INTERNATIONAL CONFERENCE

On

Multidisciplinary Research & Practice in "Mechanical, Material Science, Structural, Automotive, Aerospace and Nano-Technology"

(MANT-2017)

Organized by

"Krishi Sanskriti Publications"

On

4th November, 2017

Venue:

Jawaharlal Nehru University,

New Delhi-110067

Call for Papers and Conference Themes

The Organizers cordially invites Abstracts and Full Research Papers for oral/poster presentation from all over the world to participate/present and publish their research papers in the ***International Conference on Multidisciplinary Research & Practice in "Mechanical, Material Science, Structural, Automotive, Aerospace and Nano-Technology" (MANT-2017)*** on the following scientific areas for presentations and discussions thereafter.

These technological subjects are emerging and promising discipline in shaping future research and development activities in both Academia and Industry. The conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Academia, Industry, Research Scholars, Scientists, Entrepreneurs and N.G.O. for sustainable growth of the society. 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 in print version as well as online version and that will be likely to be released on the day of conference.**

Topics of interest for submission include, but are not limited to:

- Adsorbent materials
- Advanced Oxidant
- Advanced Structural Materials
- Advanced Textile Materials
- Biological medical materials
- Bridge Engineering
- Concrete Structures: Analysis, Design, and Construction
- Control of Structures
- Earthquake Engineering
- Electronic Materials
- Energy and Environmental Materials
- Environmental Mechanics
- Exchange Resin
- Fatigue and Fracture Mechanics
- Fluid Mechanics
- Function test and evaluation technology for material analysis
- Functional Materials
- Green Materials
- Health and Biological Materials
- High Performance Materials
- High-rise Building Structures
- Hybrid Composites for Solving Ecological Issues
- Hybrid Optical materials (organic/inorganic)
- Inorganic Materials
- Large-span Bridge Structures
- Laser Processing Technology
- Low Cost Packaging Methods
- Magnetic Materials
- Magnetism and Magnetic Materials
- Materials and Reagents for treatment of water, wastewater and excess
- Materials Chemistry
- Materials for Corrosion Control and Scale Inhibition
- Materials for Energy Conversion and Storage
- Materials for Environment Preservation, Energy Saving and New Energy
- Materials Forming
- Materials Machining
- Nanotechnology and Materials
- New Functional materials
- Novel Hybrid Structural Systems
- Photocatalysts and Their Carriers
- Plasticity Mechanics
- Polymer Materials
- Processing technology for Functional materials
- Quantum modulation based on superconductors, semiconductor and magnets
- Recycle and Reuse
- Reliability and Durability of Structures
- Road and Railway Engineering
- Semi-conductor Materials
- Smart/Intelligent Materials/Intelligent Systems
- Solid Mechanics
- Steel Structures: Analysis, Design, and Construction
- Structural Condition Assessment
- Structural Dynamics and Vibration

- Structural Optimization
- Structural Rehabilitation, Retrofitting and Strengthening
- Structural Wind Engineering
- Surface Engineering/Coatings
- The Fundamentals of Mechanics and Research Methods
- Theoretical Mechanics
- Thermodynamics
- Tooling Testing and Evaluation of Materials
- Welding & Joining
- Acoustics and Noise Control
- Aerodynamics
- Applied Mechanics
- Automation, Mechatronics and Robotics
- Automobiles
- Automotive Engineering
- Ballistics
- Biomechanics
- Biomedical Engineering
- CAD/CAM/CIM
- CFD
- Composite and Smart Materials
- Compressible Flows
- Computational Mechanics
- Computational Techniques
- Dynamics and Vibration
- Energy Engineering and Management
- Engineering Materials
- Fatigue and Fracture
- Fluid Dynamics
- Fluid Mechanics and Machinery
- Fracture
- Fuels and Combustion
- General mechanics
- Geomechanics
- Health and Safety
- Heat and Mass Transfer
- HVAC
- Industrial and Systems Engineering
- Industrial Engineering
- Industrial, Mechanical, Systems Science and Engineering
- Instrumentation and Control
- Internal Combustion Engines
- Logistics and Scheduling
- Machinery and Machine Design
- Manufacturing and Production Processes
- Manufacturing Engineering
- Manufacturing Systems Engineering
- Marine System Design
- Material Engineering
- Material Science and Processing
- Mechanical Design
- Mechanical Power Engineering
- Mechatronics
- MEMS and Nano Technology
- Multibody Dynamics
- Nanomaterial Engineering
- New and Renewable Energy
- Noise and Vibration
- Noise Control
- Non-destructive Evaluation
- Nonlinear Dynamics
- Oil and Gas Exploration
- Operations Management
- PC guided design and manufacture
- Plasticity Mechanics
- Pollution and Environmental Engineering
- Precision mechanics, mechatronics
- Production Technology
- Quality assurance and environment protection
- Resistance and Propulsion
- Robotic Automation and Control
- Solid Mechanics
- Structural Dynamics
- System Dynamics and Simulation
- Textile and Leather Technology
- Transport Phenomena
- Tribology
- Turbulence
- Vibrations
- Advanced In-Space Propulsion & Power Concepts
- Advanced Thermal Control Technologies
- Advances in Space Propulsion
- Enabling Technologies for Lunar Surface Science
- Far Term Space Transport and Environment Models and Theories
- High Capacity Heat Rejection Systems
- High Frequency Gravity Wave Detection
- High Frequency Gravity Wave Generators
- Innovative Techniques in Fusion Energy
- Innovative Techniques in Nuclear Energy
- Lunar In Space Resource Utilization
- Lunar Lander Technologies and Design
- Medical Astrosociology
- Microgravity Thermophysics
- New Directions in Astrophysics/Particle Physics
- New Directions in Communications
- Planetary Defense and Societal Protection
- Propulsion Analysis
- Sensors
- Smart Materials
- Space faring societies
- Space policy and space law in a social context
- Space Science and Technology Roadmaps
- Space societies/ the settlement of space environments
- Technology transfers and spinoffs
- The relationship between astrosociology and astrobiology
- Theories on High Frequency Gravity Waves
- Thermal Control
- Thermal Control for Lunar and Deep Missions
- Two Phase Thermal Control Systems
- Unconventional Physical Principles and Gravitational Models

Materials Science and Engineering, Metallic Alloys, Tool Materials, Superplastic Materials, Ceramics and Glasses, Composites, Amorphous Materials, Nanomaterials, Biomaterials, Multifunctional Materials, Smart Materials, Engineering Polymers, Functional materials, Nuclear fuel materials, Biomaterals, sensors and surfaces, Thin Film Chalcogenide Photovoltaic Materials, Materials Properties, Measuring Methods and Applications, Ductility, Crack Resistance, Fatigue, Creep-resistance, Mechanical Properties, Reliability Assessment, Toxicity, Materials Manufacturing and Processing, Casting, Powder Metallurgy, Welding, Sintering,

Heat Treatment, Thermo-Chemical Treatment, Thin & Thick Coatings, Surface Treatment, Machining, Civil and Structural Engineering,

Material Science and Engineering

- Absorption Materials
- Adhesion Bonding Materials
- Amorphous Crystalline Materials
- Amorphous Magnetic Materials
- Biomaterials
- Biomaterials Materials and Applications
- Building Materials
- Catalytic Ceramic Materials
- Cement
- Ceramic Materials
- Chemical Materials
- Chemical Synthesis Materials
- Coating Materials
- Colloid and Materials Science
- Composite Materials
- Composite Materials Science and Applications
- Computer Aided Material Design
- Concrete
- Conductivity Materials
- Construction Materials
- Corrosion Resistant Materials
- Crystallographic Materials
- Diamond Materials
- Diffusion Bonding Materials
- Earthquake Resistant Materials
- Elastic Properties
- Elastomers and Rubbers
- Electronic Materials
- Energy Materials
- Energy Storage Materials
- Environmental Friendly Materials
- Fiber Reinforced Polymers (FRP)
- Fluid Materials
- Fuel Cell Materials
- Functional Materials
- Gas Materials
- Glass Materials
- High Performance Polymer
- High Strength Concrete
- Hydrogen Materials
- Inorganic Materials
- Iron and Steel Materials
- Magnetic Materials
- Material Behavior
- Material Dislocations
- Material Manufacture
- Material Physics and Chemistry
- Material Processing
- Material Properties
- Material Simulation
- Materials Devices and Nanotechnology
- Materials Forming
- Materials Machining
- Materials Testing and Evaluation
- Metal Alloy Materials
- Micro Materials
- Morphology Material
- Nano Materials
- Nano-indentation Material 69 Nano-porous Materials
- Nucleation Materials
- Optical Material
- Optical Materials
- Optoelectronic Materials
- Organic Material
- Piezoelectric Materials
- Polymers
- Porosity
- Precision Manufacturing Technology and Measurements
- Pre-stressed Concrete
- Recycling Materials
- Reinforced Concrete
- Seismic Materials
- Semiconductor Materials
- Silicon Materials
- Smart and Intelligent Materials
- Soil Materials
- Stone and Rock Materials
- Environmental Mechanics
- Experimental Methods
- Fatigue and Fracture Mechanics
- Fluid Dynamics
- Fluid Mechanics
- Fracture
- Hazards Detection and Alarming
- High Voltage and Insulation Technology
- Hybrid Composites for Solving Ecological Issues
- Hydrogen and Fuel Cells
- Integration of Device and System
- Integration with Information Science and Technology
- Life Cycle Engineering
- Light Metals for Transportation
- Mechanical Applications
- Metal Alloy Material
- Methodology of Research and Analysis and Modeling
- Micromechanics
- Mining and Metallurgy
- Multibody Dynamics
- Nanomechanics
- New Power Sources and Applications
- Plasticity Mechanics
- Power Conversion and Intelligent Control
- Process Modeling, Analysis and Simulation
- Road and Railway Engineering
- Sensors and Actuators
- Solid Mechanics
- Surface Engineering / Coatings Technology
- Surface Science and Engineering
- Switch Technical
- The Fundamentals of Mechanics and Research Methods
- Theoretical Mechanics
- Thermodynamics
- Utility Interface module for Power electronics
- Vibration and Noise Control
- Welding and Mechanical Connections
- Concrete Structures: Analysis, Design, and Construction
- Control of Structuress
- High-rise Building Structures
- Innovative Structural Design Technology
- Intelligent Structure Systems

- Large-span Bridge Structures
- Nondestructive Evaluation of Structures
- Novel Hybrid Structural Systems
- Reliability and Durability of Structures

Automation and Equipment Manufacturing

- Advanced NC Techniques and Equipment
- Embedded System
- Industrial Robotics and Automation
- Integrated Circuit Technology
- Intelligent automation
- laboratory and service automation
- Machine Vision
- Measure Control Technologies and Intelligent Systems
- Mechanical Control and Information Processing Technology
- Micro-Electronic Packaging Technology and Equipment
- Nano-scale automation and assembly
- Process automation
- Sensor Technology
- Transmission and Control of Fluid

Engineering and Automation

- Advances in Metal Forming
- Automation in life sciences and healthcare
- Advances in Quality Control in Multistage Manufacturing Systems
- Bottom-up Nano manufacturing
- Computer-Aided Design and Manufacturing
- Design and Operations of Manufacturing Systems for Responsiveness
- Emerging Technologies in Design and Manufacturing
- Flexible and Distributed Manufacturing Systems
- Fracture Reliability of Fabricated Materials
- Hybrid Macro/Meso/Micro Manufacturing Processes
- Intelligent Systems in Machine Design and Production
- Micro-Manufacturing and Fabrication of Sensors
- Thermally-Enhanced Manufacturing

Aerospace Engineering(Aeronautical and Astronautical)

- Advanced In-Space Propulsion & Power Concepts
- Aero elasticity and Space faring
- Aeroacoustics
- Aerospace Defense Systems
- Aerospace Propulsion Systems
- Aerospace Structures and Materials
- Affordable launch systems and developing countries
- Aircraft Design and Technology
- Aircraft Fuel System, Guidance and Control
- Atmospheric Flight Dynamics
- Avionics Engineering
- CFD and FEA
- Communication Systems and Technologies
- Computational Fluids Dynamics
- Design and construction of space systems, simulation and testing
- Developments in global positioning, interoperability, new applications, vehicle control
- Developments in new space communication techniques, higher frequencies and bandwidths
- Energy from Space
- Flight and Space Mechanics
- Flight Dynamics, Control and Performance
- High Frequency Gravity Wave Generation Detection,
- Industrial Aerodynamics
- Liquid Propellant Rockets
- Lunar Lander Technologies and Design
- Multidiciplinary design Optimization
- Navigation, Guidance and Control
- Near- Earth Space Physics
- Neuro-Fuzzy Control
- Satellite Technologies
- Scientific applications, near Earth space, deep space, microgravity sciences
- Small satellites, micro, nano and pico satellites, cubesat developments
- Space law, space medicine, and social, educational and other benefits of space
- Space Mission and Spacecraft Subsystems
- Space robotics
- Space technology utilization for development and societal well being
- Space weather
- Spacecraft Communication Technique
- Spacecraft Design and Technology
- Spacecraft Software Development and Modeling
- Turbomachinery
- Unmanned Air Vehicle
- Wind Tunnel Design and Testing
- Societal aspects of Nanotechnology: Ethics, Risk Assessment, Standardization

Nanomaterials, Functional Porous Materials, Co-ordination Networks, Bio-inspired Nanomaterials, Hybrid Materials and Living Materials:

- Nanostructures and Nanoparticles
- Nanotubes and Ceramics
- Membranes and Films
- Supramolecular systems
- Co-ordination polymers
- Zeolites and MOFs
- Mesoporous materials
- Hierarchically structured materials
- Carbons and Natural Materials
- Bioinspired and biomimetic materials
- Biomineralisation and biotemplating
- Bio-integrated materials
- Biocomposites and Organometallics
- Green materials for construction

- Inorganic switches

Abstract Submission:

Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at **conference.mechanical@gmail.com** on or before **30th October, 2017**.

Submission of Full Length Research Paper & Copyright Form

Full length research paper, maximum in 6 pages and copyright form should be submitted together as separate attachment latest by **31st October, 2017**. through email at - **conference.mechanical@gmail.com**

Submission of Registration Details:

Submission of Registration Form/Details: **1st November, 2017**. Registration process can be initiated after receiving acceptance letter of full paper.

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 35 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 RTGS/ Wired Transfer or Online Transfer)**

Bank Details mentioned below for RTGS/ Wired Transfer or Online Transfer:

Beneficiary Name : Krishi Sanskriti Publications

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Registration Charges:

Categories	Indian Delegates	SAARC/ African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	4000 INR	125 USD	250USD
Research Scholars (M. Phil/Ph.D) / NGO Representative	3500 INR	100 USD	200 USD
Students(B.Tech/./M.Tech /M.Sc etc)	2500 INR	75USD	150 USD
Printing of Additional Page in Books /Journals	300 INR	15 USD	20 USD
Listener / Accompanying Member(only Indian Delegates)	1500 INR	**	**
Book/Journal & Certificate (additional copy) (For Co-Authors in absentia) (if required)	700 INR	20 USD	30 USD
Only Books/Journal (additional copy) (For Co-Authors in absentia) (if required)	500 INR	15 USD	25 USD
Only Certificates (For Co-Authors in absentia)	300 INR	10 USD	20 USD
Additional Research paper for same authors	1500 INR	25 USD	35 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.
4. Co-Authors will not be considered as accompanying person. Listeners are not entitled for free accommodation (it will be on paid basis). However they will be issued conference kit and participation certificate.
5. All Selected papers will be available online after 15 to 20 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishi Sanskriti website.

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For further information visit our Website

http://krishisanskriti.org/mant.html

Dr. Vikas Rai
Organizing Secretary

Dr. G. C. Mishra
Conference Chair

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