

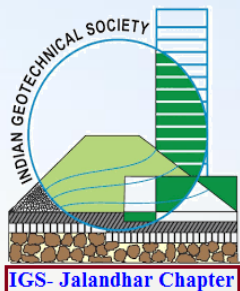
# IGGEC-21

First

## INDIAN GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING CONFERENCE

(Virtual Mode)

November 19-20, 2021



Organised by  
**Indian Geotechnical Society**  
Jalandhar Chapter



in Association with  
**Department of Civil Engineering**  
Dr B R Ambedkar National Institute of Technology  
Jalandhar, Punjab-144011 India

### Patron

**Prof. (Dr.) Rajiv Kumar Garg**

Director, NIT Jalandhar

### Conference Chair

**Prof. (Dr.) Arvind K Agnihotri**

NIT Jalandhar

### Co-Chair & Principal Organizing Secretary

**Dr. Hemant S. Chore**

NIT Jalandhar

### Inaugural Session (9.45-10.55 AM IST)

- 9.30-9.45: Joining Time
- 9.45: Introduction to IGGEC-21 by Dr H S Chore (Secretary IGS Jalandhar Chapter)
- 9.47: Welcome Address and introduction to Keynote Speakers by Prof Arvind K Agnihotri (Chairman IGS Jalandhar Chapter)
- 9.51: Opening Remarks by Prof N K Samadhiya (National President IGS)
- 9.53: Address by Prof G L Sivakumar Babu (Immediate past President, IGS)
- 9.55: Address by Prof R K Garg (Director NIT Jalandhar)
- 9.58: Address by Prof Krishna R Reddy (Professor UIC)
- 10.00: Keynote Lecture by Dr Kevin Richards
- 10.25: Keynote Lecture by Prof Krishna Reddy
- 10.50: Vote of Thanks by Dr Rupali S

### Guests of Honour

**Prof N K Samadhiya**

IIT Roorkee

**Prof R K Garg**

Director, NIT Jalandhar

**Prof Krishna R Reddy**

University of Illinois, USA

**Prof G L Sivakumar**

Babu, IISc Bangalore

**Dr. Kevin S. Richards**

U.S.Army Corps of  
Engineers, USA

"Select papers from the conference will be published by Springer as a proceedings book volume. Springer will conduct quality checks on the accepted papers and only papers that pass these checks will be published."

Registration link:

<https://forms.gle/4a5Zgbth9gN2b8RT9>

### Registration Fee

IGS Members	Non-IGS Members	Students
INR 900	INR 1200	INR 750

### Presentation Schedule

[https://www.nitj.ac.in/index.php/nitj\\_cinfo/pages/631](https://www.nitj.ac.in/index.php/nitj_cinfo/pages/631)

Day 1 (November 19, 2021)	Day 2 (November 20, 2021)
Inaugural Session and Keynote Lectures 1&2 9.45 – 10.55 AM IST	Keynote Lecture 4 10.30 AM to 10.55 AM IST
Paper Presentation Session I & II 11.00AM -1.00PM IST	Paper Presentation Session V & VI 11.00AM -1.00PM IST
Paper Presentation Session III & IV 3.00PM -6.00PM IST	Keynote Lecture 5 & 6 3.00 PM to 3.50 PM IST
Keynote Lecture 3 6.30PM to 6.55 PM IST	Paper Presentation Session VII & VIII 4.00PM -6.00PM IST

### Contact Details

Dr. Rupali S.

Organizing Secretary (IGGEC-21)

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### Account Details

Name of the Bank: CANARA BANK

Branch: NIT Jalandhar

IFSC: CNRB0002945

Name of the Account: IGS

JALANDHAR CHAPTER

Account No. 2945101004467

### Keynote Lectures (November 19, 2021)

**Lecture 1 (10.00-10.25 AM IST):** "Benefits and Challenges of Risk Informed Engineering Practice" by **Dr. Kevin S. Richards** U.S.Army Corps of Engineers, USA

**Lecture 2 (10.25-10.50 AM IST):** "Sustainability Assessment of Controlled Low Strength Materials Utilizing Various Industrial Waste Products" by **Prof Krishna R Reddy, UIC, USA**

**Lecture 3 (6.30-6.55 PM IST):** "Landslide site assessment using drones" by **Prof. L Sebastian Bryson, University of Kentucky**

### Keynote Lectures (November 20, 2021)

**Lecture 4 (10.30-10.55 AM IST):** "Rock Socketed Piles in Mumbai Region Analysis of Load Tests Data" by **Prof. D.M. Dewaikar (Retd. Emeritus Fellow), IIT Bombay**

**Lecture 5 (3.00-3.25 PM IST):** "Sustainable Geotechnics" by **Prof G L Sivakumar Babu, IISc Bangalore**

**Lecture 6 (3.25-3.50 PM IST):** "Estimation of Support Pressure using Numerical Analysis of a Powerhouse Cavern in Anisotropic Rockmass" by **Prof N K Samadhiya, IIT Roorkee**

### Convener

**Dr. Davinder Singh**

NIT Jalandhar

### Organizing Secretary

**Dr. Mrs. Rupali S.**

NIT Jalandhar

### Joint Organizing Secretary

**Dr. K. Senthil**

NIT Jalandhar

### Joint Organizing Secretary

**Dr. Kanish Kapoor**

NIT Jalandhar