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IMPORTANT DATES

Deadline for submission of abstract : 30 September 2018

Notification of acceptance : 05 October 2018

Deadline for Early Bird Registration : 15 October 2018

Last date for Registration : 16 November 2018

Conference Dates : 14-16 December 2018

DELEGATE FEE

Delegate Rs. 5500 (Indian), \$250 (Foreign)

ISE/IIIE Members Rs. 4000

Students Rs. 2000 (Indian), \$100 (Foreign)

CONFERENCE FEE PAYMENT

The fee to be paid in favour of
"HWWE 2018"

account with

State Bank of India, Engineering College Branch, Trivandrum-16

Current A/c No: 37908764848

IFSC: SBIN0070268

MICR: 695009037 SWIFT: SBININBBT08

CONFERENCE VENUE

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2018

HWWE

Humanizing Work and Work Environment



16th INTERNATIONAL CONFERENCE ON Humanizing Work and Work Environment



AT

COLLEGE OF ENGINEERING TRIVANDRUM

DECEMBER 14-16, 2018

THEME

"TECHNOLOGY ENABLED WORKPLACE DESIGN"

ORGANISED BY

DEPARTMENT OF MECHANICAL ENGINEERING &
CET SCHOOL OF MANAGEMENT
COLLEGE OF ENGINEERING TRIVANDRUM

KNOWLEDGE PARTNERS

INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING
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International Ergonomics Association

WELCOME TO HWWE 2018

16th International Conference on Humanizing Work and Work Environment

International Conference on Humanizing Work and Work Environment (HWWE) conference is one of the important annual events in the field of Human Factors and Ergonomics by **Indian Society of Ergonomics**. The first HWWE conference was held in 2001. HWWE serves as a major forum for the exchange of ideas concerning the improvement in work and work environment. One of the important resources of any activity being human being, the utilization of this resource is important for growth of an economy. Ergonomics provides suitable ways of doing and completing manual task that leads to improvement of productivity. Ergonomics not only improves the productivity by making the task less strenuous but also concentrates on the environmental safety and health of human beings. Ergonomics focuses on design and evaluation of tasks, workplace, tools, equipment, implements, and the work system as a whole.

This conference offers a platform for researchers, practitioners, manufacturers and academicians to discuss the ongoing research across the world and help exchange ideas in addressing work related issues faced by human beings in all facets of daily activities. The current conference theme of HWWE 2018, "Technology Enabled Workplace Design", highlights the endless needs of human beings in his never ending quest to improve human life and aims to serve as a confluence of ideas emerging from every aspect of technology implementation in making the life more beautiful. HWWE 2018 thus targets to provide ways to improve self, the environment he/she works, and to benefit everyone interacting in man-machine work systems. The organizers of HWWE 2018 invite everyone who can contribute to or benefit from this great event that aims the exchange ideas in the field of Ergonomics/Human Factors Engineering and related fields like Medicine, Psychology, Information Technology and more. Participating in this edition of HWWE also will provide an opportunity to explore and experience the beauty of the "God's Own Country" Kerala, its heritage, historical importance, art and culture, and to become part of it. The host institution College of Engineering Trivandrum (CET) is one of the oldest engineering colleges in India which celebrated its Diamond Jubilee recently and is located in the southern tip of the peninsular region with a vast expanse of greenery. The institution houses country's oldest Industrial Engineering and Management Programmes which were started three decades ago. CET welcomes all to its premises to make this event a successful and memorable one.

ABOUT COLLEGE OF ENGINEERING TRIVANDRUM



The College of Engineering, Trivandrum was established in 1939 as the first engineering College in the then Travancore State. The first classes were started on 3rd July 1939 during the reign of the Travancore King, Sri Chithira Thirunal Balarama Varma and as the head of the then Travancore state he deserves his share of credit in the establishment of the college.

Initially the College was housed in the former office and bungalow of the Chief Engineer (present PMG Office). Maj T.H. Mathewman, a Britisher was the first Principal. Started as a constituent College of Travancore University, the College had an initial intake of 21 students each for Degree and Diploma courses in Civil, Mechanical and Electrical branches. With the establishment of the Directorate of Technical Education in the late fifties, the College administration came under the control of the Government of Kerala. The College was shifted to the present sprawling 125 acres in 1960. Over the years, the intake of students increased and as of now with eight full-fledged departments offering eight undergraduate, 19 postgraduate and doctoral programmes under the University of Kerala, the College has around 3500 students, 285 teaching staff and 290 non-teaching staff. B.Tech, B.Arch, M.Tech, M.Plan, MCA and MBA and evening courses are also offered by the College.

DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering has been the heart and spirit of this premier institution right from its inception. Rated very high, this department is the Alma Mater of several technocrats and researchers world over. This is the largest Department of the Institution in terms of strength of students, technical staff and faculty. The faculty members have published more than 200 papers in national/international Journals and Conferences during the last 5 years and fetched many awards. Most of the programs offered by the department are accredited by NBA. The department is an approved research centre in the Faculty of Mechanical Engineering and also in the Faculty of Industrial Engineering and Management.

CET SCHOOL OF MANAGEMENT

The College started MBA programme in 1985 as an evening programme to enrich the practicing managers in professional management. This programme has been well received by the practicing management fraternity and continues to be in the forefront. The department of current status was started in 2000 with the commencement of full time MBA programme. Areas for specialization are Marketing, finance, Systems, Human resources Management and Operations Management. The Department of Business Administration maintains a separate library with more than 4000 volumes and subscribes to a large number of Indian and foreign print and electronic journals.

The total number of seats for MBA (Full-time) programme is 60 and that of Part-time programme is 30. Teaching methodology includes class room lecturers, discussions, case study presentations, mini projects, PROWESS based projects, role plays, web-based assignments, term papers, group activities etc. A Department of the current status was started in the year 2000 with a full-time MBA programme. Already, fifteen batches of students have completed the full-time programme in this Department. The department is also an approved research centre. The MBA programme is accredited by NBA. The department takes up consultancy, conducts research and offers several training programmes for the benefit of executives, staff and faculty.

KNOWLEDGE PARTNER INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING

The Indian Institution of Industrial Engineering (IIIE) is a not-for profit organization and a registered society for propagating the profession of Industrial Engineering in India and is also a registered Public Trust under the Bombay Public Trust Act 1950. It is dedicated to the advancement of Industrial Engineering education and practice and to the application of such scientific knowledge to assist in the management of all endeavours.

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The IIIE National Headquarters (NHQ) is located at CBD Belapur, Navi Mumbai in its own premises known as IIIE Bhavan. The building has three stories with a total area of 9,000 sq.ft. The Institution has well-organized secretariats for organising Programmes (Seminar, Workshop, Conferences and Conventions). Publication, conducting Graduateship Examinations and General Administration with extensive computer network for all the sections and staff. The Institution also has a well-organised Library and well furnished class rooms and a conference hall. An auditorium and other facilities under implementation

The Chapter has won the Annual best chapter award from the National Headquarters 3 Times.

Trivandrum Chapter of IIIE also has established Office functioning in its own premises since 2016.



TRACKS

1. Agriculture Ergonomics
2. Anthropometry and Workplace Design
3. Applied Anthropometry and Seating Design
4. Biomechanics and Modelling in Ergonomics
5. Biomedical Engineering
6. Cognitive and Environmental Ergonomics
7. Cognitive Ergonomics
8. Ergonomic Intervention and Productivity
9. Ergonomics for Aged and Differently Aabled
10. Ergonomics in Defense
11. Ergonomics in Operations, Manufacturing, and Product development
12. Ergonomics in Transport, Mining, and Forestry
13. Healthcare systems, Work Physiology and Sports Ergonomics
14. Human-Computer Interaction and User-Centered Design
15. Industry 4.0 and Ergonomics
16. Manual Material Handling
17. Noise and Vibration Engineering
18. Safety, Occupational Health, and Musculoskeletal Disorders
19. Soft Applications of Ergonomics