



2017

**INTERNATIONAL CONFERENCE
ON RECENT DEVELOPMENTS AND INNOVATIONS IN
GEOTECHNICS & HIGH RISE STRUCTURES**

8.00 AM
16TH, 17TH & 18TH MAY, 2017

Day 1: International Conference Agenda

08.00 - 08.40	Registration
08.40 - 08.50	Welcome note by MIDAS
08.50 - 09.00	Welcome note by DCCA

Session I

09.00 - 09.45	Identification of Soil and Rock Parameters by scientific Interpretation of Field Measurements	Prof. Rolf Katzenbach
9.45 - 10.30	Challenges for Tall Building Foundation Design	Prof. Harry Poulos
10.30 - 10:45	Break	
10:45 – 11.30	Tailored Ground Improvement Methods for Safe Foundation of Heavily Loaded Structures	Prof. Michal Topolnicki
11:30 – 12:15	Tall Buildings-The Art of Structural Design	Dr. Khaled Ismail
12:15 – 13:00	Numerical simulation of (mono) Pile Installation	Dr. Ahmed Elkadi

Session II

14:00 – 14:30	Post tensioned slabs in high rise buildings: Issues in Design	Prof. Ayman Hussain
14:30 – 15:00	Using of Smart Memory Alloys in multi-story structures	Dr. Hisham Nada
15:00 – 15:30	Design soil and rock pressures behind Retaining Walls	Dr. Andrew Smith
15:30 - 16:00	Break	
16:00 – 16:30	“2D & 3D Modelling and Seepage Analysis in Deep Excavations and Design of Deep Foundation Piles” - A Case Study	Turgut Kaya
16:30 – 17:00	ICD Brookfield place - Modern Engineering Challenges	Samer Jarrar

Day 2: Workshop Agenda

9:00-9:30		Registration
Session I		
9:30 - 9:40	Introduction: Different foundation types	Prof. Harry Poulos
9:40 - 10:10	Pile settlement and introduction to pile-soil Interaction	Dr. Andrew Smith
10:10 - 10:40	Introduction & concept of CPRF and discussions on pile-soil interaction	Prof. Harry Poulos
10:40 - 11:00	Q&A	
11:00 - 11:15	Break	
11:15 - 11:35	Principal of Load Deformation Behavior	Prof. Rolf Katzenbach
11:35 - 12:05	Design Principles including Step-by-Step Analysis, Guidelines & Optimization.	Prof. Rolf Katzenbach
12:05 - 12:35	Modelling of Case Studies and Economical Design Benefits	Prof. Rolf Katzenbach
12:35 - 12:50	Q&A	
12:50 - 13:50	Break	
13:50 - 14:10	Case Study on Geotechnical Design Procedure in Dubai and Recommended Alternative	Benoit Latapie
14:10 - 14:25	Interaction between Structural Design and Ground Behavior – Who should do the Site Investigation Interpretation?	Dr. Andrew Smith
14:25 - 15:20	Panel Discussions on CPRF design issues: <ul style="list-style-type: none"> • IBC code on pile-raft design • Euro Code on pile-raft design • Local Authorities stipulations • Transient loading – pile-raft interaction • CPRF 3rd party reviewer and site investigation minimum requirements • Geotechnical information - Who prepares and uses them? 	Prof Poulos (Moderator) Prof. Katzenbach. Merie Mohammed. Andrew Smith Benoit Latapie
15:20 - 15:35	Break	
15:35 - 16:05	Panel Discussions on foundation design challenges on ICD Brookfield project : <ul style="list-style-type: none"> • Introduction – ICD Brookfield • Crack width control • Ko Ka issues for retaining wall design • Thermal shrinkage • Transient loading (e.g. wind) criteria • Local Authorities regulation 	Andrew Smith (Moderator) Prof. Poulos Prof. Katzenbach. Merie Mohammed. Benoit Latapie BSBG (Introduction)
16:05 - 16:30	General Discussion & Closing Remarks	

Day 3: Site Visit Agenda

8:45 - 9:00 Bus to Site

Session

9:00 - 9:15	Introduction to Project	Scott Orwin
9:15 - 9:30	Site Progress & Construction Work	Andrew Lipshut
9:30 - 10:00	Geotechnical Design Challenges	Dr. Andrew Smith
10:00 - 10:30	Main Operational Challenges	TBA Swiss Boring
10:30 - 11:00	Refreshments	
11:00 - 11:45	Site Walk	
11:45 - 12:15	Open Discussion / Questions	
12:15 - 12:30	Short Lunch	
12:30 - 1:00	Return Bus	