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The Trust is a Recipient of Prestigious Rajyotsava State Award 2012 Conferred by the Government of Karnataka

Awarded Outstanding Technical Education Institute in Karnataka-2016 Ring Road Bellandur Post Near Marathalli Bangalore -560 103 INDIA

# TOP ENGINEERING COLLEGE OF INDIA asper



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2018 Ministry of Human Resource Development, Government of India





**AICTE SPONSORED** 



International Conference

"Research Perspectives: IoT in Hybrid Grid **Integrated Renewable Energy Sources** 

(ICIRES - 2019)

19th to 21st December 2019



All reviewed papers will be published in UGC approved journals and selected paperswill be published in Springer, IETE Journal, Institution of Engineers (India), Scopus, Web of Science

> New Horizon College of Engineering Outer Ring Road, Marathahalli, Bangalore - 560103

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**Dr.R.Venkatesan**, Head, Ocean Observation Systems, National Institute of Ocean Technology **Shri.T.M.Gunaraja**, President, The Institution of Engineers (India)

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Prof.H.S.Bhatia, Chairman, IETE

# INVITED KEYNOTE SPEAKERS



**Dr. Shaun Whitehead**Creationeering/Scoutek Ltd



**Dr.Meir Ariel**Director, Herzliya Science Center



Gen.(Ret.) Prof Chaim Eshed Chairman, Space Committee Israel National Council for R & D Israel



**Ms.Rei Kawashima** Secretary General, UNISEC-Global Japan



**Prof. Santoni Fabio**Roman University
Italy



Romeo Kienzler Chief Data Scientist IBM Watson IoT Switzerland



Prof.Sundaraja Sitharama Iyengar Florida International University USA



**Dr. Javeed Ahmed Khan**Electrical Engineer and Operational Technology
Consultant
Scarborough, Canada

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Dr.R.J.Anandhi, Prof & Head-ISE, NHCE
Dr.Anitha Rai, Head-Library, NHCE
Dr.Srinivasa.G. Prof & Head-Mathematics. NHCE

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Ms.Aruna, Head-Admissions, NHCE

# **About College**

New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University(VTU), approved by the All India Council for Technical Education(AICTE) & University Grants Commission(UGC). It is accredited by NAAC with 'A' grade & National Board of Accreditation(NBA). It is one of the top engineering colleges in India as per NIRF rankings – 2018 and an ISO 9001:2008 certified institution. New Horizon College of Engineering is located in the heart of the IT capital of India, Bangalore. The college campus is situated in the IT corridor of Bangalore surrounded by MNCs and IT giants such as Intel, Accenture, Capegemini, ARM.Symphony, Wipro, Nokia, JP Morgan and Cisco to name a few.

NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. The infrastructure acts as a facilitator for the effective delivery of the curriculum. NHCE boasts of state-of-the-art facilities for its students. The students are given utmost encouragement in their areas of interest by providing hi-tech facilities backed by faculty support. The institute places highest priority on innovative programs of instructions that include both traditional class room theory and professional skills training. There is a strong impetus on overall personality development of the students with emphasis on soft skills. Students are supported through mentoring and counseling systems. The management offers scholarships to meritorious students. At NHCE, from the moment a student walks into the campus, he/she is well guided to know his/her strengths and choose an area of functional specialization. This enables students to concentrate their efforts and energies to gain the competitive edge. NHCE has an unique distinction of achieving 100% admissions in all its courses year after year.

NHCE has Centre of Excellence with reputed industries like Adobe, HPE, Vmware, Schnieder Electric, SAP, Quest Global, CISCO.

## CONFERENCE PREAMBLE

The International Conference on Research Perspectives: IoT in Hybrid Grid Integrated Renewable Energy Sources (ICIRES) provides a common forum for deliberations, sharing of recent trends, advancements and research in the areas of Science, Technology, Engineering and Management. This multi-disciplinary conference will be a very good platform for academia, researchers, industry practitioners and technologists from all over the world to discuss and present recent advances and research outcomes in their respective fields. We are in the process of finalising the eminent persons.

ICIREMS aims to provide an environment where the authors and participants can establish research relations and collaborations with various eminent academicians, research fellows, scientists from India and abroad.

# **CALL FOR PAPERS (Best paper will be rewarded)**

The ICIRES-2019 invites full length original research contributions not submitted to any other journal/conferences. We invite technical papers on, but not limited to, following domains.

# CSE/ISE/MCA

# **Machine Intelligence**

- Big Data, Data Sciences and Cloud Computing
- Machine Vision, Informatics and Intelligent Systems
- Network Communications, Cyber Security and Information Security
- High Performance Computing, Human Computer Interaction
- Advanced DBMS, Advanced Software Engineering
- Network Communication, IoT
- Interdisciplinary Application

# ECE/EEE

# **Emerging Technologies for Smarter and Intelligent world**

- Electric Vehicle (EV) Integration
- Energy Resources for Portable Electronics and Transportation Systems
- Industrial and Building Automation Systems
- Power Management for Smart Home, Smart Buildings, Smart Cities
- Renewable Power System Analysis
- Embedded/VLSI Systems for Electrical / Electronics Application

# **MECH/AUTO**

# Modern Technologies & Automation

- Advanced Safety Technologies
- Assisted and Automated driving
- Hybrid & Electric Vehicle
- Engine & transmission technology
- Computational fluid dynamics / CFX
- Advances in Nano Technology and Surface Engineering
- Advanced 3D Modelling Techniques and Simulation
- Advanced Robotics & Automation
- Digital Manufacturing & Industry 4.0

#### CIVII

# **Green Technologies**

- Green Building Technologies
- Smart Materials and Composite construction
- Structural Health Monitoring
- Construction materials/Technologies for affordable housing
  • Remote Sensing and GIS Application
- Computational Fluid Dynamics
- Tunnelling and underground constructions

#### MRΔ

# **Innovations in Business Management**

- Blending business with technology for competitive advantage
- Digitalization of business-Challenges and opportunities
- Business sustainability
- Agile management
- Green management
- Social media-Its impact and influences
- Work place diversity
- Compliance complexities
- Sustainability challenges in turbulent environments
- · Design thinking

# Sciences & Humanities

# Sciences

- Materials for energy storage and conversion
- Materials for sensing applications
- Nanomaterials synthesis and characterisations
- Dielectric and magnetic studies of materials
- Forensic applications
- Materials for environmental remediation

- Advanced polymers and polymer composites
- Analytical and spectroscopic studies
- Biomass conversion
- Pure mathematics Algebra

Calculus and Analysis Geometry and topology Graph Theory and Combinatorics

 Applied mathematics Dynamical systems and differential equations Probability and statistics Mathematical Modelling Fluid Dynamics

# **Contemporary Innovations in Libraries**

- Best practices for Libraries
- Virtual Libraries and Ontology
- e-Learning Library Services Marketing
- Social Intelligence & Cultural Network Tools
- User satisfaction in the Digital Age
- Open Source Software for Social Usage
- Mobile Technology in Library Services
- Cloud Computing Services for Libraries

# **Biosciences**

- Plant Biotechnology
- Microbial Biotechnology
- Nanotechnology
- Bioinformatics
- Renewable Energy resources
- Molecular Biology
- Protein Chemistry
- Pharmaceutical Biotechnology

# **Humanities**

- Industry Institute Interaction for better emplovability
- · Developing Creativity, Criticalthinking and Decision making through Design Thinking
- The integration of Life Skills in Common Curriculum for Engineering and Management students
- Communication and Soft Skills for a better career
- Effectiveness of English Language Lab for better communication
- 21st Century Learning Skills
- Mastering soft skills for workplace success
- Life Skills leads to empowerment and employability

## SUBMISSION GUIDFLINES

- All papers should be original, unpublished, not submitted to any other journal/conferences, in pdf format as per the guide lines and IEEE format given in the conference website\_ www.newhorizonindia.edu/nhengineering/icires2019
- Please mail your original manuscript mentioning your name, contact details and e-mail id to icires 2019@newhorizonindia.edu
- All submitted papers will be checked for plagiarism and papers which are not satisfying the criteria will be summarily rejected
- Notification of acceptance will be through email
- All reviewed papers will be published in UGC approved journals and selected papers will be published in Springer, IETE Journal, Institution of Engineers (India), Scopus, Web of Science
- Registration will be confirmed only after the payment of registration fee and at least one
  author must be present for the conference. Registration form is available in the conference
  website
- Registration fee includes publication charges, conference kit, lunch and banquet

# **IMPORTANT DATES**

31st Oct 2019
4th Nov 2019
15th Nov 2019
20th Nov 2019
30th Nov 2019
19-21st Dec 2019

## DETAILS OF REGISTRATION

AUTHORS	REGISTRATION FEE
Attendee	Rs. 3000/-
Academia/Faculty	Rs. 6000/-
Industry	Rs. 7000/-
Foreign Delegates	200 USD (Skype Presentation Permitted)

## MODE OF PAYMENT

Registration fee to be paid through NEFT as per the details given below:

Bank Name: Indian Bank

Branch: New Horizon College of Engineering, Bangalore, India

Account Number: 484700078
Account Type: Savings Account
IFSC Code: IDIB000N112

## **ACCOMMODATION**

Accommodation will be provided on prior request @Rs.500/- per day. For accommodation contact:

Mr. Surya Prakash(Registrar) - 9731922177

Ms. Padma- 9008793090

## How to Reach

FROM CITY RAILWAY STATION / CITY BUS STAND(K.S.R.T.C) – Walk to Majestic BMTC Bus stand FROM MAJESTIC BMTC BUS STAND 15km to NHCF

Platform No: 17 Bus No: 333, 335 A, 334, 323, 327 G

Get down near Marthahalli Bridge. From Marthahalli Bridge to NHCE is nearly 3 Kms. Get into any 500 series bus going towards Banashankari/Silkboard and get down at New Horizon College

FROM KR PURAM (Nearest Railway station) 10km to NHCE

Get into any 500 series bus going towards Silk Board and get down at New Horizon College

KEMPEGOWDA INTERNATIONAL AIRPORT (Nearest Airport) 47km to NHCE

Get a taxi or bus No.: KIA8 and get down at New Horizon College

## For Details Contact

- Conference Organizing Secretary Dr.S.Sujitha, - 9942372240 icirems 2019@newhorizonindia.edu
- Steering Committee

Dr.B Rajalakshmi - 9841711347 Dr.Sanjeev Sharma - 7829176479 Dr.R.J. Anandhi - 9845705705 Dr.Anitha Rai - 9731034730 Dr.Sriniyasa.G - 9449817583



# Places to visit in and around Bangalore

**Lalbagh Botanical Gardens**, a well-known botanical garden with a spread of 240 acres. The garden features rare plants of French, Persian and Afghani origin.

**Bannerghatta National Park**, has a huge variety of fauna, making it one of the most enjoyable tourist attractions in the city. Lions, Tigers, Crocodiles etc can be spotted.

**Cubbon Park**, is a major sightseeing attraction, with 300 acres of green foliage. Having been laid down by Lord Cubbon, it is an ideal place for nature lovers and those seeking a calm atmosphere. **Bangalore Palace**, an epitome of great architecture and beauty. The Majestic Bangalore Palace preserves in it the spice of old regal opulence.

Mysuru, 139km from Bangalore. The erstwhile capital of the Mysore Maharajas still retains its old world charm with its palaces, heritage buildings, traditions and temples.

Chikmagalur, 200km from Bangalore. A pristine location sprawling in the extensive Western Ghats, offers several tourist sights like Mullayanagiri, Hebbe Falls, Baba Budangiri, Kemmangundi, Kudremukh National Park, Kalhatti Falls, Bhadra Wildlife Sanctuary, etc.

Coorg, 260km from Bangalore. Gifted with nature's bounty, you will see lush green landscapes, coffee plantations. The attractions include Abbey Falls, Kumara Parvatha trek, Tadiandamol, etc.

# Weather in Bangalore in December

December is one of the best months of the year to visit Bangalore with temperatures between 12° to 28°. Early morning fog can be expected.