

Resource Persons



Dr. D. P. Kanungo
Geotechnical Engineering &
Geohazards Group
CSIR-CBRI, Roorkee, India

Dr. Yves Bühler
WSL Institute for Snow and
Avalanche Research SLF,
Davos, Switzerland



Dr. Manojit Samanta
Geotechnical Engineering &
Geohazards Group
CSIR-CBRI, Roorkee, India

Dr. Perry Bartelt
WSL Institute for Snow and
Avalanche Research SLF,
Davos, Switzerland



Dr. R. K. Dash
Geotechnical Engineering &
Geohazards Group
CSIR-CBRI, Roorkee, India

Dr. Jessica Munch
WSL Institute for Snow and
Avalanche Research SLF,
Davos, Switzerland



About the Workshop

Two days workshop on “Modelling rock-ice avalanches, rock falls, and debris flows ” is being organised during September 19-20, 2023 at CSIR-Central Building Research Institute, Roorkee. The workshop is being organised as a joint activity of CSIR-CBRI, Roorkee and WSL Institute for Snow and Avalanche Research SLF, Switzerland under the Indo-Swiss Collaborative Project.

The main objective of the workshop is to expose the participants with the state of the art practices being used at National and International level for modelling debris flows, rockfalls, snow avalanches, and rock-ice avalanches. Lectures and demonstrations with real field case studies by renowned experts will be helpful for early career researchers and professionals working in this field.

Themes

Basic Concepts, Monitoring, Modelling Techniques ,Case Studies and remote sensing of

❑ Debris Flows ❑ Rock falls ❑ Snow Avalanches ❑ Rock Ice Avalanches

❖ Rapid Mass Movement Simulation (RAMMS) ❖ Early Warning



First
Indo-Swiss workshop
on



Modelling rock-ice avalanches, rock falls, and debris flows

September 19-20, 2023

Organised under the aegis of CSIR Integrated Skill Initiative



Organised By



CSIR-Central Building
Research Institute,
Roorkee, India



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC



WSL Institute for Snow
and Avalanche Research
SLF, Davos, Switzerland

CSIR-CBRI, Roorkee, India

The Council of Scientific and Industrial Research (CSIR) is the largest public-funded research establishment in India and Central Building Research Institute is one of the 39 research laboratories of CSIR. The Central Building Research Institute, Roorkee has been vested with the responsibility of generating, cultivating and promoting building science and technology in the service of the country. Since its inception in 1947, the institute has been assisting the building construction and building material industries in finding timely, appropriate and economical solutions to the problems of materials, rural and urban housing, energy conservation, efficiency, fire hazards, structural and foundation problems and disaster mitigation. CSIR-CBRI under one of the disaster mitigation thrust areas, contributes in engineering geological investigations, landslide hazard-vulnerability-risk assessment, landslide dynamics through instrumentation and monitoring, landslide modeling, landslide early warning, debris flow modeling and hazard assessment, UAV based landslide mapping & monitoring, and remote sensing & GIS applications. The Institute has carried out a large number of infrastructure and landslide disaster mitigation related projects in India.

SLF, Switzerland

The SLF is an interdisciplinary research and service centre located in Davos. Around 180 researchers study snow, the atmosphere, natural hazards, permafrost and mountain ecological systems and develop innovative products which put their knowledge to practical use. The SLF is part of the WSL, the Swiss Federal Institute for Forest, Snow and Landscape Research, and therefore belongs to the ETH domain. The SLF researches various aspects related to snow, such as how it is built up and how it changes under various conditions, with the objective of learning how weak layers are formed in the snowpack or how materials – for example, skis – can best glide over snow. Another core competence of the SLF is researching how avalanches occur and how they move over terrain. The SLF also researches other natural hazards with similar processes, such as debris flow and rockfall, as well as permafrost and mountain ecological systems. The SLF also provides various services, including the Avalanche Bulletin, advice on avalanche protection measures, expert opinions on avalanche accidents, and is active in the development of warning systems for natural hazards.

SDC (SCA-Himalayas)

The Strengthening Climate Change Adaptation in Himalayas (SCA-Himalayas) project of Swiss Agency for Development and Cooperation (SDC) focuses on Disaster Risk Management (DRM) and Water Resource Management (WRM) in mountain ecosystems fostering resilience against climate change in the according sectors. The project supports pilots in the Himalayan states of Sikkim, Uttarakhand, Manipur and Himachal Pradesh. It aims to enhance resilience of the mountain communities in the Indian Himalayan Region by integrating climate actions into national and sub-national planning and implementation.

Registration

The delegates are requested to submit the duly filled in registration form to the registration desk through mail id workshop@cbri.res.in. The delegates are requested to register at the earliest possible to avoid inconvenience. There is no registration fee for participation in this workshop. The last date for submission of registration form is 15th September, 2023. Limited Seats are available.

Who should attend

The professionals and students engaged in research, teaching, consultancy or planning in landslide related areas are invited to attend the workshop.

Accommodation, Food, & Travel

Free accommodation and food will be provided to the participants by the organisers. However, no TA/DA will be provided to participants from organisers.

Venue

CSIR-Central Building Research Institute, Roorkee (Uttarakhand) – 247 667, India

Organising Team

Patron

Prof. Pradeep. K. Ramancharla
Director, CSIR- CBRI

CSIR-CBRI, India

Dr. R. Dharamraju
Dr. D. P. Kanungo
Dr. P.K.S Chauhan
Dr. Manojit Samanta
Dr. Rajesh Kumar Dash

SLF, Switzerland


Dr. Yves Bühler
Dr. Perry Bartelt
Dr. Jessica Munch

SDC

Ms. Eveline Studer
Ms. Divya Mohan
Mr. Ajay Katuri
Mr. Bhupendra Bhaisora


Contact Details


Dr. D. P. Kanungo

 9412073009


 dpkanungo@cbri.res.in

Dr. P. K.S Chauhan

 9411100994


 pkschauhan@cbri.res.in


Dr. Manojit Samanta

 9997729912

 manojit@cbri.res.in

Dr. Rajesh Kumar Dash

 9853123933

 rajesh.geol92@gmail.com