

## Geotechnical Earthquake Engineering

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### Geotechnical Earthquake Engineering

The Earthquake and Geotechnical Engineering research group is a team of world leading academics who are studying ways to improve the resilience of infrastructure to extreme events and make ...

### Earthquake and Geotechnical Engineering

and interpreting house plans prepared him for his formal schooling in civil engineering. Quality research stems for solving real world problems for the benefit of society. As a geotechnical earthquake ...

### Geotechnical Earthquake Engineering: Innovative Solutions in Modeling, Design, and Education

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Since 1987, MCEER, formerly the Multidisciplinary Center for Earthquake Engineering Research (MCEER) and the National Center for Earthquake Engineering Research (NCEER), has produced over 600 ...

## **MCEER/NCEER Publications**

Guwahati has launched a new 'Centre for Disaster Management and Research' (CDMR) that was inaugurated by the Chief Minister of Assam Himanta Biswa Sarma.

## **IIT Guwahati Sets up Centre for Disaster Management and Research**

Title: Engineering Research Center for Bio-mediated and Bio-inspired Geotechnics (CBBG). Ground engineering is a critical part of the construction of all civil infrastructure, remediation of ...

## **Engineering Research Center for Bio-mediated and Bio-inspired Geotechnics (CBBG)**

Guwahati: Chief Minister of Assam Dr. Himanta Biswa Sarma has inaugurated a new 'Centre for Disaster Management and Research' (CDMR) at Indian Institute of Technology Guwahati. The new facility was ...

## **Assam Chief Minister Dr. Himanta Biswa Sarma Inaugurates Centre for Disaster Management and Research at IIT Guwahati**

Such formulas are useful for numerical methods and practical application to problems of wave propagation in elasticity, soil dynamics, earthquake engineering, mechanical vibration, or geophysics.

## **Fundamental Solutions in Elastodynamics**

It happens when sandy soil with shallow groundwater shakes in an earthquake and behaves ... below runways and terminals," said OSU geotechnical engineering professor Armin Stuedlein, who

led ...

## **Researchers help prepare Portland International Airport for when 'The Big One' hits**

Soil liquefaction remains a leading cause of earthquake damage worldwide ... integrating physics-based and data-driven methods to accelerate discoveries in geotechnical engineering and develop robust ...

## **CAREER: Soil Liquefaction Evaluations at Multiple Scales: Reshaping Research, Training, and Education Through Physics-Guided Data Science**

GUWAHATI: In line with the assurance given to Prime Minister Narendra Modi to utilize cutting-edge technology to minimize risks in the disaster-prone northeast, the IIT-Guwahati (IIT-G) has ...

## **IIT Guwahati launches centre for managing disasters in NE**

Research in earthquake and structural engineering focuses on bridge ... population growth and economic factors impact water quality. The geotechnical engineering program focuses on vehicle-pavement ...

## **Our research**

The research contributions have been in many diversified disciplines, including, geotechnical-earthquake engineering, offshore engineering, and transportation engineering. He was directly responsible ...

## **Raj Siddharthan**

Scott Ashford, a geotechnical engineering professor at Oregon State ... Danielle Hutchings, who coordinates the Earthquake and Hazards Program for the Association of Bay Area Governments, said ...

## **Unstable soil could mean more quake damage**

MS (Geology), Central Department of Geology, Tribhuvan University, Kathmandu (2018)  
Chamlagain, D., Lanzo, G., Poovarodom, N., and Giri, B., "Earthquake ...

## **Bibek Giri**

His main research interests are on the application of engineering geology and geotechnical analyses on the investigation ... His recent research mainly focuses on rock slope stability, ...

## **Sergio Sepulveda**

She then spent three years as a Royal Academy of Engineering Postdoctoral Fellow at the University ... There she gained valuable field experience in investigating landslide and earthquake behaviour as ...

## **Department of Civil and Structural Engineering**

Structural dynamics and earthquake engineering. Teaching Interests: Statics and Dynamics; Construction Materials and Methods; Hydrology; Project Management, Civil Drafting; Transportation Engineering; ...

## **Zhaochao Li**

His main research interests are on the application of engineering geology and geotechnical analyses on the investigation ... His recent research mainly focuses on rock slope stability, ...

