

# WORKSHOP ON QUANTITATIVE ECOLOGY

**9 - 20 May 2005**

(Miramare - Trieste, Italy)

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) is organizing a Workshop on Quantitative Ecology to be held at the ICTP, from 9 to 20 May 2005. The Workshop will be directed by Professors **Jayanth R. BANAVAR** (Penn State Univ., University Park, PA, USA), **John D. DAMUTH** (Univ. of California at Santa Barbara, CA, USA), **John HARTE** (Univ. of California, Berkeley, CA, USA) and **Amos MARITAN** (Univ. di Padova, Italy).

The advent of powerful computers and algorithms combined with new, powerful ways of thinking about problems in statistical physics has created an unprecedented opportunity for making significant breakthroughs in a variety of interdisciplinary problems, most notably in the field of ecology and biodiversity. The purpose of this Workshop will be to provide state-of-the-art perspectives on observational, theoretical and computational approaches to this vital problem and to foster discussions on the challenges and new strategies in this field.

The Workshop will consist of 8 talks per day, with a duration of 45 minutes each, leaving ample time for consultations and discussions among the participants.

Participants may contribute with a poster or brief talk on their recent research.

Scientists and students from all countries that are members of the UN, UNESCO or IAEA can attend the activity. Although the main purpose of the Centre is to help researchers from developing countries through a programme of training activities within the framework of international cooperation, a limited number of students, post-doctoral scientists and researchers from developed countries are also welcome to attend. As the Workshop will be conducted in English, participants must have an adequate working knowledge of that language.

As a rule, travel and subsistence expenses of the participants are borne by their home institutions. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only to those attending the entire Workshop. There is no registration fee to attend this activity.

**The closing date for the receipt of requests for participation is 7 January 2005.**

The **Application Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1655> (which will be constantly up-dated) or from the activity Secretariat ([smr1655@ictp.trieste.it](mailto:smr1655@ictp.trieste.it)). It should be completed, signed and returned before **7 January 2005** to:

the Abdus Salam International Centre for Theoretical Physics  
**Workshop on Quantitative Ecology (smr.1655)**  
Strada Costiera 11  
I-34014 Trieste, Italy

Telephone: +39-040-2240305 E-mail: [smr1655@ictp.trieste.it](mailto:smr1655@ictp.trieste.it) Telefax: +39-040-224531

<http://agenda.ictp.trieste.it/smr.php?1655>

## ORGANIZERS

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## SPEAKERS

**Priyanga AMARASEKARE**  
(Univ. Chicago, Ecology & Evolution, USA)  
\* **Graham BELL**  
(Redpath Museum, Canada)  
\* **Jon CHASE**  
(Washington Univ., USA)  
**Jerome CHAVE**  
(Univ. Paul Sabatier, Toulouse, France)  
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\* **Jessica GREEN**  
(D. Environmental Sc. & Policy, Univ.  
California at Davis, USA)  
**Fangliang HE**  
(Univ. of Alberta, Edmonton, Canada)  
**Stephen R. HUBBELL**  
(Univ. of Georgia, Plant Biology, USA)  
\* **Daniel H. JANZEN**  
(D. Biology, Univ. Pennsylvania, USA)  
**Niranjan V. JOSHI**  
(Indian Institute of Science, India)  
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\* **Mathew LEIBOLD**  
(Univ. of Texas, Austin, USA)  
**Marco MARANI**  
(Univ. Padova, Italy)  
**Susan MAZER**  
(Univ. of California, Santa Barbara &  
NSF, Arlington, USA)  
**Alan J. McKANE**  
(Univ. of Manchester, Manchester, U.K.)  
\* **Andrea RINALDO**  
(Univ. di Padova, Italy)  
\* **Michael ROSENZWEIG**  
(Univ. of Arizona, USA)  
**Joan ROUGHGARDEN**  
(Stanford Univ., Biological Sc., USA)  
\* **Sonia SILVESTRI**  
(Univ. of Venice, Italy)  
**R. SUKUMAR**  
(IIS, Ecological Sc., Bangalore, India)  
\* **Geoffrey WEST**  
(Los Alamos National Lab., USA)  
**John WHITFIELD**  
(Science Writer, USA)

\* To be confirmed