

International Conference
on

*Mathematical Modeling and
Simulation in Physical Sciences
(MMSPS-2021) ONLINE MODE
17-18 April 2021*

Under

Centre for Continuing Education(CCE), SVNIT



Jointly Organized by

Department of Applied Mathematics &
Humanities and
Department of Physics

Chairman

Dr. V.H.Pradhan, Professor, AMHD

Organizing Secretaries

Dr. Jayesh M. Dhodiya, Associate Professor,
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About the conference:

International Conference on Mathematical Modeling and Simulation in Physical Sciences (MMSPS-2021) ONLINE MODE aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Mathematical Modeling and Simulation in physical sciences. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Mathematical Modeling and Simulation in physical sciences.

Topics to be covered

- o Differential Equation Based Mathematical Modelling
- o Operation Research Based Modelling
- o Computational Material Science
- o Mathematical Modeling in Fundamental Physics
- o Theoretical Physics
- o Scientific Computation
- o Biological Modelling
- o Computational fluid dynamics
- o Big data analytics

Call for papers & Publications

The participants desirous to present a paper in the area are required to send the abstract not exceeding one page. The abstract should be neatly typed in Times New Roman (12), single line spacing on A4 size paper with 0.5 inches margin on all sides. Title should be in 13 pts & bold letters, names of authors and affiliation should be in italics (10 pts). The presented papers, only after a peer review, may be recommended for publication in conference proceedings.

Registration Fee

The registration fees for the conference shall be

	For India	For Foreigner
PG/Degree/ Diploma students	Rs. 500/-	50 USD
Ph.D. Research scholars	Rs. 1000/-	100 USD
Faculty	Rs. 1500/-	150 USD
Industry personnel	Rs. 4000/-	400 USD

The non-refundable registration fees should be sent in the form of a **Demand Draft in favour of "Director, SVNIT-CCE"** payable at Surat. or through the internet (NEFT). Bank details for online transfer of registration fees:

Bank Account Name: Director, SVNIT-CCE

SBI Account No.: 37030749143

Bank Name: State Bank of India

IFCS Code: SBIN0003320

Branch: SVRCET Branch

Important Dates

Last date of submission of abstract paper	31-03-21
Last Date for Registrations :	31-03-21
Notification of acceptance :	03-04-21
Last date of Submission of Full length paper	07-04-21

Registration Link for registration and abstract Submission:

<https://forms.gle/MAPeV2W4fAYXccnt8>

Address for Correspondence

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Prof. V.H.Pradhan, Professor, AMHD

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About Surat

Surat, situated on the bank of holy river Tapti, is a top ranking industrial and yet green city of the country with a network of flyovers with clean and wide roads. It is well known worldwide for textile, Zari & Diamond industries. Several large scale industries & establishments, such as RIL, L&T, ESSAR, etc. are located in and around Surat. It is situated on the main Western Railway route between Vadodara and Mumbai, at a distance of 129 km from Vadodara and 263 km from Mumbai. Further, daily flights connect Surat with New Delhi and Mumbai. The Institute is located at Ichchhanath on Surat-Dumas road at a distance of about 10 Km from Surat railway station and airport.

About the Institute

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and elevated as a National Institute of Technology in October, 2002. It has been accorded the status of an Institute of National Importance vide NIT Act 2007. SVNIT is one of the pioneering engineering institutions of the country which has nurtured many outstanding engineers in India & abroad. Institute runs

seven UG programs, eighteen PG programs, Ph.D. program in all disciplines of engineering and sciences and 5 years integrated M.Sc. programme in Chemistry, Mathematics and Physics. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

Awards:

Paper presentation Awards:

Three best oral as well as poster presentation awards will be awarded to each category

Young Achiever Award

Who can Apply

The candidate up to the age of 35 years as on March 31, 2021 shall be eligible for the Young Achiever Award. Additionally, the candidate should have at least 3 years of research experience after obtaining a Ph.D. degree.

How to Apply

Applications should be made in the prescribed application format (available in Download link) along with all supporting documents. The application for young achiever award can be submitted online through a google form which is available on conference website. A statement of your research contribution with two pages will also be submitted online with application.

Selection Procedure

The selection for the Young Achiever Award will be based on the overall merit of the research work. Shortlisted candidates will be invited to present their research work during the conference. Final awardees will be selected based on their previous work and presentation.