

## ABOUT GUC

The German University in Cairo is an independent, non-profit oriented Egyptian private institution, founded by the presidential decree in 2002, and managed by a consortium of Germans and Egyptians with the vision of building a leading center of excellence in teaching and research that will effectively contribute to the general welfare nationally and internationally and endeavor the scientific, technical, economic and cultural cooperation between Egypt and Germany. It is the first integrated German university outside Germany that has 3 Bologna cycles: B.Sc., M.Sc. and Ph.D. of 71 programs, aiming to integrate academia, research, and industry for the best practices model of education.

In 2007, GUC inaugurated the first Industrial Park linked to education and research in Africa and the Middle East. In 2012, GUC established The Berlin campus in the heart of Berlin City, to facilitate the transfer of not only the German know-how but also European technical knowledge to the GUC international calibers.

## ABOUT CIVIL ENGINEERING PROGRAM

The Civil Engineering Program was established in 2009, degree offered by the Faculty of Engineering and Materials Science Faculty. Our vision is to provide a prominent and internationally recognized learning environment for the students, researchers, and faculty interested in diverse fields of Civil Engineering. The Civil Engineering Program owns one of the most current and comprehensive computer-based and experimental clusters of civil engineering labs. All labs are outfitted with popular and advanced civil engineering software, highly developed analog & digital field measurement instruments, as well as, state of the art lab engineering testing equipment. The Civil Engineering Program; as with the case with all academic programs offered by the GUC; has high caliber faculty members selected from national and international academic professionals.

## CONTACT US

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## THE GERMAN UNIVERSITY IN CAIRO

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## GERMAN UNIVERSITY IN CAIRO Faculty of Engineering and Materials Science CIVIL ENGINEERING PROGRAM

TRAINING COURSE  
**GEOTECHNICAL MODELING  
USING PLAXIS 2D AND 3D**  
17<sup>th</sup> to 19<sup>th</sup> of January 2016

**PLAXIS**

## COURSE OBJECTIVE

The Civil Engineering program in the German University in Cairo is organizing and hosting short training course on Geotechnical modeling using PLAXIS 2015 software. This 3-day training course will focus on geotechnical modeling using PLAXIS 2D and 3D. PLAXIS is a user friendly computer program that is used worldwide by engineers to investigate practical problems for geotechnical deformations, stability assessment, consolidation analysis, and soil-structure interaction. New features in modeling, calculations, and script environment of recent version PLAXIS 2015 will be introduced. The training main topics will include constitutive laws of stress-strain relations, elasto-plastic analysis, consolidation and time-dependent behavior, retaining structures of excavation, slope stability, and analysis of raft foundation, piles and tunnels. Several cases studies studied by PLAXIS will be illustrated

## WHO SHOULD ATTEND

This training course is targeting professional engineers, graduate students, researchers and senior students from Civil Engineering industry and Universities.

## ADDED BENEFIT

At the end of the training course, each participant will receive an official Certificate of Training authorized by PLAXIS .

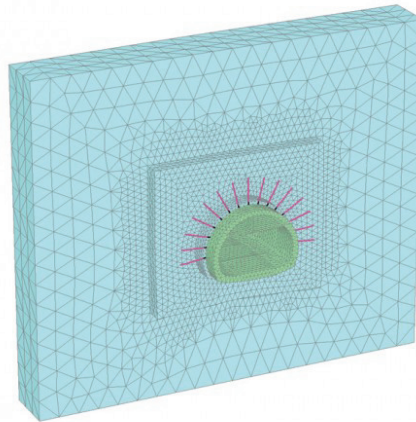
## VENUE

The training course will be organized at the German University in Cairo. The training to use PLAXIS 2015 software for geotechnical modeling will be arranged in the computer labs of the Civil Engineering Program, which are located on the 3rd

floor of the D4-building at the GUC. Each participant in this training course will have individual access to a desktop computer in the lab, where the software is installed to practice and interact with the PLAXIS 2015 software during the training sessions.

## REGISTRATION FEES

The total number of participants is limited to twenty five (25). Registration Fees is 2500 LE, which include the training materials, reception, daily lunches, coffee breaks, use of computer labs, and the training certificate. Registration dead line: 24th of December 2015



## COURSE LANGUAGE AND FORMAT

English language is the language of the workshop. Also, all workshop material will be in English.

Each day consists of two morning sessions and two afternoon sessions. Each session deals with a specific topic and extends from 60 to 90 minutes. Practical problems and case studies by PLAXIS will be presented.

## ORGANIZING COMMITTEE

Prof. Dr. Ibrahim El-Dimeery  
Prof. Dr. Moustafa Baraka  
Prof. Dr. Nayer El-Esnawy  
Assoc. Prof. Dr. Mona Badr El-Din  
Assoc. Prof. Dr. Amr Shaat

## COURSE COORDINATOR:

Assoc. Prof. Dr. Mona Badr El-Din Anwar  
Civil Engineering Program - EMS  
German University in Cairo  
e-mail: mona.anwar@guc.edu.eg

## PLAXIS TRAINING INSTRUCTOR:

The PLAXIS training will be delivered by Prof. Dr. Yasser El-Mossallamy. Prof. Yasser El-Mossallamy is a professor at Ain Shams University, Cairo, Egypt. He has been a researcher and consultant since 30 years. He has finished his baccalaureate and master degree in Ain Shams University and his PhD in Germany. He has worked by ARCADIS Consult in Germany for about 13 years. Prof. El-Mossallamy's work includes the application of numerical modeling and analyses in geotechnical projects. He has a wide experience by the design and construction of high-rise buildings, bridge foundation and heavy industry foundations such as clinker silos and LNG tanks. He was also involved in many projects dealing with special measures to increase stability of landslides, soil improvement, rock fall hazards and tunneling. He has more than 80 publications dealing with different geotechnical topics. He is a member of several national and international technical committees such as the German Committee of Piled Raft and Soil Improvement as well as the Egyptian Bridge Design Committee, the Egyptian Committee of Piling as well as the International Committee TC 207.

## REGISTRATION DETAILS

1. Fill in the registration electronic form in the below link:  
[http://www.guc.edu.eg/events/geo\\_plaxis](http://www.guc.edu.eg/events/geo_plaxis)
2. Press Submit button and you will receive an ID registration number (please keep it)
3. Within two days, you will receive your registration confirmation by email and ID number for payment before the deadline to officially reserve a seat in the training. Then, you need to pay the registration fees in the GUC account at the nearest CIB bank branch using the emailed ID payment number.
4. Please send a scanned copy of the bank receipt by email to the Course coordinator Dr. Mona Badr of GUC to confirm your seat reservation, and submit the original copy of the receipt in the first day of the training.

For further queries contact the course coordinator by e-mail

## TRAINING PROGRAM OVERVIEW

Detailed program can be downloaded at [http://www.guc.edu.eg/events/geo\\_plaxis](http://www.guc.edu.eg/events/geo_plaxis)

