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ESSO

INDIA METEOROLOGICAL DEPARTMENT

INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE

SKYNET

5th International SKYNET Workshop
New Delhi, India

13-15, February, 2019

Organized by

International SKYNET Committee
India Meteorological Department, Ministry of Earth Sciences, New Delhi
Indian Institute of Tropical Meteorology, Pune

Co-organizer

S-12 Project, ERTDF, ERCA, Ministry of the Environment of Japan

Important Dates

Abstract Submission:	30th, December
Last Date for Registration:	15th, January
Conference Dates:	13-15, February

Contact Details
ISW-2019 Secretariat
Room No. 609, Satellite Meteorology Building
India Meteorological Department
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ABOUT SKYNET

SKYNET is an international observation network dedicated for aerosol-cloud-radiation researches. It was initiated under the WCRP/GAME project and expanded for various applications such as the ADEOS/GLI validation activity. Today, the international commission has been formed to strengthen collaboration and shared management of the network. It is also one of the WMO GAW contributing networks. The primary objectives of SKYNET are 1) to quantitatively evaluate variations of aerosols, clouds, and atmospheric radiation; and 2) to understand their effects on the earth's climate and environment. Validation for satellite observations, climate model simulations and data assimilations are important applications of the SKYNET observation. All observation sites of SKYNET are equipped with one or more sky radiometers as the main instrument. To strengthen the ability of the SKYNET, simultaneous measurements with other instruments such as pyranometer, pyrgeometer, microwave radiometer, absorption meter, cloud camera, lidar, and MAX-DOAS are also madeat selected sites. Detailed information about SKYNET can be found at –http://www.skynet.net/-isdc.org/

ABOUT THE INTERNATIONAL SKYNET WORKSHOP 2019

We like to call the 5th International SKYNET Workshop in India. The India Meteorological Department will host a 3-day International SKYNET Workshop at New Delhi, India from 13 to 15 February 2019. The Workshop aims to bring together the scientists associated with International SKYNET network and other observational sites working on aerosol optical & radiative properties, solar radiation, Short-Lived Climate Forcers (SLCF) and the products provided by the network for various applications. The workshop will provide a unique opportunity of enriching the knowledge and sharing the thoughts with leaders in the fields of academic research and societal applications. It would provide a unique opportunity to young scientists to learn from the experience of various experts.

SCIENTIFIC TOPICS

1. Analyses of optical properties of aerosol and cloud with SKYNET data
2. Aerosol, cloud, and radiation studies from ground-based radiometers and satellite remote sensing
3. Numerical modeling of aerosols & clouds and their validations
4. LIDAR remote sensing of the aerosol, cloud and other atmospheric component
5. Aerosol radiative forcing and climate effects
6. Intercomparison among networks of radiometers
7. Validation of aerosol and clouds properties from satellite and models
8. Applications for air pollution studies
9. Sensor development, calibration, and validation for atmospheric observations
10. Evaluation of SLCP Environmental Impact and Promotion of Climate Change Counter measures

Abstract Submission Guidelines

Abstracts (not more than 500 words) should be submitted to the organizers as soon as possible and not later than 30th, December, 2018. The abstract should be uploaded on the workshop website or send to workshop secretary (iswdelhi@gmail.com) in WORD or PDF format. An example of abstract can be downloaded from the website. Abstracts should be uploaded before the due date indicating the theme in which their paper is to be considered.

- All abstract must be prepared and submitted in English.
- All abstracts should be prepared in MS Word format, Times New Roman 12 point font with 1.5 line spacing.
- Abstracts should clearly state the purpose, results and conclusions of the work to be described in the presentation and final paper.

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Venue

The workshop shall be held at the Prithvi Bhawan, Ministry of Earth Sciences, Lodhi Road, New Delhi, India.

Inaugural Session:	Mahika Hall, 1st Floor, Prithvi Bhawan
Technical Sessions:	Arnav Hall, 3rd Floor, Prithvi Bhawan

TRAVEL GRANTS

Limited travel grants might be considered depending on availability of funds. Preference for travel grants will be given to young researchers without any alternative sources of funding. Please send the description of yourself to the conference contacts. Decision will be made by ISC and LOC.

VISA

Participants must complete all formalities to visit India. Detailed information on visa requirements can be found at the following links

https://indianvisaonline.gov.in/evisa/tvoa.html
https://indianvisaonline.gov.in/visa/index.html

INVITATION LETTER FOR VISA

If an invitation letter for the visa application is needed, please let the conference secretary know as soon as possible. Request for visa has to be made to the Indian Consulate/Embassy in the applicant's country.

THE HOST CITY

New Delhi, the capital of India, is the eighth largest metropolis in the world. Situated in north central India it has a population of over 20 million. It unwinds a picture rich with culture, architecture and human diversity, deep in history, monuments, museums, galleries, and gardens. It is a fusion of the ancient and the modern.

WEATHER

Weather during middle of February is pleasant with day time maximum temperatures around 22 to 24 ℃. Mornings are slightly cooler with night time minimum temperatures around 12 to 14℃. February is not a rainy month for Delhi. However, eastwards moving mid-latitude systems sometimes penetrate Delhi latitudes and cause light to moderate rains. Average rainfall for the month is about 20 mm with around 3 rainy days. Humidity is fine too ranging from 40 to 60% during the day. Overall, February is a good time. However, it becomes a bit cold during and immediately after the rain events; and light woollens are recommended.

FOOD AND ACCOMMODATION

All the meals during the workshop will be served by local organizers for free. The LOC can help reserve the rooms for the overseas participants. Request can be sent to conference secretary. The hotel expenses should be paid by each participant before leaving the Hotel. Participants can chose to stay in any hotel of their choice in Delhi. More details of nearby hotels will be available on ISW-2019 website.

DISTANCES FROM AIRPORT AND RAILWAY STATIONS

Indira Gandhi International Airport serves as the primary civilian aviation hub for the National Capital Region of Delhi. There are three terminals in Delhi Airport. All international and some domestic flights operate from T3. Some of the domestic flights operate from T2 and T1 (C and D). The Airport is located 20 km from the workshop venue.
New Delhi Railway Station – the main inter-city railway station is about 8 km and Hazrat Nizamuddin Railway station is about 4 km from the workshop venue. Two nearest metro-rail station are Jor Bagh and Jawahar Lal Nehru Stadium approx. 1 km from the venue of the workshop.

LOCAL TRAVEL IN DELHI

Local Transport in Delhi for all overseas participants will be arranged by local organizers. Please send the itinerary including your mode of travel (including flight/train number and terminal), date and time of arrival& departure to the conference secretary well in advance. Domestic participants need to arrange for travel and accommodation on their own.
Should you travel on your own, please ensure that you use the services from formal taxi stand at the airport. Directional signs will allow you to approach taxi booking counters on your way out into the arrivals hall. Some of the major operators are Meru Cabs, Mega Cabs, Easy Cabs, Radio Taxi and pre-paid taxi operated by Delhi traffic police.

ADVISORY BOARD

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Dr Akhilesh Gupta, Scientist-G, DST

Dr Gopal Iyengar, Scientist-G, MoES

Dr Kamaljit Ray, Scientist-G, MoES

LOCAL ORGANIZING COMMITTEE

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