

INTERNATIONAL GLACIOLOGICAL SOCIETY

**INTERNATIONAL SYMPOSIUM ON SNOW
AND AVALANCHES**

Manali, India
6–10 April 2009



CO-SPONSORED BY

Snow and Avalanche Study Establishment
(SASE), Manali India

FIRST CIRCULAR

March 2008

Registered Charity

The **International Glaciological Society** will hold an International Symposium on Snow and Avalanches in 2009. The symposium will be held in Manali, India 6–10 April in 2009.

THEME

Snow and avalanche science has made fundamental contributions to human safety in mountain regions. It has now evolved into an important branch of glaciology. Initially snow science was aimed at understanding avalanche formation and developing avalanche control measures. These remain important topics. However, now an understanding of how snowy environments throughout the world are affected by global climate change is required. The role of snow in hydrological and ecological earth surface processes is therefore a central theme of the symposium.

TOPICS: The suggested topics include:

1. Snow, including:
Snow hydrology; Snow ecology, Snow metamorphism, Snow microstructure Snow and climate change: threat perception; Snow in the Himalayans; Snow, glacier mapping and global climate change
2. Snow avalanches, including:
Avalanche forecasting; Avalanche dynamics; Avalanche control and engineering
3. Snowpack, including:
Snowpack properties and process modelling; Snowpack stability and spatial variability
4. Observations and instrumentation, including:
Observation networks in snowbound regions; Cold region instrumentation and measurement networks; Remote sensing applications of snow; glaciers and mountain hazards, Global connections between cryospheric regions
5. Mountain meteorology

ABSTRACT AND PAPER PUBLICATION

Participants wishing to present a paper at the workshop are required to submit an abstract. A pre-print of submitted abstracts will be provided for all participants at the workshop. Selected papers will be refereed, edited and published by the International Glaciological Society in an ISI listed publication.

ACCOMMODATION

Details will be given in the Second Circular.

SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)

SCIENCE STEERING AND EDITORIAL COMMITTEE

Perry Bartelt and Jürg Schweitzer, Co-Chief Editors,

LOCAL ARRANGEMENTS COMMITTEE

RN Sarwade (chairman), R Shankar, P Mathur, A Ganju, Amod Kumar, Pramod Satyawali, RR Seth, SS Lalji, K Srinivasan, PS Negi, RK Garg, Snehmani, GK Panesar, VD Mishra, Arun Choudhary

SYMPOSIUM STUDY TOURS

The study tour is planned to the Beas Kund glacier (32° 24', 77° 5'), a temperate glacier on the southern slope of Pir Panjal Range in Manali area of Himachal Pradesh, India. The tour will also visit the Prini hydropower station (192 MW), which is located at a safer place away from Beas river. The Nala feeding the power station originated from 6000m having a catchment area of 144.7 sq km.

There are several places of interest in and around Manali, where short visits can be made: (a) Naggar: a historic place famous for an old castle and a Roerich Art Gallery. (b) Tibetan Monasteries: Ancient monasteries depict rich tradition of spiritualism and handicrafts. (c) Ancient temples and local sight seeing: Manali, an epic town in the land of Gods offers picturesque sights and traditional culture. (d) Manikaran hot water spring is an ancient pilgrimage centre where a blend of different faiths can be seen.

FURTHER INFORMATION

If you wish to attend the symposium (also the symposium study tour) please return the attached form as soon as possible. The Second Circular will give further information about accommodation, the general scientific program and guides for workshop study tours, and preparation of abstracts and final papers. Copies of the Second Circular will be sent to those who return the attached reply form. Members of the International Glaciological Society will automatically receive one.

**INTERNATIONAL SYMPOSIUM ON SNOW AND
AVALANCHES**

Manali, India, 6–10 April 2009

Family Name: _____

First Name(s): _____

Address: _____

Tel: _____ Fax: _____

E-mail: _____

I hope to participate in the Symposium in April 2009

I expect to submit an abstract

My abstract will be most closely related to the following topic(s):

I am interested in an accompanying person's programme

I am interested in the symposium study tours

PLEASE RETURN AS SOON AS POSSIBLE TO:

Secretary General, International Glaciological Society,
Scott Polar Research Institute, Lensfield Road,
Cambridge, CB2 1ER, UK

Tel: +44 (0)1223 355 974 Fax: +44 (0)1223 354 931

E-mail: igsoc@igsoc.org Web: <http://www.igsoc.org>