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Convener

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Important Dates

Please visit website for updates:

<http://cas.iitd.ac.in/cccop2019/>

Last Date for Submission of Abstract	:10 May 2019
Announcement of Abstract acceptance	:20 May 2019
Submission of extended abstracts	:10 June 2019
National Seminar	:4-5 July 2019

National Seminar

on

Climate Change and Coastal Ocean Processes (CCCOP-2019)

(Co-sponsored by India Meteorological Department, Govt. of India)

4-5 July 2019

Organized by



Ocean Society of India

Venue



**Centre for Atmospheric Sciences
Indian Institute of Technology
Delhi**

Background

Ocean Society of India (OSI) is a registered professional society started in 2006. Since then, the Society has grown considerably with the active support received from the Ocean Science and Technology Community. The OSI has about 500 life members across the country. In the past, the OSI conducted many national conferences related to diverse scientific and technological themes. The main thrust of the present Seminar is focused on 'Coastal Ocean Processes and its Response to Climate Change'. This Seminar provides a platform to bring together scientists, academicians, researchers, engineers, technologists in addressing some of the issues related to the thrust area. Based on the thrust area, some scientific themes are identified to address in more focused way.

Introduction

Coasts are highly dynamic and it is important to understand them in relation to the physical processes that shape it. The changes that are happening on the coast, particularly with the climate change, are becoming increasingly important.

It is a well-known fact that the sea surface temperature (SST) is increasing as a result of global warming. The projected changes in the tropical cyclone activity is strongly correlated with the projected changes in tropical SST. This will result in increase of tropical cyclone potential intensity and hence probability of having stronger

cyclones. Sea level rise near the coast is an important area of concern due to thermal expansion and net melting of land ice and sea ice. Some of the important processes which affect the coastal inhabitants are storm surges generated by tropical cyclones, particularly, in view of climate change. Understanding of regional sea level rise with its variability and coastal ecosystem are important environmental drivers in a changing climate scenario.

The Seminar focusses on recent developments in the application of numerical modelling and simulation in understanding coastal ocean processes and improving capabilities for their prediction. The Seminar covers probabilistic approaches and risk assessment, advanced numerical methods, climate change in the coastal ocean, physics-ecosystem interactions. It will also cover novel coastal oceanographic measurements and analysis techniques.

Registration

A nominal registration fee would be required for attending the conference.

For Scientists and Faculty:	Rs 1000
Students:	Rs 500
Members of OSI:	Rs. 500 (for Scientists) and Rs. 250 (Students)

Call for Abstracts

Abstracts are invited on the Seminar themes. The abstract within a limit of 500 words by mentioning the theme on the top should be submitted based on

the original research work in the docx format at the id osicas19@gmail.com before 30th April 2019. The acceptance after review will be informed by 10 May 2019. The extended abstracts will have to be submitted in a prescribed template by 10 June 2019. The extended abstracts will be published as Seminar Proceedings. Best student papers will be awarded.

Themes

- **Climate change and coastal hazards**
- **Coastal currents, waves and tides**
- **Coastal erosion / accretion processes and their modelling**
- **Coastal ecosystems and their modelling**
- **Climate change impacts on coastal ocean processes**
- **Adaptation to coastal hazards and climate change impacts**

Fellowships

A limited number of students and early career researchers would be provided with travel support to attend the Seminar. Students/early career researchers would be required to submit an application for the travel support along with their brief CV. The selected candidates would be reimbursed maximum of 3-tier AC train fare on the production of valid tickets of journey. Accommodation in the Guest house/Hostel may be provided depending on the availability.