

## REGISTRATION

Plaxis Advanced Course on  
Computational Geotechnics  
24-26 October 2018,  
Chennai, India

Surname: \_\_\_\_\_

E-Mail: \_\_\_\_\_

First name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Titles and initials: \_\_\_\_\_

Fax: \_\_\_\_\_

Organisation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Country: \_\_\_\_\_  
\_\_\_\_\_

### COURSE ORGANISER

Ram Caddsys Pvt Ltd,  
A8, Vaigai appartments 4,  
Giri Street, West mambalam,  
Chennai - 600 083, India.

Tel: 044 24743966 / 7738

Fax: 044 24896097

Email: [info@ramcadds.in](mailto:info@ramcadds.in)  
Website: [www.ramcadds.in](http://www.ramcadds.in)

I will attend: Course Fees (Indian Rs)

Professional  Rs 39500

Academic  Rs 19500

Please send the cheque/DD and registration form to Ram  
Caddsys Pvt Ltd.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

### REGISTRATION

Registration will be accepted in there order in which they are received. Participants who require visa are suggested to register early. In some cases the process of obtaining a visa may take up to a few months. To register for the course please complete the registration form and send it to the course secretariat.

### COURSE VENUE

IC&SR Hall 2  
Indian Institute of Technology Madras, Chennai, India

### PLAXIS SOFTWARE

International  
Plaxis bv  
P.O. Box 572  
2600 AN Delft  
The Netherlands

Tel: + 31 (0)15 2517720

Fax: + 31 (0)15 2573107

Email: [sales@plaxis.com](mailto:sales@plaxis.com)

India  
Ram Caddsys Pvt Ltd  
A8, Vaigai appartments 4, Giri Street, West  
mambalam, Chennai - 600 083, India.

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Email: [info@ramcadds.in](mailto:info@ramcadds.in) Website:  
[www.ramcadds.in](http://www.ramcadds.in)

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# PLAXIS

essential for geotechnical professionals



ADVANCED COURSE ON COMPUTATIONAL GEOTECHNICS  
24-26 October 2018, Chennai, India

# ADVANCED COURSE ON COMPUTATIONAL GEOTECHNICS

24-26 October 2018, Chennai, India

## INTRODUCTION

The course brings together experts and analysts from across the region. This computational geotechnics course is tailored for engineers and researchers seeking knowledge on the use of PLAXIS. Join us and discover new potentials for effective and confident usage of Plaxis Finite Element Codes within your professional organisation.

## SCOPE

You will learn advanced techniques and solutions from experts from PLAXIS and partner academic institutions. Plaxis numerical analysts will have the opportunity to further develop their understanding of Plaxis Code's extensive range of capabilities.

## FORMAT

- Attendees of this course are assumed to have operational knowledge of PLAXIS 2D program. In the absence of such, the attendee is advised to attend a Pre-course training prior to the course.
- This advanced course from 24 to 26 October consists of intensive session blocks and each block is made of two full 60 min lectures and a 75 min exercise with full tutoring.

## VENUE

IC&SR Hall No. 2, Indian Institute of Technology Madras, Chennai, India

## COST

The course fees will be:

Professional	Rs 39500
Academic	Rs 19500

The course fee includes a full set of instruction materials and the use of a computer. A computer will be shared between two participants. The course fee does not cover accommodation (Please refer to the Hotel section for information and costs). The course fee includes service tax of 12.36%.

## PROGRAM

Wednesday 24 October 2018	Thursday 25 October 2018	Friday 26 October 2018
<b>Morning Session</b>	<b>Morning Session</b>	<b>Morning Session</b>
Geotechnical Finite Element Method	Modelling of Deep Excavations in Plaxis	Initial Stresses and Safety Analysis
Elasto-plasticity and Mohr-Coulomb Model	Structural Elements in Plaxis	Slope Stability (Saturated & Unsaturated)
Exercise 1: Shallow Foundation	Exercise 3: Tied-back Excavation	Exercise 5: Slope Stability
<b>Afternoon Session</b>	<b>Afternoon Session</b>	<b>Afternoon Session</b>
Critical State Soil Mechanics	Groundwater Analysis	Modelling of Tunnels in 2D
Hardening Soil and HS-small Models	Drained and Undrained Analysis	Modelling of Tunnels in 3D
	Consolidation Analysis	Concrete and Swelling Rock Models
Exercise 2: Laboratory Test	Exercise 4: Dewatering of Excavation	Exercise 6:

### Prof. Helmut F. Schweiger

*Graz University of Technology*

Helmut obtained his Ph.D from the University College of Swansea, U.Kingdom and teaches courses on Advanced Soil Mechanics and Computational Geomechanics at the Graz University of Technology, Austria. He has over 15 years of experience in development and application of the finite element method. As a member of several committees Helmut is involved in formulating guidelines and recommendations for the use of finite elements in practical geotechnical engineering.

### Dr William Cheang Wai Lum

*Plaxis Asia*

William obtained his Ph.D from the National University of Singapore. His interest is in Computational Geotechnics. He has worked as a Geotechnical Engineer in Malaysia, Singapore and Thailand. He is involved with many seminars and workshops around Asia for the promotion of good and effective usage of Plaxis Finite Element Codes.

### Prof. K Rajagopal

*Department of Civil Engineering*

*Indian Institute of Technology, Madras*

Prof. Rajagopal has extensive experience in computational methods applied to geotechnical engineering. He has guided several Masters and Ph. D. Students in these areas. His expertise is in Finite Element Methods applied to construction of soil structures and ground improvement. And conducted several workshops on the above topic over the past few years.

### Mr V. Sivasubramanian

*General Manager Ram Caddsys Pvt Ltd*

Mr.Sivasubramanian is a graduate from College of Engineering, Guindy, Anna University, and Chennai. He obtained his post graduate from Sathyabama University, Chennai. He has over 10years of experience in Structural Design of various industrial structures, sub structures, bridges and etc. He is with Ram Caddsys Pvt Ltd, Chennai from Feb 2011 and looking after technical support for geotechnical and infrastructure solutions.

LECTURERS