysics
- Particle physics phenomenology
- Solid state physics
- High pressure physics
- Low-temperature physics
- Surface Physics
- Nanoscale and Mesoscopic physics
- Polymer physics
- Econophysics
- Engineering physics
- Fluid dynamics
- Geophysics
- Laser Physics
- Materials physics
- Medical physics
- Nanotechnology

- **Environmental Sciences**
 - **Geology**
 - Petroleum Geology
 - Hydro geology / ground water
 - Economic Geology
 - Paleontology
 - Structures & Tectonics
 - Geological Engineering
 - Sedimentology
 - **Disaster Science & Management**
 - Global Warning & Climate Change
 - Environmental Hazards & Disaster Management
 - Waste Management

- **Geography**
- Physical Geography
- Human Geography
- Regional Geography