



Popular Lecture Series

under

ERUDITE SCHEME

By

Dr Thomas Oommen

(Associate Professor, Michigan Technological University, USA)

Organized by

Kerala State Higher Education Council

and

Department of Geology, University of Kerala

18 to 21 September 2017

Programme

18 September 2017

Lecture 1

Drone: A new toy in the tool kit of Engineering Geology

Time: 2 - 5 pm

Venue: Government Engineering College, Barton Hill

19 September 2017

Lecture 2

Landslide analysis: Tools and techniques

Time: 3.30 - 5 pm

Venue: Department of Geology, University of Kerala, Kariavattom

20 September 2017

Lecture 3

Building and Forgetting is not an option- Role of Remote Sensing in Asset Management and Infrastructure Monitoring

Time: 10 am - 1 pm

Venue: College of Engineering, Trivandrum

Lecture 4

State-of-the-Art techniques in Asset Management and Infrastructure Monitoring

Time: 2 - 4 pm

Venue: Department of Geology, University of Kerala, Kariavattom

21 September 2017

Lecture 5

Theoretical Aspects of Interferometric Synthetic Aperture Radar (InSAR) Technology

Time: 10 am - 1 pm

Venue: Indian Institute of Space Science Technology, Valiamala

About the speaker



Dr. Thomas Oommen completed his MS in Systems Engineering from the Department of Geological Engineering at the University of Fairbanks, Alaska. He received his PhD degree in Geotechnical and Geo-environmental Engineering from Tufts University, Massachusetts, USA, in 2010. He is an Associate Professor in the Department of Geological and Mining Engineering and Sciences at Michigan Technological University. His primary research activities are in the application of machine learning, image processing, and remote sensing for pre- and post-geohazard characterization. His research on landslide hazard has been supported by prominent funding agencies including NASA, NATO, and World Bank.