

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

**"Electronics Communication, Robotics, Data Mining, Information Sciences and Electrical Engineering"**

**(ERDIE- 2019)**

Organized by

**"Dr. G. C. Mishra Educational Foundation"**

On

**30<sup>th</sup> March 2019**

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

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### Call for Papers and Conference Themes

The International Conference on **"Electronics Communication, Robotics, Data Mining, Information Sciences and Electrical Engineering"** (ERDIE- 2019) will be held during March 30, 2019 at JNU, New Delhi, India. The **ERDIE- 2019** 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 Electronics Communication, Robotics, 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**

#### **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

#### **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

# Workshop

## Advanced Embedded System Design

S. No.	Content	Name of Module	Projects Name	Hours
1.		<b>BASIC ELECTRONICS</b>		
	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.	<b>AVR microcontroller</b>	<b>LED</b>	<b>1. Making of different LED's pattern.</b>	
		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.	<b>Arduino Microcontroller</b>	<b>LED</b>	<b>1. Making of different LED's pattern.</b>	
		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:  
**25<sup>th</sup> March 2019.**

**E-mail: [info.engineeringconference@gmail.com](mailto:info.engineeringconference@gmail.com)**

Last date of Full Length Research Paper & Copyright Form submission:

**26<sup>th</sup> March 2019.**

**E-mail: [info.engineeringconference@gmail.com](mailto:info.engineeringconference@gmail.com)**

Last date of Submission of Registration Details:  
**27<sup>th</sup> March 2019**

## 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**.
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.

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 Online Transfer**)

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

**Beneficiary Name** : Dr. Govind Chandra Mishra  
Educational Foundation

**Bank Name** : Canara Bank

**Bank Address** : Jit Singh Marg, New Delhi

**Account No.** : 1484101037210

**Account Type** : Saving

**IFSC Code** : CNRB0001484

**Swift Code-** : CNRBINBBBID

## 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/erdie.html>

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