

INTERNATIONAL SCIENTIFIC & ENGINEERING SERIALS

(ISES)



Organizes

1st National e-Conference on

2013

**“RENOVATIVE &
MULTIDISCIPLINARY
RESEARCH IN ENGINEERING
& TECHNOLOGY”**

About ISES

The **International Scientific and Engineering Serials (ISES)** is a peer reviewed international journal Series run under the aegis of RNJP Educational Society with a key objective to provide the academic and industrial community a medium for presenting original cutting edge research related to Various fields of Science, Engineering & Technology, Arts Commerce & Management and their intervened applications. ISES invites authors to submit their original and unpublished work that communicates current research the areas closed to or under the periphery of the journals both the theoretical and methodological aspects, as well as applications in real world problems. ISES provides an international forum for the electronic publication of high-quality scholarly articles. This is an open access journal, so all published papers are freely available online. It welcomes presentations, animations, source codes and data-sets together with the corresponding paper. Submitted papers will go through rigorous reviewing process and final articles are published electronically in coming issue.

Vision

The **ISES** is an online, multi-media, series of academic journals that adheres to the highest standards of peer review and engages established and emerging scholars from all over the world. The **ISES** is series of interdisciplinary journals, and is open and welcoming to contributions from the various fields of Sciences, Engineering & Technology, Arts, Commerce and Management.

Theme of the conference

In present scenario the research in engineering & technology is emerging in multifold and interdisciplinary manner. The requirement or need is always the initiator for new innovation. It is true that the innovation of wheel cannot explore every day but the refinements, modifications and enhancements for betterment in the performance to fulfill the requirement and need of the society can always explore and implement. The innovative research in engineering & Technology includes mostly application oriented modifications in existing and established principles or researches. These enhancements and modifications are incorporating the multidisciplinary approaches. It can realize with bio-informatics, bio-engineering, evolutionary techniques, Robotics, intelligent business system and many more. This multidisciplinary approach in engineering research is renovating the research and exploring the new implementations and appearances of old and already developed ideas or products. This can visualize with smart phones, communication techniques, signal processing, image processing, animations, home appliances, automobiles and many others. The speed of technological development is very fast and it can say that “you think about the product and the product is in market”. Another important factor is the size of the product and the reliability of the product. The research of modern age in engineering and technology is

focusing on these issues. The evolution of quantum computer, nano-technology, VLSI design, Fuzzy control systems, Reusability software, component-based design, Intelligent agent systems, 4G-5G telecommunication, 3-D and now 4-D visualization and various concepts to make the line true that one day we have the product that will work with the speed of our mind or even faster than this. The conference hopes to bridge all experts from various disciplines of engineering to promote this renovation research for development of the fast, compact, reliable, secure and cheap applications with multidisciplinary approach for the betterment and to fulfill the requirement of the society and innovations to sustain knowledge for the betterment of humanity under green initiative program. The conference will focus on themes under the institutional framework for sustainable development

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Call of Papers for “Renovative & Multidisciplinary Research in Engineering & Technology”

National e-Conference on “**Renovative & Multidisciplinary Research in Engineering & Technology**” is the premier forum for the presentation of technological advances and research results in the fields of Electrical & Electronics Engineering, Mechanical Engineering, Computer Science & Engineering, , Civil, Architectural & Environmental Engineering, Chemical & Bio-Engineering. National e-Conference on “**Renovative & Multidisciplinary Research in Engineering & Technology**” will bring together leading engineers and scientists in from around the nation.

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

Track 1 Electrical & Electronics Engineering

- Electronics Engineering Adaptive Signal Processing Advanced Electromagnetics Artificial Intelligence Bioinstrumentation: Sensors, Micro, Nano and Wearable Technologies Circuits and Electronics Communications and Networking Computer Architecture for Intelligent Machines Device Electronics for I.C Electronic Medical Devices Electronics & Nano Electronics Electronics

System-Level Based Design FPGA and Reconfigurable Architecture based System Fiber Optics and Fiber Devices High Performance VLSI Systems Integrated Optics Intelligent Transportation Systems Low-Power Signal Processing Micro/Nano Systems and Networks Mobile Computing Multimedia Services and Technologies Networks Design, Protocols and Management Optical Electronic Devices & Photonics Radio-Frequency Integrated Circuits Robotic Systems System on Chips and Network on Chips Techniques of Laser and Applications Of Electro-optics

- Electrical Engineering Analog Circuits and Digital Circuits Analysis of Power Quality and System Stability Antenna and Propagation Battery Management System Bioinformatics & Biomedical Imaging Biomedical Signal Processing Brain-Computer Interfacing and Human-Computer Interfacing Computer Relaying Computer-Aided Surgery Data Compression and Watermarking Electric Energy Processing Electro-optical Phenomena of Semiconductors Electromagnetic and Photonics Expert Systems Health Care Information Systems Healthcare Information Systems, Telemedicine Image Processing Information Security and Cryptography Integrated Optics and Electro-optics Devices Internet and web solutions for healthcare Microwave Theory and Techniques Microwave and millimeter circuit and Antenna Mobile Security Modeling, Simulation, Systems and Control Modulation, Coding, and Channel Analysis Multimedia Signal Processing Natural Language Processing Neural Networks Parallel Programming & Processing Power Electronics Power IC Remote control and techniques of GPS Robotics and Atomization Engineering Signal Integrity Design for High-Speed Digital Systems Signal Processing Simulation of Propagation Smart Grid Speech Analysis and Synthesis Speech Recognition Wireless Communication
- Clean Energy/Green Computing Biofuel and Energy from Waste Materials Bioinformatics and Scientific Computing Climate and Eco System Monitoring Data Modeling for Cloud-Based Networks Efficient Energy generation and distribution Electrical Vehicles and Smart Grid Energy Efficiency Energy Minimization in Cluster-Based Wireless Sensor Networks Energy Usage of High Performance System Energy and Environmental Sustainability in Information Systems and Network Energy-Efficient memory management in virtual machine environments Geothermal Energy Hydrogen and Energy Storage Life Cycle analysis of IT Equipment Low-power Electronics and Systems Low-power electronics and systems Memory energy optimizations in smartphones Power Efficient Hardware Power and energy Profiling and Metrics Power-aware algorithms and protocols Power-aware algorithms and protocols Power-aware software and hardware Reducing Energy Consumption in Wireless Sensor Network Renewable Energy and Transport Renewable energy models and prediction Smart Grids and Micro Grids Smart Transportation and manufacturing Smart buildings and urban development Solar Power Generation Thermal-aware power optimization techniques for servers and data centers Using IT to reduce carbon emissions Wind Power Generation Wind, Wave, and Solar energy Zero Carbon Urban design

- Biomedical Electronics, Circuits and Systems, Communication Systems, Control Systems, Control theory, Data Mining, Electromagnetics, Microwave, Antennas, Intelligent Systems, Image Processing, Mechatronics, Multimedia, Natural Language Processing, Optoelectronics, Robotics, Technology in Education, Scientific Computing, Computer based Education, Quantum Physics, Computational Sciences, Soft Computing, Green Technology, Engineering Sciences, Nano Sciences and Technology, Thermodynamics, Intelligent Control Systems, Seismic Engineering, Engineering Management, Mathematical and Statistical Sciences, Environmental Engineering, Reconfigurable Computing Sensor Networks, Fuzzy based filtering, Signal Processing, Microwave technology, Radar, Laser technology.

Track 2 Computer Science & Engineering

- Software and hardware architectures; Big Data visualization; Services; Data analytics; toolkits; open platforms; business processes; Managing, analyzing, and using large volumes of structured and/or unstructured data; Simulation and modeling; Consumerization of Big Data; Big Data in social media; Big Data and decision sciences and analytics; Data and text mining; Crowdsourcing; Case studies; and Applications.
- Multi-resolution vision techniques; Machine learning technologies for vision; Active and robot vision; Cognitive and biologically inspired vision; Dimensionality reduction methods in pattern recognition; Classification and clustering techniques; Statistical pattern recognition; Image-based modeling and algorithms; Illumination and reflectance modeling; Motion and tracking algorithms; Biometric authentication; Medical image processing and analysis; Segmentation techniques; Geometric modeling and fractals; Image data structures and databases; Image compression, coding, and encryption; Image feature extraction; Novel document image understanding techniques; Enhancement techniques; Novel noise reduction algorithms; Mathematical morphology; 3D imaging; Watermarking methods and protection; Wavelet methods; Image restoration; Shape representation; Video analysis; Indexing and retrieval of images; Object recognition; and Case studies and applications.
- Cluster computing; Supercomputing; Cloud computing; Autonomic computing; P2P computing; Mobile computing; Grid computing; Parallel/distributed architectures and algorithms; Networks and interconnection networks; Reliability and fault-tolerance; The use of building block processors; Real-time and embedded systems; Multimedia communications, systems, and applications; Software tools and environments for computational science; Performance analysis, evaluation and monitoring; Wireless networks and distributed systems; FPGA, multicore, GPU, SOC and applications; Nanotechnology in HPC; High-performance mobile computation and

communication; Petri Nets; Web-based simulation and computing; Emerging technologies; Scientific computing.

- Computational modeling and simulation in science and engineering; Molecular modeling and simulation; Simulation languages and tools; Performance modeling; Information and scientific visualization; Modeling methodologies; Visual interactive simulation and modeling; Visualization tools and systems for simulation and modeling; Process, device, circuit simulation and modeling; Multi-level modeling; CAD/CAE/CAM; Agent based simulation; Analytical and stochastic modeling techniques and applications; Chaos modeling, control and signal transmission; Simulation of complex systems; Simulation of intelligent systems; Vision and visualization; Prototyping and simulation; Biomedical visualization and applications; Discrete and numeric simulation; Internet, web and security visualization; Virtual reality and simulation; Object oriented and knowledge-based simulation.
- Information retrieval systems and databases; Information and knowledge structures; Knowledge management and cyber-learning; Information reliability and security; Knowledge mining; Knowledge classification tools; Knowledge representation and acquisition; Large-scale information processing methods; Intelligent knowledge-based systems; Aspect-oriented programming; Formal and visual specification languages; Decision support and expert systems; Ontology engineering, sharing and reuse; Ontology matching and alignment; Agent-based techniques and systems; Workflow management; Large-scale information processing methods and systems; Database engineering and systems; Data-web models and systems; Data warehousing and datacenters; Data security and privacy issues; Quantum information theory; Natural language processing; Information integration; Domain analysis and modeling; Web services; Semantic web.
- Monte Carlo methods and applications; Numerical methods and simulation; Quantum computing; Computational number theory; Optimization and approximation methods; Probabilistic and randomized methodologies; Computational geometry; Computational biology; Computational chemistry; Computational fluid dynamics; Computational physics; Computational mechanics; Computational electromagnetics and computational electrodynamics; computational sociology; Splines and wavelets; Inversion problems; Cellular automata; Ordinary and partial differential equations; Stochastic differential equations; Finite element methods; Multi-level and Multi-grid methods; Operational research; Dynamical systems; Nonsymmetric solvers; Engineering problems and emerging applications.

- Fuzzy logic and fuzzy set theory; Computing with words; Neural-fuzzy systems; Fuzzy and rough data analysis; Fuzzy optimization and design; Fuzzy decision making; Systems modeling and identification; Systems architectures and hardware; Control and systems; Fuzzy logic applications.
- Neural network theory and models; Evolutionary neural systems; Collective intelligence; Computational neuroscience; Cognitive models; Neurodynamics; Neuroinformatics; Neuroengineering; Neural hardware; Mathematical modeling of neural systems; Hybrid systems; Self-aware systems; Agent-based systems; Artificial life; and Neural network applications.
- Metaheuristic optimization algorithms; Evolutionary algorithms; Genetic algorithms; Evolutionary programming; Evolution strategy; Particle swarm optimization; Ant colony optimization; Artificial immune systems; Differential evolution; Learning classifier systems; Learnable evolution models; Self-organizing maps and competitive learning; Multi-objective evolutionary algorithms; Reinforcement learning; Parallel simulated annealing; Cultural algorithms; Intelligent, bio-inspired and autonomic computing.
- Brain models and cognitive science; Natural language processing; Fuzzy logic and soft computing; Software tools for AI; Expert systems; Decision support systems; Automated problem solving; Knowledge discovery; Knowledge-intensive problem solving techniques; Knowledge networks and management; Intelligent information systems; Intelligent data mining and farming; Intelligent web-based business; Intelligent agents; Intelligent user interface; Intelligent tutoring systems; Reasoning strategies; Distributed AI algorithms and techniques; Heuristic search methods; Languages and programming techniques for AI; Constraint-based reasoning and constraint programming; Intelligent information fusion; Search and meta-heuristics; Multisensor data fusion using neural and fuzzy techniques; Integration of AI with other technologies; Evaluation of AI tools; Social intelligence (markets and computational societies); Social impact of AI; and Satisfiability methods.
- Pattern recognition applications; Machine vision; Brain-machine interface; Embodied robotics; Biometrics; Computational biology; Bioinformatics; Image and signal processing; Information mining and forecasting; Sensor networks; Information processing; Internet and multimedia; DNA computing; Machine learning applications; Multi-agent systems applications; Telecommunications; Transportation systems; Intrusion detection and fault diagnosis; Game technologies; Material sciences; Space, weather, climate systems and global changes; Computational ocean and earth sciences; Combustion system simulation; Computational chemistry and biochemistry; Computational physics; Medical applications; Transportation

systems and simulations; Structural engineering; Computational electro-magnetic; Computer graphics and multimedia; Face recognition; Semiconductor technology, and electronic circuits and system design; Dynamic systems; Computational finance; Information mining and applications; Astrophysics; Biometric modeling; Geology and geophysics; Nuclear physics; Computational journalism; Computational sociology; Geographical Information Systems (GIS) and remote sensing; Military and defense related applications; Ubiquitous computing; and Emerging applications; Advances in computational intelligence for time series forecasting and applications; Computational science and intelligence for epidemiological modeling.

- Software engineering; Student recruitment and retention methods; Promoting multi-disciplinary initiatives; curriculum; Capstone research projects; Preparing graduates for academia and industry; Undergraduate research experiences; The balance between course-work and research; Transition to graduate studies; Debugging tools and learning; Evaluation methods; Advising methods; Learning models and learning from mistakes; Distance learning; Active learning tools; Funding opportunities for curriculum development and studies; Partnerships with industry and government; Collaborative learning; STEM (Science, Technology, Engineering & Mathematics) promising initiatives; Student observation and mentoring strategies; Team projects and case studies; The role of visualization and animation in education; Academic dishonesty in a high-tech environment; Innovative uses of technology in the classroom; Computer and web-based software for instruction; e-Learning design and methodologies; e-Learning portals; Audio and video technologies for e-Learning; Content management and development; Policy issues in e-Learning; e-Learning standards; Virtual learning environments; Authoring tools; On-demand e-Learning; On-line education; e-Universities; and Case studies.

Track 3 Mechanical Engineering

- Aerodynamics and fluid mechanics ,Automation, Mechatronics, and Robotics Automotive engineering, Bioengineering materials, biomechanics and biotribology Bulk deformation processes and sheet metal forming, Composites, ceramics, and polymers processing, Computational mechanics /FEM modeling and simulation, Computer-based manufacturing technologies: CNC, CAD, CAM, FMS, CIM, Concurrent engineering, Corrosion, Heat treatment, microstructure and materials properties, Cryogenics, Dynamic system analysis Energy conservation and auditing, Expert system, Failure and fracture mechanics, Friction, wear, tribology, and Surface engineering, Functionally graded materials, cellular materials, Heating and ventilation air conditioning system, High speed machining, Hydrostatic transmissions and pneumatics, I.C engines and Turbo machinery, Kinematics and dynamics of rigid bodies, Lubricants and lubrication, Machinability and formability of materials, Manufacturing design for 3r

"reduce, reuse, recycling", Mechanical micro machining, Mechanisms and machines, Medical device manufacturing, Metal casting, metal joining processes, Metrology and computer aided inspection, Micro and nanomechanics, Modeling, simulation, and optimization, Multifunctional and smart materials, automobile IC engines.

- Robotics and Mechanical Engineering; Actuator design, robotic mechanisms and design, robot kinematics and dynamics; Agile Manufacturing ; Agriculture, construction, industrial automation, manufacturing process ; Automation and control systems middleware; Biomedical and rehabilitation engineering; welfare robotics and mechatronics; Cellular manufacturing; Concurrent Engineering; Design for Manufacture and Assembly; Distributed Control Systems; Flexible Manufacturing Systems; FMS Artificial Intelligence; Humanoid robots, service robots; Human-robot interaction, semi-autonomous systems, telerobotics; Information Technology Applied to Knowledge Based Systems; Lean Manufacturing Logistics; Machine Vision; Mechanical Systems Engineering; Mining robotics; Mobile robotics; Modeling and Simulation Scheduling; Nano/micro systems and applications, biological and medical applications; Navigation, localization, manipulation; Operations Management; Rapid Prototype Rescue; hazardous environments; Robot intelligence and learning; Robot vision and audition; Robots and Automation; Sensor design, sensor fusion, sensor networks, Sensor development, Sensors and Applications; ubiquitous robots and devices
- Material for low carbon building; Green energy and equipment; Key materials for fuel cells; Materials for primary battery and secondary battery; Green chemistry and equipment; Synthetic degradable materials; Waste materials disposal and reuse; Synthesis of environmental catalytic materials; Catalytic desulfurization, denitrification, dechlorination and other technical in Clean energy; Catalysis technology and environmental protection under the condition of light, electricity, magnetism, microwave; Engineering design in a global manufacturing context; Concurrent, collaborative, and distributed engineering design and manufacture; Design tools, methods and techniques; Product life-cycle modeling and management; Computer-aided design and manufacturing; Quality, robust design, and variation management; Global Manufacturing and Systems; Product modeling and visualization techniques and advancement; Modeling and simulation of workflow in design and manufacturing processes; Virtual design and manufacturing technology; Advanced manufacturing processes; Enterprise resources planning; Digital factory/enterprise; Robotics and vision applications in robotics; Micro electrical mechanical systems; Cost control in product design; Activity based cost management; Precise detection technology; Advanced material forming and processing technology.
- Operations Management; Logistics and Supply Chain Management; Reliability and Maintenance Engineering; Total Quality Management and Quality Engineering; Artificial Intelligence and Expert Systems; Machinability of Materials, Composite Materials; Tribology; Design Tools, Cutting Tool

Material and Coatings; Energy Conservation, Renewable Energy Techniques; Fluid Dynamics, Bio-fuels, Fuel Cells; CAD/CAM, Automation & Robotics; Advances o Aero space Technology; Transportation Systems.

- Mechanical, Automotive and Materials Engineering; Aerodynamics; Aerospace Systems and Technology; Alternative energy; Applied Mechanics and Design Automation; Biomechanics; Composite Materials; Computational Fluid Dynamics; Computer aided engineering design; Concurrent Engineering; Condition Monitoring; Design and Manufacturing; Energy and Thermofluids; Energy conversion system; Energy Management; Finite element analysis; Fluid Dynamics; Fuels and Combustion; Green Manufacturing; Heat and Mass Transfer; Solid and Fracture Mechanics; Heat exchangers.
- The Basic of Mechanics and Research Methods; Dynamics and Vibration; Solid Mechanics; Fluid Mechanics; Thermodynamics; Biomechanics; Environmental Mechanics; Composite; Micro/Nano materials; Iron & Steel; Ceramics; Metal Alloy Material; Polymer; Optical / Electrical / Magnetic Materials; Materials Physics and Chemistry; Building Materials; Energy Materials; Environmental-Friendly Materials; Biological Material; Chemical Materials; Thin Films; Seismic materials; Smart Materials and Intelligent Systems; Hydrogen and Fuel Cells; New Functional Materials; Surface Engineering / Coatings Technology; Process Modeling, Analysis and Simulation; Material Processing; Material Cutting; Welding and Mechanical Connections and Fracture; Computer Aided Design of Materials; Materials Testing and Evaluation; Microwave Processing of Materials.
- Computer-aided Design, Manufacturing and Engineering; Innovative Design Methodology; Intelligent Optimization Design; Reverse Engineering; Wear; Precision / Ultra-precision Machining and Inspection Technology; Laser Processing Technology; CIMS Technology; Advanced Manufacturing Mode; Mechanical Dynamics and Its Applications; Mechanical Transmission Theory and Applications; Mechanical Reliability Theory and Engineering; Vibration, Noise Analysis and Control; Dynamic Mechanical Analysis, Optimization and Control; Heat and Thermal Conductivity; System Analysis and Process Engineering; Production Operations Management.

Track 4 Civil, Architectural & Environmental Engineering

- Bridge Engineering; Cartography and Geographic Information System; Coastal Engineering; Computational Mechanics; Construction Technology; Disaster Prevention and Mitigation; Engineering Management Environmental Management; Environment-Friendly Construction and

Development; Geological Engineering; Geotechnical Engineering; Hydraulic Engineering; Monitoring and Control Of Structures; Safety Management; Seismic Engineering; Structural Engineering Geotechnical Engineering; Surveying Engineering; Transportation and Highway Engineering; Water Engineering.

- Theory and Advanced Technology of Engineering Structure; High-rise Structure and Large-span Structure; Bridge and Tunnel Engineering; New Structure and Special Structure; Advanced Technology of Geotechnical Engineering; Municipal Engineering; Hydraulic and Hydro-Power Engineering; Civil Engineering Materials; Engineering Structure Safety and Disaster Prevention; Building Energy Conservation and Green Architecture; Structural Liability, Durability and Health Monitoring; Engineering Management; New Technology, Method and Technique in Civil Engineering.
- Accessibility; Actions and policies to implement sustainable construction; Adapting to Climate Chang; Advanced Monitoring Systems; Architectural Engineering; Biodiversity; Develop energy efficient buildings at design stage to secure long-term savings; Eco-materials and technologies; End-user and community involvement; Location and Urban Design ; Microclimate; New Cement-Based Materials; Social inclusion; Sustainable design and construction standards; Use of non-conventional materials; Waste minimization.
- Structural Engineering including Steel, Bridge, Composite, Reinforced Concrete and Masonry Structures - Structural Integrity - Formfinding, Topology and Structural Morphology - Space, Tension and Shell Structures - Soil-Structure Interaction (static and dynamic) - Buckling and Stability - Linear and Non-linear Dynamics - Analysis of Semi-rigid Connections - Environmental Engineering - CAD (including steel, concrete, masonry and composite) - Transport and Highways Engineering - Geotechnical Analysis and Design - Foundation Engineering - Dam Engineering - Slope Design - Ground Vibration - Construction Automation and Robotics - Construction Management - Project Management - Management Systems - Civil Engineering Surveying - Civil Engineering Management - Lifetime Costs - Productivity - Sustainable Urban Environments - Water Resources Engineering - Enviromental Modelling - Mobile Computing - GIS - Virtual Reality - Structural Control - Fracture Mechanics - Modelling of Concrete Durability - Rock Mechanics - Offshore Structures - Wind Engineering - Computer Controlled Site Instrumentation - Quality Assessment - Optimisation - Structural Optimisation and Sensitivity Analysis - Numerical Modeling in Geotechnics - Monitoring of Structures & Buildings - Real-Time 3D Simulation - Computer Supported Collaborative Design - New advances in Structural Health Monitoring Technologies - Fuzzy Methods - Seismic Response of Structures and the Environment due to Transport - Earthquake Engineering - Modelling of Seismic Action - Structural Identification -

Strengthening of Structures - Assessment of Structures - Multi-Criteria Decision Making - Timber Structures - Structural Damage Detection and Identification - Stochastic Optimization - Nanotechnology - Modelling Mechanical Behaviour at the Nano- and Mesoscale - Railway Engineering - Stochastic Mechanics - Shape and Boundary Optimization - Reliability-based Design Optimization (RBDO) - Optimal Structural Control under Stochastic Uncertainty - Model Predictive Structural Control (MPSC) - Stochastic Mechanics and Reliability - Multi-Hazard Risk Assessment - Fire Structural Design - Multi Scale Modelling, Multi-Scale Analysis - Geostatistics.

- Environmental dynamics; Meteorology; Hydrology; Geophysics; Atmospheric physics; Physical oceanography; Global environmental change and ecosystems management Climate and climatic changes; Global warming; Eco-technology; Bio-engineering; Environmental sustainability; Resource management; Life cycle analysis ; Regulatory practice, water quality objectives standard setting, water quality; Nutrients removal; Suspended and fixed film biological processes; Anaerobic treatment; Process modeling; Sludge treatment and reuse; Fate of hazardous substances; Reuse of reclaimed waters.

Track 6 Chemical & Bio-Engineering

- Chemical, Environmental, and Process Engineering; Environmental engineering and sustainable development; Process design and optimization; Chemical engineering fundamentals; Physical, Theoretical and Computational Chemistry; Chemical engineering educational challenges and development; Process system, instrumentation and control; Product engineering and product development; Systematic Methods and Tools for Managing the Complexity ; Integration of Life Sciences & Engineering ; Biochemical Engineering; Biotechnology; Product Engineering in the Bio Industries; Self-organisation in the Bio-sciences and elsewhere; Biochemistry and Molecular Biology; Astrobiology; Building biology; Biomaterials; Biomechanics; Biomonitoring; Biophysics; Biology Health Sciences; Biomolecular Engineering; Cell & Tissue Engineering; Biomedical Human Systems Engineering; Bioenvironmental and Ecological Engineering; Biomaterials; Biodevices.

Important Dates:

Full Paper Submission Deadline: 08th December 2013

Acceptance Announcement: 15th December 2013

Paper Registration: Must be Within 10 working days from acceptance

Conference Paper Publication: 30th December 2013.

Registration Fees Details

It is mandatory for an author of an accepted paper to register for the paper in order to appear paper in the Journals Proceedings. Fee includes indexing the papers in various research databases and publication in Journals. All conference participants are requested to register on or before 27th December 2013.

Fee Structure for ONLINE Publication of Accepted paper along with e-Certificate for the Author (s)

Target Group Registration Fees Faculty from Polytechnic & Engineering Institute: **600 INR**

Authors can transfer its equivalent amount from any of your Bank and Country/Currency. In such case, for paper publication registration fee, the conversion rate shall be calculated against the conversion rate of the day when the papers submission for review is ended; And for membership and others, exchange rate on the date transaction is applicable. You may choose any one of the banking options according to your convenience.

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Paper Submission

Authors/Researchers are invited to submit their research paper through email. All the submitted papers will be reviewed as per double blind review process.

E-mail ID:

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editor.ijicc@gmail.com

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Author Guidelines:

Please, note the following instructions to submit your full papers to the conference:

- The paper limit is 6 pages.

- Submit the paper in the format as per the template of the Journal which can be download from the website www.ises.co.in.
- Note that at least one author should be registered at the conference for the paper to be published.

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Awards

The ISES **Young Scientists Award**, considered to be the highest recognition of promise, creativity and excellence in a young scientist, is made annually to those distinguished for these attributes as evidenced by their research work carried out in India.

Eligibility

The award of a medal to a Young Scientist shall be made in recognition of notable contributions to any branch of science or technology, recognized by the Society, on the basis of work carried out in India.

Any citizen of India who has not attained the age of 35 years on December 31, of the year preceding the year of award, shall be eligible for the award.

Number of Awards

The number of awards to be made in any year will be limited to maximum 05.

Publication of Accepted papers

Conference papers will included in following International Journals

- ***International Journal of Interactive Computer Communication (IJICC)***
(ISSN No. 2250 –2661)
- ***International Journal of Engineering Sciences & Emerging Technologies (JJESET)***

