

# Call for Papers

The 16<sup>th</sup> CEReS International Symposium on Climate Change Studies through activities of SKYNET and Virtual Laboratory for Climate Diagnostics

Date: October 21-23, 2010

Venue: Hotel Yugafuin in Nago OKINAWA, JAPAN<sup>(\*)</sup>

(\*) The organizing committee is applying the financial support to the JSPS program for this symposium. If it is not accepted, the venue will be changed to Keyaki-kaikan, Chiba University, CHIBA.

## INVITATION

The 16<sup>th</sup> CEReS International Symposium will be held at Okinawa, Japan on October 21-23, 2010, where has one of SKYNET ground-based observation site for climate studies and is in sub-tropical area in Japan. You are invited to this symposium for discussion on topics of climate change issues, focusing on ground-, satellite-based observation, climate modeling, etc. This Symposium is open to international scientific communities on atmosphere and related fields.

## SCOPE

Remote sensing is a powerful tool to monitor wide fields of the global environment. A long term (20-30 years) monitoring from satellites enables us to start diagnosing the change in the Earth climate system. As one of the major projects of the Center for Environmental Remote Sensing (CEReS), Chiba University, the CEReS atmospheric group has been involved in research activities aiming at elucidating radiation process by analyzing satellite and ground-based observational data(SKYNET). Regionally, the effort has been particularly focused on East Asia, where various aspects

of environment are more and more influenced by rapidly increasing human activities. The importance of monitoring is increasing. However, the accuracy of the monitoring is never free from limitations such as observation techniques, sensor precision, and aged deterioration. In order to better understand the earth climate system and its change comprehensively, it requires the progressive communication of each field between satellite-, ground-based observation and modeling groups. The dynamic link of these fields, such as Virtual Laboratory(VL) can more activate research activities in these fields and hopefully can produce fresh fruits.

This symposium will offer a timely opportunity to researchers in the interdisciplinary fields to review and discuss recent progress of the atmospheric research in the climate change.

Please visit following web pages to follow the outlines of each project.

CEReS: <http://www.cr.chiba-u.jp/>

SKYNET: <http://atmos.cr.chiba-u.ac.jp/>

VL: <http://atmos.cr.chiba-u.ac.jp/> (in Japanese only)

## TOPICAL AREA

- Diagnosis of climate system by modeling and remote sensing data
- Radiation budget studies from space
- Aerosol monitoring and validation
- Cloud modeling and validation
- Observational basis for climatology
- Regional scale water circulation
- Atmospheric correction and validation
- Development in remote sensors and sensor calibration
- Satellite data application to environment

## INVITED SPEAKERS

Dr. Toshihiko TAKEMURA, Associate Professor, Kyushu University

Title: Evaluation and data assimilation of aerosol distributions and climate effects simulated by SPRINTARS using remote sensing observations in the Asian region.

Dr. Kazuhisa TSUBOKI, Associate Professor, Nagoya University

Title: (Tentative) Current status and future perspective for cloud resolving modeling in the case of Cloud Resolving Storm Simulator (CReSS)

Dr. Zhanqing LI, Professor, University of Maryland

Title: Aerosols and Climate Changes in China

(TBD): 1 person to be invited for an observation network in Asia

## IMPORTANT DATES

Deadline of Registration with Short Abstract Submission: August 31<sup>st</sup>, 2010

Deadline of Manuscript Submission: October 20<sup>th</sup>, 2010:

## PROGRAM OUTLINES

20 Oct. 2010: Ice-breaker (Evening)

21 -22 Oct. 2010: Registration and Oral sessions

23 Oct. 2010: Visit to SKYNET Cape Hedo site by bus(half day)

## REGISTRATION

Those who are planning to present a paper at the Symposium are requested to send the registration form including a brief abstract of the paper by e-mail or fax to the secretariat (See Contact address). Presentation will be oral only.

The registration form should be included,

1. Title of Presentation
2. Author(s) name (Prof./Dr./Mr./Ms.)
3. Affiliation(s)

4. Corresponding Author Address
5. E-mail (Fax if not available)
6. Abstract (300-400 words in English)

### **REGISTRATION FEE**

No charge is required for registration.

Additional charges for ice breaker and banquet on 21<sup>st</sup> at night will be needed.

### **STEERING COMMITTEE**

Dr. Hiroaki Kuze

Dr. Tamio Takamura

Dr. Atsushi Higuchi

### **CONTACT**

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