

1<sup>st</sup> International Conference

on

## Applied Mathematics in Science and Engineering

(AMSE - 2019)

25<sup>th</sup> - 27<sup>th</sup> October, 2019



Organized by

Center for Applied Mathematics  
& Computing (CAMC) and  
Department of Mathematics

Faculty of Engineering & Technology,  
ITER, SIKSHA 'O' ANUSANDHAN  
(Deemed to be University)  
Bhubaneswar – 751030, Odisha, India

### About Bhubaneswar

Odisha (formerly Orissa), an eastern Indian state on the Bay of Bengal, is known for its tribal cultures and its many ancient Hindu temples, notably the intricately-carved Mukteshvara. The Lingaraj temple complex, dating to the 11<sup>th</sup> century, is set around sacred Bindusagar Lake. The Odisha State Museum is focused on the areas history and environment.

### About SOA (Deemed to be University)

Siksha O Anusandhan is a deemed to be university (SOADU) located in Bhubaneswar, Odisha. It was originally founded as Institute of Technical Education and Research (ITER) in the year 1996. The university has been at the forefront, nourishing a learning ambience, encouraging academics, research and innovations since its inception in 2007. The university is composed of 09 degree granting schools with 10,000 students. Many of SOAs programs are nationally accredited for meeting high standards of academic quality including engineering, medicine, pharmacy, business, nursing, biotechnology, humanities, environment, nanotechnology, agriculture and law. The University is ranked 24<sup>th</sup> by National Institute Ranking Framework (NIRF) under the aegis of Ministry of Human Resource Development, Govt. of India and has been awarded A Grade by NAAC. It has established 10 research centers and 23 research labs to fulfill the need of faculties and students.

### About the Departments

Faculty of Engineering & Technology is a constituent of SOADU having fourteen departments with more than four hundred faculty members. The centre for Applied Mathematics and computing (which has been started since Aug'17) and Department of Mathematics are continuously working to provide quality research outputs in different areas of pure and applied mathematics.

### Scope of the Conference

The objective of the conference is to provide a forum for researchers and professionals from both academia and industry to exchange up-to-date knowledge and experience in various fields of applied mathematics. The conference will focus not only on the theoretical aspects but also on applications of mathematics in several areas. It will also provide the researchers an opportunity to present the novel findings in front of the scientific and mathematical community, stimulating meaningful debate, enabling in-depth discussions. This conference aims to include invited talks by the distinguished speakers followed by paper presentations by various research scholars.

### Call for Papers

Students, Faculties, Research Scholars, Scientists, and Industrial Executives are welcome to submit their one page abstract on any of the following topics (not limited to the list):

- Applications of Differential Equations in Engineering
- Numerical Methods for ODEs and PDEs
- Optimization Problems
- Mathematical Modeling and Analysis of Biological Systems
- Computational Fluid Dynamics
- Artificial Intelligence
- Machine Learning
- Optimal Control and Controllability of Differential Equations
- Fractional Calculus and its Applications
- Fuzzy Optimization
- Differential Algebraic Systems
- Nonlinear Analysis
- Scientific Computing
- Cryptographic Techniques
- Dynamical Systems and other Related Areas
- Variational problems
- Graph Theory
- Algebra and Functional Analysis

### Publications

- All accepted abstracts will be published as abstract conference proceedings.
- The selected papers will be called for extension for journals indexed in Scopus, SCI, SCIE, etc. (Names will be notified in due time).

### How to Submit

Interested authors can send the abstracts or full length papers in ms-word only (as per the format specified in website), directly to the following mail id: [amse2019@soa.ac.in](mailto:amse2019@soa.ac.in). Acceptance will be notified through e-mail. The selected papers will be published in Scopus indexed journals (names will be notified in due time). Conference website: [www.amse2019.ac.in](http://www.amse2019.ac.in)

## Important Dates

Call for abstract opens	June 20, 2019
Last date for submission of abstract	July 30, 2019
Acceptance of abstract notification	August 10, 2019
Last date of full paper submission	September 10, 2019
Registration and submission of camera ready papers	October 1, 2019
Conference dates	October 25-27, 2019

## Registration Fees

Categories	Non-Indian	Indian
Industry Delegates	USD 200	INR 3000
Academician	USD 200	INR 2500
Scholars (Ph.D./Post Doc)	USD 100	INR 2000
Students (Master Degree/B. tech)	USD 100	INR 1500
Delegates (Without paper presentation)	USD 100	INR 1000

## Accommodation

Accommodation will be provided on request on payment basis at University guest houses, hotels or hostels near by the conference venue. Request of accommodation should be made in advance in the attached format.

## Conference Venue

### Bansuriguru Auditorium

Faculty of Engineering & Technology (ITER), Campus-1,

Siksha 'O' Anusandhan (Deemed to be university)  
Bhubaneswar - 751030, India.

## General correspondence

Dr. Apul. N. Dev

Convenor, AMSE-2019, CAM&C, FET (ITER)

Siksha 'O' Anusandhan (Deemed to be University)

Bhubaneswar - 751030, India

e-mail: apulnarayandev@soa.ac.in

## Chief Patron

Prof. M. R. Nayak, Hon'able President, SOA, India

## Patron

Prof. (Dr.) A. Banerjee, Hon'able Vice Chancellor, SOA, India

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Prof. M. K. Mallick, Director, FET (ITER), SOA, India

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Dr. Satya Ranjan Misra, DM, SOA

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Miss Manju

# REGISTRATION FORM

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Engineering

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Name (Block Letter) .....

Gender(M/F).....Designation.....

Affiliation/Organization.....

Address.....

Mobile No.....

Email.....

PaperId.....

PaperTitle.....

Accommodation Required (Yes/No)

Date and Time of Arrival .....

Date and Time of Departure.....

Food Preferences (Veg/Non-Veg).....

Date..... Signature.....

**Photo/Scan copy of this form may also be used. Registration form (duly filled) should reach by October 1, 2019.**