

LANDSLIDES IN KERALA 2018

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ABOUT THE SYMPOSIUM

Mass wasting is a highly susceptible event in the regions of Western Ghats in Kerala. Such redistribution of rock, sand, debris and other materials leads to disaster especially in a State having a third position in the population density in our country. The incidence of unabated rain during August 14th - 16th of 2018 led to unprecedented number of landslides in three districts: Idukki, Wayanad and Thrissur in the state of Kerala, caused a death toll about sixty and a heavy loss of cultivating land and severe damages to flora and fauna.

Geological, geomorphologic and anthropogenic causes along with heavy rain as a trigger resulted for more than 600 landslides in the state. The dominant cases were Debris flow and the remaining ones were Slump, Landslip, Rock falling and a new one in the class viz., Soil piping.

The awareness and preparedness are the most effective prevention and mitigation measures against possible threats of landslides. This symposium is expected to provide deliberations on causes of landslides, mitigation and precautions.

IEEE HAC

The IEEE Humanitarian Activities Committee (HAC) is tasked with supporting the Board-endorsed vision of IEEE volunteers around the world carrying out and/or supporting impactful humanitarian activities at the local level; i.e., "feet on the ground."

26Jan2019
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Organized by

IEEE Kerala Section in association with
IEEE Humanitarian Activities Committee and
IEEE Student Branch Govt. Engg. College Munnar



Resource Persons

- ❖ Dr.Muralee Thummarukudy, Chief of Disaster Risk Reduction in the UN Environment Programme.
- ❖ Dr.Sekhar Lukose Kuriakose, Kerala State Disaster Management Authority, Department of Revenue and Disaster Management, Govt. of Kerala
- ❖ Er.Sasi P.M., Sr. Director, CDAC; Chair, IEEE SIGHT, Kerala Section
- ❖ Dr.S.Sreekumar, Director, Integrated Rural Technology Centre
- ❖ Padma Shri G.Shankar, MD, Habitat Technology Group
- ❖ Prof.S.Chandrakaran, NIT, Calicut

Topics to be covered

- ✓ Causes and trigger of landslides in Kerala during August 2018
- ✓ Landslide prediction on the basis of Landslide Susceptibility Zonation map and related techniques
- ✓ Case studies
- ✓ Impact of human settlement and manmade constructions
- ✓ Mitigation
- ✓ Appropriate Early warning systems for mass wasting
- ✓ Factors to be considered for constructions in ecological sensitive regions

The Govt.College of Engineering Munnar is situated in the Munnar hillstation of the State of Kerala, India. College of Engineering Munnar is an Institute of higher learning established by Government of Kerala and is managed by the Center for Continuing Education Kerala (CCEK). The Institution was started in the year 2000 and is affiliated to APJ Abdul Kalam Technological University Kerala from 2015 admission onwards. The college is approved by All India Council for Technical Education (AICTE), New Delhi. It is one of the finest engineering institutions in Kerala.The Chairman of the Governing Body of the institution is the Hon'ble Minister for Education, Government of Kerala and the Vice-Chairman is the Principal Secretary (Higher Education) Government of Kerala.

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