

International Conference
on
“Innovative Trends in Natural/ Applied
Sciences and Energy Technology for
Sustainable Development”
(ITNASETSD- 2013)

Organized by
“Krishi Sanskriti”

on
27th & 28th July, 2013

Venue:
Jawaharlal Nehru University,
New Delhi

CALL FOR PAPERS AND CONFERENCE THEMES:

The Organizer cordially invites abstracts and full length research papers from all over the World to participate in the **International Conference on “Innovative Trends in Natural/Applied Sciences and Energy Techonolgy for Sustainable Development”**. ITNASETSD - 2013 is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, natural and applied sciences for sustainable development. The conference will bring together leading researchers, Entrepreneurs and Academicians in the domain of interest from around the world. Topics of interest for submission include various subthemes, but are not limited to the conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Scholars for Sustainable Development. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas. All Selected papers will be published in International Journal having ISSN No.

Themes:

Natural/Applied Sciences

- Astronomy
- Chemistry
- Earth sciences
- Environmental sciences
- Physics
- Ecology
- Electrodynamics
- Mathematics
- Mathematics for Chemistry
- Meteorology
- Nuclear Physics
- Geometric
- Algebra Quantum
- Statistics
- Statistical Mechanics
- Computational Physics
- Electromagnetic

- Marine Hydrodynamics
- Mechanical Vibration
- Multibody Mechanics
- Nuclear Fusion
- Physics and Technology
- Optics
- Atomic
- molecular
- and optical physics
- Aeroacoustics
- Engineering Acoustics
- Inorganic Chemistry
- Biochemistry
- Soil Science
- Solar System
- Stellar Astrophysics
- Stellar Scintillation
- String Theory
- Urban Forestry
- VCE Chemistry
- Volcanoes
- Geology
- Paleontology
- Affective neuroscience
- Anatomy
- Biomedical science
- Biochemistry
- Biocomputers
- Biocontrol
- Biodynamics
- Bioinformatics
- Biology
- Biomaterials
- Biomechanics
- Biomonitoring
- Biophysics
- Biopolymers
- Biotechnology
- Botany
- Cell biology
- Cognitive neuroscience
- Computational neuroscience
- Conservation biology
- Developmental biology
- Ecology
- Ethology
- Environmental science
- Evolutionary biology
- Evolutionary genetics
- Food science
- Genetics
- Genomics
- Health sciences
- Immunogenetics
- Immunology

- Immunotherapy
- Marine biology
- Medical devices
- Medical imaging
- Microbiology
- Molecular biology
- Neuroethology
- Neuroscience
- Oncology
- Optometry
- Parasitology
- Pathology
- Pharmacogenomics
- Pharmacology
- Physiology
- Population dynamics
- Proteomics
- Sports science
- Structural biology
- Systems biology
- Zoology

Energy Technology

- Energy resources: Estimation, exploration and exploitation of fossil fuel resources and sustainability
- Energy:- conservation, management, efficiency and storage
- Energy and Exergy Analyses
- Clean coal technology and IGCC, fluidized bed systems
- CO2 Capture and Storage, CO2 and Emission Issues,
- Conventional Energy Power Generation
- Impact of Climate Changes on Energy Systems
- Alternative transportation fuels, sustainable transport
- Combustion system modeling and analysis, clean combustion
- Other renewable energy technologies like small & micro
- hydro, geothermal, ocean thermal, tidal and wave, hydrogen and fuel cells
- Hybrid systems for power, co-generation, water distillation etc.
- Nuclear energy: Availability, Costing, Technologies,
- Environmental impact, safety issues and policies
- Appropriate energy technologies for rural development,
- greenhouse cultivation, renew-able energy in agriculture.
- Energy policy, planning and economics, energy and environmental aspects, laws and treaties.
- HVAC: Alternative refrigerants, renewable energy in HVAC
- Energy system modeling, simulation, thermodynamics and
- Optimization
- Emission, climate change, implementation of emission mitigation Technologies
- Low energy society: Challenges, opportunities and pathways
- Sustainable Development: Roles of societies, Governments, NGOs and entrepreneurs
- Driving investment in power and renewable assets
- Eco-friendly power projects
- Remote sensing of hazard Warnings and mitigation

- Corporate Social Responsibility initiatives for energy management
- Waste to energy and its management

Solar Photovoltaic Devices and Systems

- Solar Energy / bankable solar projects
- Solar thermal technologies
- High and Low Concentrator Systems for Solar Electric Applications
- Solar Hydrogen and Nanotechnology
- Thin Film Solar Technology
- Next Generation (Nano) Photonic and Cell Technologies
- Reliability of Photovoltaic Cells, Modules, Components, and Systems
- Laser Material Processing for Solar Energy Devices
- Organic Photovoltaic's
- Efficient Design for Illumination and Solar Concentration
- Biomass energy, materials and technologies
- Hydro energy, materials and technologies
- Thermodynamic and energy optimization
- Clean energy market and finance
- Energy Harvesting and Conversion
- Energy storage devices and systems
- Fuel cells system and applications

Wind Energy

- Wind Power Development Challenges:- Intermittency, RPS, PPAs
- Wind Credits & Incentives (PTCs)
- Advanced Technologies for Wind Generation
- Managing a Wind Farm
- Connecting Wind to the Grid
- Offshore Wind Power
- Optimizing Wind Power Resources

International Convergence on energy

- International Organization and Energy Convergence
- Transmission Networks and Regional Convergence
- Regional and International Energy Flows
- Energy Diplomacy and National Security
- Global Crisis and Energy-Dependent-Economies

Power Systems

- Deregulation
- FACTS and HVDC
- Evolutionary Algorithm application to Power System
- Power Quality

Power Electronics

- Converter/Inverter Topologies
- Automotive applications
- Power Factor Improvements

Electrical Drives

- Induction Motors
- Reluctance Machines
- Permanent Magnet Machines
- Sensor less control

Electromagnetic Design

- EMI/EMC
- Computational Methods
- High Frequency System Simulation

Power System Engineering

- Power system protection
- Power electronics and drives
- Flexible AC Transmission Systems
- Advanced energy metering, trading and billing

Chemical Engineering and Applications

- Chemical engineering fundamentals
- Physical, Theoretical and Computational Chemistry
- Chemical engineering educational challenges and development
- Chemical reaction engineering
- Chemical engineering equipment design and process design
- Thermodynamics
- Catalysis & reaction engineering
- Particulate systems
- Rheology
- Multifase flows
- Interfacial & colloidal phenomena
- Transport phenomena in porous/granular media
- Membranes and membrane science
- Crystallization
- Distillation, absorption and extraction
- Ionic liquids/electrolyte solutions

Abstract Submission:

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at conferenceinjnu@krishisanskriti.org on or before 20th July 2013. Intimation of Acceptance of Abstract within 24 to 48 hrs of submission time.

Submission of Full Length Research Paper

Full length research paper, maximum in 4 pages should be submitted by 22nd July 2013 through email at - conferenceinjnu@krishisanskriti.org Submission of Registration fees latest by 23rd July 2013.

Accommodation

Free one day Accommodation will be available to the limited no. of out station non N.C.R. Delegates at JNU guest house and nearby other guest houses/hotels around conference venue. The Tariff rate for next day and subsequent day accommodation is as follows: Double-bed Room @ Rs.800/- per person (Indian non N.C.R. delegates) and 50 USD for Foreign delegates on sharing basis per day (check out time noon to noon). To and fro transportation facility from guest house to the conference Venue will be provided by the organizer.

NOTE: In case Research article is accepted by the editorial committee it will be published and released on the day of conference in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and published copy along with certificate will be dispatched to his/her correspondence address by post just after the conference at no extra cost. **All communication should be by e-mail/online only (no hard copy is required to be posted).**

Registration

The participants are requested to register by sending the duly filled Registration form through e-mail along with their research paper and registration fees (**through NEFT and Online Transfer**)

Bank Details mention below for NEFT / Online Transfer.

Beneficiary Name : Krishisanskriti
Bank Name : Canara Bank
Bank Address : Jeet Singh Marg, New Delhi
Account No. : 1484101026988
Account Type : Savings
IFSC Code : CNRB0001484
Swift Code- : CNRBINBBID

Registration Charges:

Categories	Indian Delegates	SAARC/ African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	3500 INR	100 USD	250 USD
Research Scholars(Ph.D) / NGO	3000 INR	75 USD	200 USD
Students(B.Tech/ M. Tech/ M.Sc etc)	2500 INR	60 USD	150 USD
Printing of Additional Page in Proceeding	300 INR	15 USD	20 USD
Listener / Accompanying Member(only Indian Delegates)	1000 INR	**	**
Journal & Certificate (additional copy) for Co-Authors (if required)	500 INR	25 USD	50 USD
Only Certificates (Co-Authors)	200 INR	10 USD	15 USD
Additional Research paper for same authors	1000 INR	30 USD	50 USD

****Foreign Participants as listener are not allowed, only authors from foreign country/countries will be allowed in this conference.**

Mandatory steps to be followed:-

1. In case of multi authored research paper, at least one Registration is mandatory.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
3. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.

For further information and Latest Updates, Write us at

“conferenceinjnu@krishisanskriti.org”

**Or
visit our**

Website<http://internationalconferences.bravesites.com>

<http://www.krishisanskriti.org>

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