



Mahatma Education Society's
Pillai College of Engineering



Conference
On
“Technologies for Future Cities”
(CTFC-2019)
On
8th - 9th Jan 2019
Organized by

Pillai College of Engineering (PCE)

Dr. K. M. Vasudevan Pillai Campus
Plot No. 10, Sector 16, New Panvel – 410206
Maharashtra, India

Contact:

Website : www.pce.ac.in

Email: ctfc@mes.ac.in



About Pillai College of Engineering:

Pillai College of Engineering (Erstwhile Pillai Institute of Information Technology until April 2016), established in 1999 under the patronage of Dr K M Vasudevan Pillai, has always sought to develop in its students a sound technical foundation while encouraging their natural curiosity and believes the true success of engineering in complementing theory with practice. The institute is affiliated to the University of Mumbai, approved by All India Council for Technical Education (AICTE), New Delhi and is recognized by Government of Maharashtra and DTE, Maharashtra. The institute strives to provide state of the art facilities conducive to effective teaching-learning, research and consultancy. It further takes every effort in inculcating in the minds of students the respect for the environment. PCE is approved Research Centre of Mumbai University, which offers PhD degrees in Mechanical Engineering, Computer Engineering and Information Technology. Pillai College of Engineering has successfully undertaken and completed urbanization studies for UN office project on 'Urban Expansion' in collaboration with New York University and continues to provide consultancy in similar fields to Tata Consultancy Engineering (TCE) and CIDCO.

About Conference:

Humanity expects more inflow to cities in near future. Technologies need to evolve to keep pace with the anticipated urbanization to support a sustained increase in standard of living. Needs are diverse, from simple basic to complex sophisticated desires. A collective solution demands merger of cutting edge technologies through collaborative engineering. The problems are bound to be multidisciplinary and the required approaches need to be interdisciplinary. This conference aims at providing a common platform for experts and novices to meet, present their work and exchange ideas on the diverse fields possibly aiding the subject cause in near future. The conference would consist of contributory papers and invited talks. The full details of the conference are available on www.futurecities.mes.ac.in

About Panvel, Navi Mumbai:

Panvel is the first Municipal Corporation of Raigad, has been the oldest municipal council of Maharashtra. The city is also famous for its heritage of lakes, temples, nearby sanctuary and forts. The authority of City and Industrial Development Corporation (CIDCO) has been the backbone in the development of Panvel. Panvel on the outskirts of Mumbai has been all set to become the new transportation hub of Maharashtra serving the major trade and passenger routes by road, rail and air. It is reachable from Mumbai railway stations by local train and by taxi from Mumbai airport. Depending on the starting point, the travel time varies but, generally, does not exceed 90 minutes.

International Advisory Committee

- Dr. Leisa Armstrong, Edith Cowan University, Perth, Australia
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- Mr. Pankaj Joshi, Urban Planning, Heritage conservation Committee, MMRDA, Mumbai
- Ms. Pritika Hingorani, IDFC Institute, Mumbai
- Dr. Sourabh Jain, Global Foundries, Mumbai
- Dr. A R Kambekar, S P College, Mumbai
- Mr. Prashant Khankhoje, Director, Global Energy Pvt Ltd, Mumbai
- Dr. Vijay Kulkarni, Shapoorji Pallonji Infrastructure, Mumbai
- Dr. Sunil Kumar Kopparapu, Tata Consultancy Services, Mumbai
- Dr. Vijai Kumar, Director, J N College of Technology, Bhopal
- Dr. Abhishek Mahajan, Tata Memorial Hospital, Mumbai
- Ms. Sulakshana Mahajan, Freelance Urban Planner, Thane
- Prof. S S Mahapatra, NIT, Rourkela
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- Prof. Sushil Mishra, IIT Bombay, Mumbai
- Dr. G N Rathna, IISc, Bangalore
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- Prof. Avik Samanta, IIT Patna, Patna
- Dr. Sasikumar M, Director CDAC, Mumbai
- M Sayyad, Asst. Vice President, Reliance Jio, Mumbai
- Dr. P Shrivastava, PADECO, Mumbai
- Prof. A K Singh, IIT Bombay, Mumbai (Retired)
- Prof. A Srinivasan, IIT Guwahati
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- Prof. S N Talbar, SGGGS, Nanded
- Dr. Jainarayan Tripathi, ST Microelectronics, Mumbai
- Prof. Vikram Vishal, IIT Bombay, Mumbai
- Prof. S K Ukrande, Dean Science and Technology, MU, Principal, KJSCE

Patrons

Dr. K.M.Vasudevan Pillai, CEO, MES
Dr. Daphne Pillai, Secretary, MES
Dr. Priam Pillai, COO, MES
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- Dr. Mahendra Khandkar, Department of Physics, PCE

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- Dr. Sharvari Govilkar, PCE
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- Dr. Satish Nair, PIMSR
- Dr. Sally Enos, PCER
- Prof. Amar Mange, PHCP
- Mr. P. Kumaran, PCE

Tracks and session Coordinators

- Software Technologies (Coordinator: Dr. Madhumita Chatterjee, PCE)
- Hardware Technologies (Coordinator: Prof. Monika Bhagwat, PCE)
- Systems for Future Cities (Coordinator: Dr. Priam Pillai, PCE)
- Materials for Future Cities (Coordinator: Dr. Divya Padmanabhan, PCE)
- Policies and Governance for Future Cities (Coordinator: Dr. Satish Nair, PIMSR)

Tracks and sessions for the conference on “Technologies for Future Cities”

Software Technologies

- Software for Urban Planning, 3D modeling, Urban Land Management, Urban Utilities
- GIS and Remote Sensing
- Crowdsourcing data
- Digital Image and Video Processing
- Use of Internet of Things, Artificial Intelligence, Data Analytics, Machine Learning, Data Analytics and Information Security
- Use of Information and communication (ICT) technologies

Hardware Technologies

- Home automation
- Electric Vehicles, Self-driving Car
- Controls, Instrumentation and Robotics
- Smart Devices, VLSI, Sensors and Actuators
- Non-conventional energy sources, Energy storage, AC and DC Supplies
- Smart Structures
- Green Buildings

Materials for Future Cities

- Smart Materials
- Nanomaterials
- Environmental friendly materials
- New Construction Materials
- Recycling and efficient use of materials

Systems for Future Cities

- Communication Systems
- Power generation and distribution Systems
- Embedded and Automation Systems
- Transportation Systems
- Disaster Management and Early Warning Systems
- Water Supply, Sanitation, Pollution Control, Healthcare, Infrastructure
- Waste management
- Real time monitoring
- Supply Chain Management

Policies and Governance for Future Cities

- Urban Planning
- Integrated Water Management System including sewage
- Mass transport links and an efficient and environment friendly transport system including maintenance of roads
- Services such as Power Supply, HVAC&R, Waste Management, Disaster management, Efficient Police, Cyber security
- Infrastructure management and facilitation of good Healthcare, Education and Sports.
- Financial Inclusion

Call for Papers:

The manuscript s should be submitted latest by 15th October 2018. The guidelines for preparing manuscript and template are available on conference website. Authors are requested to adhere to the guidelines for smooth processing of the manuscript. Manuscripts will checked for plagiarism using turnitin and peer reviewed. The comments of the reviewers will be communicated to the authors by 15th November, 2018. Selected manuscripts will be published in a UGC approved journal or in form of a book (with ISSN Number) by a reputed publisher. It is, however, mandatory that at least one of the authors registers and presents the paper at the conference. Manuscripts should be sent by email to Dr Avinash Vaidya, Joint Secretary, CTFC-2019 at ctfc@mes.ac.in . **"Awards will be given to out standing papers both in Poster and Oral category"**.

Important Dates:

| | |
|---|------------|
| Call for Paper submission open | 01/09/2018 |
| Last date of submitting Paper | 15/10/2018 |
| Communication to authors on acceptance of their Paper | 15/11/2018 |
| Registration Opens | 15/11/2018 |
| Last date of submitting full camera ready manuscript | 15/12/2018 |
| Last date for Registration | 02/01/2019 |
| Last date for request for accommodation | 15/12/2018 |

Accommodation:

Accommodation on request basis could be made available to registered participants on individual or sharing basis subject to availability. During registrations, participants are requested to opt for the need well in advance to enable us to make the necessary arrangements. For more details kindly refer the conference website.

Workshops:

The conference will also host the workshops on following topics:

- Remote Sensing and GIS
- Machine Learning using Python

Experts from Urban Expansion Observatory (UXO) of the institute would provide hands on to the participants. Details of the workshop are available at conference website.

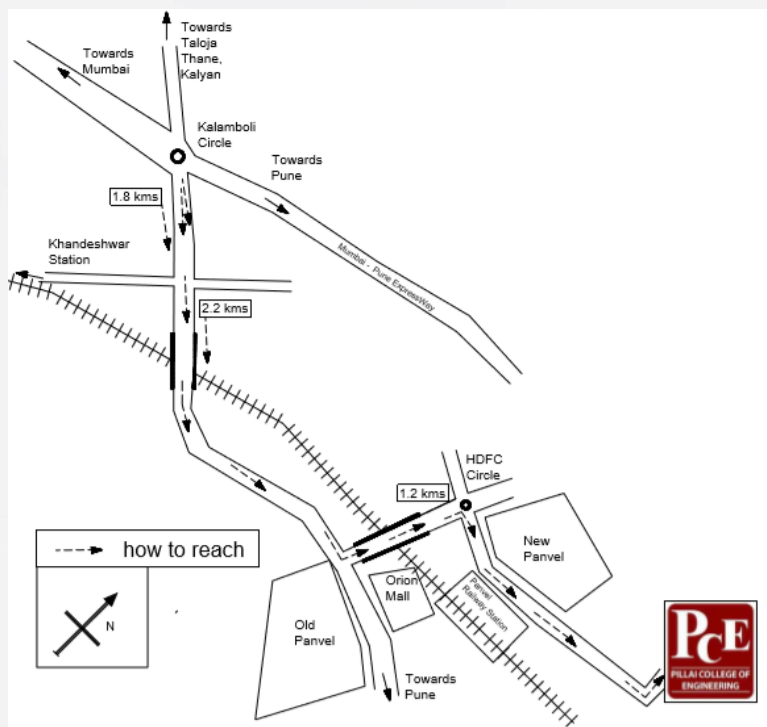
Registration:

The procedure for registration and payment of fees would be made available on conference website. The applicable fee structure is tabulated below.

| Category | Registration fee for authors | Registration fee for attendance only |
|-------------------------|------------------------------|--------------------------------------|
| Faculty | ₹ 2000/- | ₹ 1000/- |
| Delegates from industry | ₹ 5000/- | ₹ 4000/- |
| Students (UG/PG/PhD) | ₹ 1000/- | ₹ 750/- |
| Foreign Delegates | USD 100 | ----- |

The registration fees include conference kit, conference proceedings in a CD, refreshments and lunch at the conference venue and a complementary workshop (Details of workshops available on conference website.)

Travel Map:





Conference Venue :

Pillai College of Engineering (PCE)

Dr. K. M. Vasudevan Pillai Campus

Plot No. 10, Sector 16, New Panvel – 410 206

Maharashtra, India

Contact: ctfc@mes.ac.in

Timing : 9.00AM to 5.00PM