

There will be a one and half hour free workshop for registered participant of this conference under the title "Advanced Embedded System Design" by Mr. Pawan Kumar on the day of conference



International Conference

On

“Mobile Communication, Electronics, Robotics, Machine Learning, Data Mining, Information Sciences and Electrical Engineering”

(MERDIE– 2018)

Organized by

“Krishi Sanskriti, New Delhi”

On

22nd December 2018

**Venue: Jawaharlal Nehru University,
New Delhi 110067**

Call for Papers and Conference Themes

The International Conference on “Mobile Communication, Electronics, Robotics, Machine Learning, Data Mining, Information Sciences and Electrical Engineering” (MERDIE–2018) will be held during December 22, 2018 at JNU, New Delhi, India. The MERDIE– 2018 is International forum for researchers, working professionals and students to deliberate, interact and share their knowledge and expertise about the latest developments in the field of Mobile Communication, Electronics, Robotics, Machine Learning, Data Mining, Information Sciences and Electrical Engineering. The aim of the Conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet and share their research findings and cutting-edge developments in the above fields. The Conference includes both oral and poster presentations.

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. in print version and online version and that will be released on the day of conference.

Themes

Mobile Communication

Ad hoc networks
Body and personal area networks
Cloud and virtual networks
Cognitive radio networks
Cooperative communications
Delay tolerant networks
Future wireless Internet
Green wireless networks
Local dependent networks
Location management
Mobile and wireless IP
Multi-hop networks
Network architectures
Network Security
Routing, QoS and scheduling
Satellite communications
Self-organising networks
Telecommunication Systems
Vehicular networks
Wireless multicasting, broadcasting and geocasting
Wireless sensor networks

Computing and Processing

Soft Computing, Fuzzy Logic and Artificial Neural Networks
Mathematical Modeling and Simulation
Data Mining, Web Technology and Ontology
Cloud Computing
Green Computing
Mobile Computing and Programming
Nanoelectronics and Quantum Computing
Big Data

Communication, Networking, Security and Broadcasting Communication System and Communication Standards Sensor Networks

Acoustic and Under Water Communication
Security and Authentication
Adhoc Networks and Wireless Networks
RFIDs and Applications
Vehicular Technology and Networks
Information Security and Network Security
IT Forensic
Semantic Web
Parallel and Distributed System
Multimedia Information Processing and Retrieval
Telecommunication and Mobile Communication

Robotics and Control

Sensors
Embedded Systems Design
Hardware Implementation
Vehicular Technology
Simulation and Hardware Implementation Techniques
Robotics and Mechatronics
Control System
Modeling and identification
Robot control
Mobile robotics
Mobile sensor networks
Perception systems
Micro robots and micro-manipulation
Search, rescue and field robotics
Robot sensing and data fusion
Localization, navigation and mapping
Dexterous manipulation
Medical robots and bio-robotics
Human centered systems
Space and underwater robots
Tele-robotics
Mechanism design and applications

Machine Learning and Data Mining

Deep Learning
Computer Graphics
Low-Level Vision and Image processing
Motion and Tracking
Statistical Methods and Learning
Performance Evaluation
Computational Photography, Sensing and Display
Biomedical Image Analysis
Video Analysis and Event Recognition
Biometrics
Genetic and Evolutionary computing
Data Classification, Regression and Cleaning
Data and Image Compression
Data Science and Big Data
Cloud Computing, High Performance Computing and Scalable Computing
Social Media, Social Networking and Social Data
Data Warehouse, Clustering and Visualization
Cyber Security and Privacy for Big Data
Knowledge Discovery, Integration and Transformation

Information Technology

Signal processing and Analysis

Image, Speech, and Signal Processing
Remote Sensing and Geographic Information System
Computer Vision
Biomedical Image Processing
Pattern Recognition
Bioinformatics
Business Intelligence and Applications
Computer Network
Evolutionary Computation and Algorithms
Intelligent Information Processing
Information System Integration and Decision Support
Image Processing and Multimedia Technology
Information Security and Encoding Technology
Signal Detection and Processing
Technique and Application of Database
Data Mining
Software Engineering
Mobile Computing
Distributed Systems
Artificial Intelligence
Visualization and Computer Graphic
Information Retrieval
Natural Language Processing
Machine Learning
Internet of Things
Cloud Computing in E-Commerce Scenarios
E-Business Systems Integration and Standardization
E-government
Electronic Business Model and Method
E-Commerce Risk Management
E-Commerce Dependability
Recommender system
Ontology Engineering for E-Commerce
Semantic Web Service Architecture for E-Commerce
Service Oriented E-Commerce and Business Processes
Data Analytics and Big Data

Information System and Multimedia

Business Intelligence
e-Business
Enterprise Resource Management
IT/IS Strategic
Human Computer Interaction
Animation

Game Programming

Electrical Engineering

Energy Conservation
Energy Conversion
Fuel Cell Technology
Plasma Technology
Renewable Energy Sources
Solar Energy
Water Energy
Wind Energy
POWER TRANSMISSION AND GENERATION
Converters and Inverters
Fault Diagnosis
Grounding and Protection Systems
HV Power Lines
Network Harmonics
Nuclear Energy
Power Distribution
Power Flow Analysis
Power Quality
Power System Design
Power System Operation
Power System Planning
Power System Stability and Control
Reliability and Security
Power system planning, Power management,
Power engineering and Education Breakdown Impacts
Computer Applications and Software Development
Demand Management
Electricity Power Pools
Energy Management Systems
Energy Policies and Regulation
Energy Pricing
Forecasting
Global Restructuring
Investment Coordination
Optimization Techniques
Power Economics
Power Engineering and Education
Power Market Deregulation
Power System Planning
Pricing Policies
Problems of the Power Industry
Retail Power Markets
Electronics
VLSI and Microelectronic Circuit Embedded Systems
System on Chip (SoC) Design
FPGA (Field Programmable Gate Array) Design and Applications
Electronic Instrumentations
Electronic Power Converters and Inverters
Electric Vehicle Technologies
Control Theory and Applications
Robotics and Autonomous Systems
Intelligent Control
Optimal Control
Robust Control
Adaptive Control
Linear and Nonlinear Control Systems
Complex Adaptive Systems
Industrial Automation and Control Systems Technology
Modern Electronic Devices
Power, Energy, and Industry Application
Components, Circuits, Device, and System Field
Wave and Electromagnetic
Photonics & Electro-Optics

Microwave Theory and Techniques
 Microwave Devices and Circuits
 IT and Management
 Power Systems
 Transmission Systems
 MIMO and MEMs
 Air Interface

Wave Propagation and Antennas
 Nano Technology
 Grid Technology
 VLSI and SOCs
 Renewable Energy
 Clean Energy
 Sustainable Technology in VLSI

Workshop

Advanced Embedded System Design

S. No.	Content	Name of Module	Projects Name	Hours
1.	BASIC ELECTRONICS			
	Basic Electronics	LED, resistors, LCD, relay, capacitors, inductors, transistors, DC motor, ULN2003, DIP, IC, transformer, PCB,GSM, RFID, Bluetooth, Im35, DTH11, ultrasonic sensor, smoke sensor, types of sensors, types of microcontrollers, L293D, ultrasonic sensor, Joystick, IR sensor, color coding, soldering tips and tricks and lots more.		
2.	AVR microcontroller	LED	1. Making of different LED's pattern.	
		RFID Module	1. Making of SMART METRO System. 2. Making of SMART ATM Monitoring. 3. Making of smart attendance system.	
		GSM Module	1. How to send and receive calls from other mobile. 2. How to send and receive message from other mobile.	
		RFID + GSM	1. Interfacing RFID with GSM 2. Making of smart attendance system	
		LM35	1. Making of smart home monitoring system. 2. Display of temperature in both Celsius and Fahrenheit.	
		Bluetooth	1. Making of Bluetooth based robot. 2. Making of e-notice board.	
3.	Arduino Microcontroller	LED	1. Making of different LED's pattern.	
		PIR Sensor	1. Making of PIR based human detection. 2. Making of PIR based GSM system	
		DTH11 Sensor	1. Making of smart monitoring system	
		PIR +DTH11 sensor	1. Interfacing both PIR with DTH11 sensor for smart home.	
		Ultrasonic Sensor	1. Making of smart RADAR.	
		LM35	1. Making of smart home monitoring system. 2. Display of temperature in both Celsius and Fahrenheit.	

Important Dates

Last date of Abstract Submission:

17th December 2018.

Last date of Full Length Research Paper & Copyright

Form submission:

18th December 2018.

Last date of Submission of Registration Details:

19th December 2018.

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.900/- 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).**

Mandatory steps to be followed:-

1. Abstract should be maximum **300 words**, full length research paper should be maximum **6 pages**.

Registration Charges:

Categories	Indian Delegates	Rest of the countries
Academic faculty/Industrial Delegates	3000 INR	250 USD
Research Scholars(Ph.D.)	2500 INR	200 USD
Students(UG and PG)	2000 INR	150 USD
Printing of Additional Pages as chapter in edited book/proceeding /in Journals	400 INR	20 USD
Listener / Accompanying Member (only Indian Delegates)	1000 INR	**
Print copy of research article as chapter in edited book/ proceeding/ Journal & Certificate (additional copy) for Co-Authors (if required in absentia)	700 INR	30 USD
Only Print copy of research article as chapter in edited book/ proceeding /Journal (additional copy) for Co-Authors (if required in absentia)	400 INR	25 USD
Only Certificates (Co-Authors in absentia)	400 INR	20 USD
Additional Research paper for same authors	1000 INR	35 USD

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

For further information and Latest Updates
visit our Website

<http://krishisanskriti.org/merdie.html>

E-mail: info.engineeringconference@gmail.com

2. In case of multi authored research paper, at least one Registration is mandatory.
3. 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.
4. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
5. 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.
6. All Selected papers will be available online after 15 to 20 days of conference date over.

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

Bank Name : Canara Bank

Bank Address : Jeet Singh Marg, New Delhi

Account No. : 1484101026988

Account Type : Savings

IFSC Code : CNRB0001484

Swift Code- : CNRBINBBID

Dr. Vikas Rai,
Organizing Secretary

Dr. B. B. Singh,
Co-Convener

Dr. G. C. Mishra,
Conference Chair

Contact No. : +91-8527006560