



The Abdus Salam  
**International Centre  
for Theoretical Physics**

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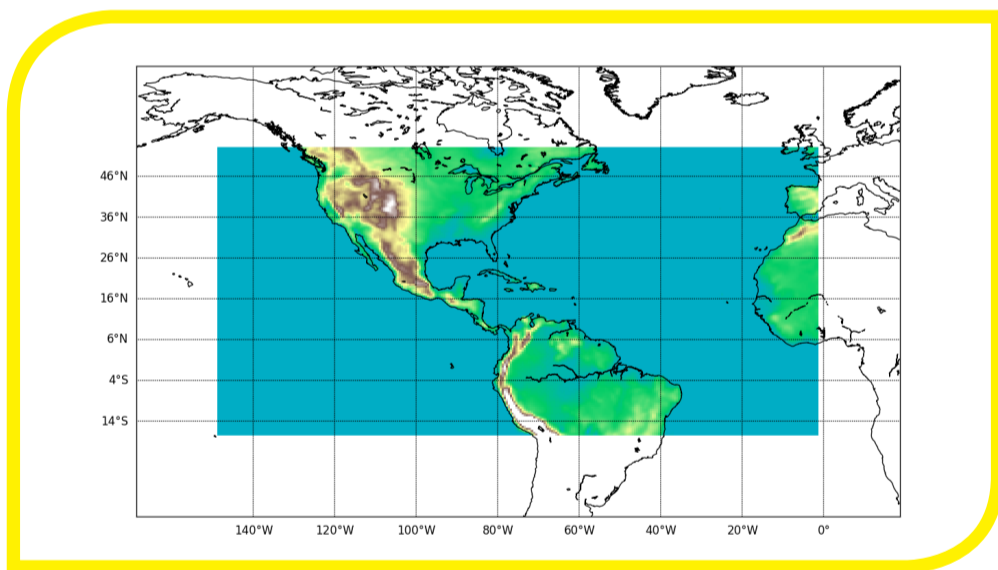
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## SECOND WORKSHOP ON CLIMATE CHANGE, VARIABILITY, AND MODELING OVER CENTRAL AMERICA AND MEXICO

November 14 - 18, 2016  
San Jose, Costa Rica

The Abdus Salam International Centre for Theoretical Physics (ICTP) and the University of Costa Rica (UCR) are jointly organizing the "Second Workshop on Climate Change, Variability, and Modeling over Central America and Mexico" to be held from November 14 to 18, 2016, at the UCR campus in San Jose, Costa Rica.

Central America and Mexico are vulnerable regions to extreme climatic events that cause socio-economical and natural disasters. These regions have also been highlighted as some of the most vulnerable to climate change. Recent research within the Coordinated Regional Downscaling Experiment (CORDEX) framework focused over Central America has shown that the use of regional climate models (RCMs) allows for a better representation of local climate features and meso-scale phenomena, such as for example tropical cyclones, when compared with coarser resolution Global Models. Therefore, RCMs can be very valuable tools to study climate change over the region. The main purpose of the workshop will be to provide extensive sessions focused on the analysis of climate variability and climatic change over central America and on the use of the RCMs (and specifically the ICTP model RegCM4) as a tool for studies of



climate-related phenomena at high resolution.

This workshop will include theoretical lectures on climate variability and change over Central America and Mexico, along with tutorial sessions on the use of the RegCM4 model over the region. An important aim for this workshop is to strengthen the community of users of the RegCM4 model in Mexico and Central America. A limited number of participants is envisioned, with proven experience in handling climate data and running climate models (in particular RCMs), and that have interest in using the RegCM4 as a tool for regional climate studies.

The workshop is intended specifically for scientists and graduate students working in Latin American countries in the areas of Atmospheric Physics and Dynamics, Climatology, Oceanography, Physics and Mathematics, although scientists from all member countries of the United Nations, UNESCO and IAEA may apply. The activity will be conducted in English.

### Grants

A limited number of grants are available to support the travel and living expenses of selected participants, with priority given to those working in a developing country and who are at the early stages of their career. No registration fee is required.

### How to apply

The on-line application form can be accessed via the ICTP activity page at:

<http://indico.ictp.it/event/7621/>

Phone: +39 040 2240 374 E-mail: [smr2839@ictp.it](mailto:smr2839@ictp.it) ICTP Home page: <http://www.ictp.it>

### Directors

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**Jorge Amador Astua**  
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**Erik R. Rivera**  
(Univ. Costa Rica)

**Hugo Hidalgo**  
(Univ. Costa Rica)

### Invited Speakers

**Chris Castro**  
(Univ. of Arizona, USA)

**Graziano Giuliani**  
(ICTP, Italy)

**Kyo Lee**  
(NASA, USA)

**Matías Méndez**  
(Univ. Veracruzana, Mexico)

**Raymond Arritt**  
(Iowa State Univ., USA)

**Ruth Cerezo-Mota**  
(UNAM, Mexico)

**Tereza Cavazos**  
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**Tercio Ambrizzi**  
(Univ. Sao Paulo, Brazil)

**Sara Rauscher**  
(Univ. of Delaware, USA)

**DEADLINE**

**August 28, 2016**

