

# **11<sup>th</sup> International Workshop on Tropical Marine Environmental Changes (MEC 2021):**

## **Tropical Oceanography, Climate and Marine Disasters**

### **First Announcement**

**November 22-23, 2021 Guangzhou, China**

The tropical ocean plays a critical role in forming and regulating Earth's climate and climate change on a variety of spatial and temporal scales. Its interactions with the atmosphere result in various climate phenomena such as the Pacific El Niño-Southern Oscillation, Indian Ocean dipole mode, and Atlantic Niño. Multi-scale ocean dynamical processes in the tropics have important effects on regional oceanic and atmospheric circulations, and can then affect regional or global climate. Both climate and ocean dynamics have an impact on marine disasters, extreme weather and climate events, ocean ecosystems, and biogeochemistry.

The State Key Laboratory of Tropical Oceanography has traditionally organized and hosted international conferences on the tropical Marine Environmental Changes (MEC) every other year since 2001. The conferences have provided a communication platform for the scientists all over the world who are engaged in the study of the ocean environment, ocean dynamics, ocean-atmosphere interaction, climate variability, marine disasters etc. The theme of the 11<sup>th</sup> MEC conference is: "Tropical Oceanography, Climate and Marine Disasters". We will invite outstanding scientists in relevant research fields to discuss the influences of the tropical ocean and climate on marine disasters, extreme weather and climate events, ocean ecosystems, and biogeochemistry. International scientists can participate in the conference online, whereas domestic participants are expected to be on site.

#### **Theme:**

Tropical Oceanography, Climate and Marine Disasters

#### **Four Sessions:**

Session 1: Role of the tropical ocean in climate

Session 2: Multi-scale ocean dynamical processes

Session 3: Ocean ecological and biogeochemical processes

Session 4: Marine disasters and extreme climate events

**Organizer:**

State Key Laboratory of Tropical Oceanography, South China Sea Institute of Oceanology,  
Chinese Academy of Sciences

**Extended Abstract Collection:**

Oral presentations and posters are selected based on abstracts submitted. Extended abstracts will be published.

The extended abstract should be written in English, using 12-point font (Times New Roman recommended) and no more than four pages (including graphs and tables). The content should include the title, names of the authors, and their institutions; and mailing address, e-mail, and phone number of the corresponding author. We suggest that you use Microsoft Word or plain text format for the electronic document. The abstract should be submitted online before September 30<sup>th</sup>, 2021.

**Agenda:**

Abstract submission deadline: Sep. 30<sup>th</sup>, 2021.

On-site registration: Nov. 21<sup>st</sup>, 2021

Meeting dates: Nov. 22<sup>nd</sup> -23<sup>rd</sup>, 2021

**Scientific Committee:**

**Co-Chairs:**

Dake Chen (Second Institute of Oceanography, MNR)

Minhan Dai (Xiamen University)

Xingwei Jiang (National Satellite Ocean Application Service)

Chunzai Wang (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

**Members:**

Shuqun Cai (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

Fei Chai (Second Institute of Oceanography, MNR)

Yan Du (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

Ming Feng (Commonwealth Scientific and Industrial Research Organization, Australia)

Bo Qiu (University of Hawaii, USA)

Weiqiang Wang (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

Shang-Ping Xie (Scripps Institution of Oceanography, USA)

Peng Xiu (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

Jie Xu (State Key Laboratory of Tropical Oceanography, SCSIO, CAS)

Jin-Yi Yu (University of California, Irvine, USA)

### Notes for Registration:

1、Registration fee:

Domestic participant-----2,000RMB

Domestic student-- -----1,000RMB

International participant----- 300USD

International student-----150USD

2、On-line registration begins in August 1, 2021.

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