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## Important Dates

Abstract Submission: 10th December, 2019

Acceptance of Abstract: 20th December, 2019

Full Paper Submission: 25th December, 2019

Early Registration: 15th January, 2020

Acceptance of Full Length Paper: 30th  
January, 2020

Relaxation of 20 % registration fees for FIM Life  
Members. For more information about FIM,  
please visit the website

<http://forum4interdisciplinarymathematics.org/>

### Registration Fees

Students: Rs. 5000

Faculty Members: Rs. 7000

Participants from Industries: Rs. 10000

Foreign Students: \$ 250

Foreign Faculty: \$ 400

Attendee: Rs. 2500

Late Fees: Rs. 1000/\$ 50

(After 15th January) (Indian/Foreigner)

The registration fees include a conference kit,  
refreshments, certificate, and publication in  
conference proceedings. GST 18 % extra will be  
charged on the registration fees.

### Contact Information

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PDPU

PANDIT  
DEENDAYAL  
PETROLEUM  
UNIVERSITY

## 1st International Conference On

## Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy

### COORDINATORS

Dr. Manoj Sahni

Dr. Brajesh Kumar Jha

21 – 23, February  
2020

Organized By  
Department of Mathematics  
School of Technology  
Pandit Deendayal Petroleum University,  
Gandhinagar

In Association With  
Forum for Interdisciplinary Mathematics  
(FIM)



## About The University

Pandit Deendayal Petroleum University (PDPU) is located in Gandhinagar, Gujarat. It is recognized by UGC under section 2(7) and has recently accredited by NAAC A Grade. PDPU is a world-class institution, modeled on the pattern of IITs and IIMs which creates a vibrant brigade of knowledgeable leaders in the energy, engineering and technology sectors.

Since its establishment in 2007, the University has enlarged its scope by offering diversified courses in a very short period through schools SOT, SPT, SPM, SNE, SSE and SLS to provide excellent academic programs in Management, Petroleum Engineering, Solar and Nuclear Energy and Liberal Education. For the development of its faculties and staff, the University endeavors for various Joint Exchange and Research programs. In March 2018, Central Government of India has granted autonomy to PDPU.

## About School of Technology

The school emphasizes on sound theoretical and practical knowledge of the chosen engineering discipline along with a broad overview of other disciplines. The pedagogy involves industrial orientation, industry internships, civic and social internships, international exposure, workshops and presentations, all geared to give the right learning ecosystem for industry-ready talent. SOT offers 4 years B. Tech., 2 years M. Tech. and Doctoral programs in various branches of engineering and sciences.

## About The Department

The Department of Mathematics was established in the year 2011. The major research thrust areas are Non-Newtonian fluid flows, Continuum Mechanics, Computational Neuroscience, Computational Seismology, Software Reliability, Theory of Relativity, Oceanography, Optimization, etc. The Department also offers a Ph.D. program to deserving candidates. The department has thirteen faculty members and each of them are Ph.D.

## Objectives Of The Conference

The objective of the conference is to exchange new knowledge and recent development in all aspects of computational techniques, mathematical modeling, energy systems, applications of fuzzy sets and many more. The 1st International Conference on **“Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy”** is organized by the Department of Mathematics, Pandit Deendayal Petroleum University in association with Forum for Interdisciplinary Mathematics. The conference will provide an opportunity for researchers, academicians and students to share their knowledge and discuss the latest developments in their field of expertise. This conference provides the platform for the young researchers to interact with eminent scientists and researchers across the globe. In this conference an equal opportunity is provided to all the participants to share their ideas in the area of interdisciplinary mathematics, statistics, computational intelligence and renewable energy.

## About FIM

The Forum for Interdisciplinary Mathematics (FIM), incepted in 1975 by a group of intellectuals led by Professor Bhu Dev Sharma, University of Delhi, is an Indian based international society of scholars working in mathematical sciences and its applied areas, and is a registered trust in India.

The society is supported by Mathematics Teachers and also users of mathematics from different disciplines around the world. The society helps Institutions and Individuals to grow academically as well as professionally. In 2016, first Gujarat Chapter of FIM was formed under the leadership of Dr. Manoj Sahni and many more are proposed in future.

## Call For Papers

All the accepted abstracts will be published in the conference booklet. Only peer reviewed accepted full length papers will be published in the Scopus Indexed Proceedings by reputed publishers. All the submitted manuscripts will go through plagiarism check before technical review.

- Fuzzy set theory and its generalizations
- Computational intelligence techniques
- Neutrosophic sets and systems
- Statistics
- Relativity
- Computer science
- Information and coding theory
- Decision making and expert systems
- Artificial Intelligence
- Computational Biology
- Magneto hydrodynamics
- Continuum Mechanics
- Differential Equations and its Applications
- Renewable Energy Systems
- Cryptography
- Financial Mathematics

Research papers in other fields having mathematical contents are also welcome