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### Welcome to IRECS-2018

International Conference on Innovative Research in Engineering, Computers and Sciences (IRECS-2018) is being organized at Goa, INDIA during January 19-21, 2018 by **Universal Research Foundation (URF)** in collaboration with **Sharda University, Greater Noida, U.P INDIA** and **Chirala Engineering College, Chirala, A.P.** The Venue of the conference is **Vivanta by Taj- Panaji, Goa**. The objective of the IRECS-2018 is to bring together the experts from academic institutions, industries, leading engineers, Scientists & scholars to exchange and share the experiences and results in the field of Mechanical, Electronics & Communication, Computer Science, Electrical, Civil Engineering and Sciences. Conference provides a platform in exchange of views & dissemination of knowledge. The practical challenges encountered and the solutions adopted for the innovative research in different field of application will also be explored. All the accepted and registered papers will be published in the UGC Approved Journals. An effort will be made to publish extended version of quality presented papers in special issues or edited volumes of peer reviewed SCOPUS indexed International Journals.

Full Length Papers/Extended Abstracts are invited for the International Conference on innovative Research in Engineering, Computers and Sciences (IRECS-2018) within the scope of the conference. All contributions must be original and should not have been published or submitted elsewhere.

- Full Length Papers limited to 6 pages: The submissions are more descriptive of the work that has been done which includes an Abstract, an introduction, a results/discussion section including Tables/images/graphs and a reference section.
- Extended Abstracts around 500 words: The submissions must give a clear indication of the objectives, scope, and results (if available) of the research. No figures or tables are allowed.

The conference discussion may include the following and the related areas but not limited to:

**Mechanical Engineering:** Production and Industrial Engineering, Quality Engineering, Thermal Engineering, Machine Design, Robotics and automation, mechatronics, finite Element Analysis, Computational Fluid Dynamics, Non conventional Machining, Energy Engineering and Conversion, Renewable Energy, Green Design/Green Manufacturing, Petroleum and Mining Engineering, Fluid Mechanics and Machinery, Material Science/Engineering Materials, CAD/CAM/CAE/CIM, Automobiles, Instrumentation and Control and other relevant topics related to Mechanical Engineering.

**Electronics & Communication Engineering:** Reconfigurable Systems, Analog/Digital/Mixed-signal Circuits, VLSI for DSP Biomedical Applications, ASIC & SOC, CAD for VLSI, RF Circuit Design, Bio-MEMS/NEMS, MMIC & CMOS Circuits, Nano-fabrication & Computing Materials for Electronics, Integration of Electronic Systems, Instrumentation for Communication, Biomedical Sensors & Instrumentation, Embedded Systems, Industrial Instrumentation, Industrial Electronics, Opto Electronics, Nano Electronics, Optical Communication, Wired/Wireless Communication, Communication and Wireless Adhoc Networks, Satellite Communication, 4G, 5G and LTE, Optimization Methods and other relevant topics related to Electronics and Communication Engineering.

**Electrical Engineering:** Fundamentals, Materials, Power Systems, Transmission & Distribution, HVDC and FACTS, HV Engineering, Information & Control Systems, Environment, Renewable energy & Energy Efficiency, Electrical Machines and Motor Drives, Sensors & Micro-machines, Other Related Areas.

**Computer Science & Engineering:** Algorithms and Applications, Big Data Management, Cognitive Computing, Information Technology, Data Mining and Ware housing, Grid Computing, Intelligent Computing, Mobile and Sensor Computing, Nano Computing, Parallel, Cloud and Distributed Computing, Cluster Computing, Supercomputing, Mobile Computing, Grid and Semantic Grid Computing, Workflow Design and Practice, Computer and Network Architecture, Scientific Visualization, Computer Graphics, Geometric Modeling, Pattern Recognition, Image Processing, Web3D, Virtual and Augmented Reality, Bioinformatics, Security Engineering, Risk Analysis, Software Engineering, Artificial Intelligence, Security Engineering, Risk Analysis, Information Retrieval and other relevant topics related to Computer Science & Engineering.

**Civil Engineering:** Advanced Construction Materials, Building Information Management (BIM), Building Technology, CAD (including steel, concrete, masonry and composite), Civil Engineering Surveying, Climate Change, Coastal Engineering, Computer Aided Analysis and Design, Construction Automation, Dam Engineering, Disaster Prevention and Mitigation, Earthquake Engineering, Environmental Engineering and Modeling, Fire Structural Design, Geotechnical and Geological Engineering, Hydrology and Hydraulic Engineering, optimization of Structures, Nanotechnology in Constructions, Project and Construction Management, Public Transportation, Railway Engineering, Sanitary and Groundwater Engineering, Wind Engineering, Road and Highway Engineering and other relevant topics related to Civil Engineering.

**Sciences:** Pharmaceutical Science, Agriculture, Architecture, Astronomy, Biology, Biotechnology, Life Science, Biochemistry, Chemistry, Chemical Engineering, Geology, Geophysics and Geological Engineering, Health Sciences, Mathematics, Medicine, Nanotechnology, Physics, Statistics, Veterinary Medicine and other disciplines related with sciences.

Please note that a MS word (doc/docx) template is available to guide the authors in formatting the papers/manuscript/Abstract. The submissions must comply with the template available on the conference website at [www.urfconferences.com](http://www.urfconferences.com).

## About Universal Research Foundation (URF)

Universal Research Foundation (URF) has been established to recognize the research abilities and innovative achievements from the academic and professional research to the industry professionals in a wide range of topics including Engineering, Computers, Sciences, Pharmaceutical Sciences, Social Sciences, Management, Arts and Humanities etc.

URF brings together Scientists, researchers, students, and academicians around the globe for implementing the novel research ideas for the benefit of the mankind and society. URF organizes conferences and also publishes high quality academic international journals in Engineering, Computers, management and Sciences.

The Universal Research Foundation welcomes the Scientists, Professors, Researchers, Academicians, Engineers and Research Scholars around the globe for joining as a member. Its basic aim is to promote scientific and research activities for the beneficial to the mankind and society in different research areas. URF provides a forum for exchanging the novel research ideas, research results and the realistic implementation for the benefit of the mankind and the society. The URF is dedicated to the quality in intellectual research and novelty while taking up the multiplicity.

### About Goa

Goa is a state in India within the coastal region known as the Konkan in India. Panaji is the state's capital, while Vasco da Gama is its largest city. The historic city of Margao still exhibits the cultural influence of the Portuguese, who first landed in the early 16th century as merchants and conquered it soon thereafter. Influenced by over 450 years of Portuguese rule and Latin culture, Goa presents a somewhat different representation of the country to foreign visitors. The state of Goa, in India, is famous for its beaches and places of worship, and tourism is its primary industry. Major tourist attractions include: Bom Jesus Basilica, Fort Aguada, a wax museum on Indian culture and a heritage museum. The Churches and Convents of Goa have been declared a World Heritage Site by UNESCO. Goa's beaches cover about 125 kilometres (78 miles) of its coastline. These beaches are divided into North and South Goa. North Goa is more commercial and touristy; whereas South Goa is where most private beaches are located. A notable exception in South Goa is Palolem Beach which is one of the most visited beaches in Goa. Some of the more popular beaches are Colva, Calangute, Baga and Anjuna.

### Important Dates

	Full Length Paper/Abstract Submission	Notification Deadline	Early Bird Author Registration
First Phase	<del>October 15, 2017</del>	<del>October 25, 2017</del>	<del>November 15, 2017</del>
Second Phase	<del>November 15, 2017</del>	<del>November 25, 2017</del>	<del>December 10, 2017</del>
Third Phase	<del>December 15, 2017</del> <del>December 25, 2017</del>	<del>December 20, 2017</del> <del>December 30, 2017</del>	December 31, 2017

## Paper Submission

- Upload MS word (doc/.docx) format of the paper before the submission deadline.
- The full Length Paper/Extended Abstract can alternately be submitted at [submission2018@gmail.com](mailto:submission2018@gmail.com) with the subject IRECS2018.
- The entire paper (title, abstract, keywords, main text, figures, tables, references, etc.) must be in ONE document created in MS WORD (compatible mode). The text should be justified.
- References should be provided using American Psychological Association (APA) guidelines.
- Check that the paper prints correctly (i.e. all imported figures and tables are there) and ensure that the file is virus-free.
- Changes in the paper title, authorship and paper contents shall not be possible after the submission deadline.
- Submission of a paper implies that if the paper be accepted, at least one of the authors will register and present the paper in the conference.
- Kindly indicate the name of the corresponding author in case of two or more authors.
- All conference related mails will be addressed to the corresponding author only.

## Registration Fees

Category	Indian Delegates			Foreign Delegates		
	First Phase	Second Phase	Third Phase	First Phase	Second Phase	Third Phase
<b>Delegates (Academician)</b>	4000 INR	4500 INR	5000 INR	200 USD	225 USD	250 USD
<b>Delegates (Industrial)</b>	5000 INR	5500 INR	6000 INR	250 USD	275 USD	300 USD
<b>Student/ Research Scholar</b>	3000 INR	3500 INR	4000 INR	150 USD	175 USD	200 USD
<b>Presentation only</b>	2500 INR	3000 INR	3500 INR	150 USD	175 USD	200 USD
<b>(Without Paper Publication)</b>						
<b>Attending the conference</b>	2000 INR	2500 INR	2500 INR	120 USD	150 USD	150 USD
<b>Accompanying Person</b>	1500 INR	2000 INR	2000 INR	100 USD	120 USD	120 USD

### Please Note the Early Bird Registration Deadlines:

First Phase: 15<sup>th</sup> November, 2017  
 Second Phase: 10<sup>th</sup> December, 2017  
 Third Phase: 31<sup>st</sup> December, 2017

The registration fee includes:

- Access to all sessions
- Full length paper publication upto 6 pages in UGC approved Journal (Extra Page @INR 500/USD 10 per page)
- Conference kit and certificate of presentation/attendance
- Refreshments (Tea/Coffee/Snacks) and Lunch on January 20, 2018

**Note:** Registration fee does not cover accommodation charges. In case of more than one author, it is mandatory for at least one author to get registered for the conference to ensure the paper publication. However, if all the authors want to attend the conference, they shall register individually.

## Conference Publication

The peer-reviewed Full length conference papers will be published in the UGC approved Reputed International Journals having ISSN Number. Based on Editor's review, few selected papers may be published in the Scopus Indexed International Journals. There is an additional payment for the publication of paper in the Scopus indexed journals which is to be paid by the authors after acceptance.

The corresponding authors of accepted papers are required to please fill, complete, sign and send the copyright form along with your Camera Ready Submission to [submission2018@gmail.com](mailto:submission2018@gmail.com). Failure to comply, the paper will not be considered for publication.

All submissions must be plagiarism free and upto 15 % acceptable limit.

## Registration Form and payments

Participants will be required to fill the online registration form. Registration fee may be paid through Debit/Credit Card/Internet Banking

## Conference Venue

### Vivanta by Taj- Panaji, Goa

D. B. Bandodkar Road, St. Anne's Junction,  
 Panjim, Goa 403001, India