

COVERS IN WASTE CONTAINMENT FACILITIES

30 July 2009, Monash University,

This course will provide practical technical information for designing environmentally sound and economical covers waste containment. It will improve the ability to select and properly engineer materials by learning about the types of covers and their design, types of geosynthetics and their properties and applications. Proven construction methods for different types of covers along with quality assurance techniques will be presented. The course is intended to equip each participant with updated knowledge to design and construct cost-effective covers that maintain their integrity and meet regulatory requirements. The course is an excellent opportunity for engineers to enhance their skills on this topic through experiences of internationally renowned experts and the Monash Geomechanics Group.

ABOUT THE SPEAKERS

Dr. A (Malek) Bouazza FIEAust is an Associate Professor in Civil Engineering at Monash University and Adjunct Research Professor at Cardiff University, U.K. He has an international reputation for research in Geosynthetics and Environmental Geotechnics. His research has been recognised by a number of awards including, recently the 2006 International Geosynthetics Society Award and Gold Medal for outstanding contribution to advances in the scientific and engineering developments of geosynthetics. Dr. Bouazza is very prominent in technical and professional society activities and serves on a number of international technical committees. Currently, he is a member of the International Geosynthetics Society (IGS) council and chair of the Asian Activities Committee of the International Geosynthetics Society. Vice-President of the Australasian Chapter of the International Geosynthetics Society (ACIGS), co-chair of the International Geosynthetics Society Education Committee, core member of technical committee 5 (TC5) on Environmental Geotechnics of the International Society of Soil Mechanics and Geotechnical Engineering and a member of the Standard Australia committee C20 on Geosynthetics. He serves on the editorial board of 5 International Journals. His skills and experience in the area geosynthetics are well recognized in Australia and abroad. In addition to his academic commitments, Dr. Bouazza gives specialist advice for the industry both nationally and internationally.

Dr. Jorge Zornberg, PE is the Fluor Centennial Associate Professor in Geotechnical Engineering at the University of Texas at Austin. He earned his BS from the Universidad Nacional de Córdoba (Argentina), his MS from PUC-Rio (Rio de Janeiro, Brazil), and his Ph.D. from the University of California at Berkeley (USA). He is a registered Professional Engineer with over 20 years experience in both research and practice in geotechnical, geoenvironmental and geosynthetics engineering. Dr. Zornberg's research is in the areas of geosynthetics, soil reinforcement and environmental geotechnics. Specifically, his soil reinforcement research includes the evaluation of strain distribution within reinforced soil structures, fiber reinforced soil, reinforced soil structures for bridge abutments, creep in geosynthetic reinforcements, the use of geosynthetics to reinforce poorly draining fills, and the reinforcement of pavement systems. His research in environmental geotechnics include the benign reuse of recycled tires, design of liquid collection layers, shear strength of geosynthetic clay liners, exposed geomembrane covers subject to wind uplift, quantification of leakage through geomembrane liners, reinforced cover systems and the design of alternative cover systems (evapotranspirative covers) for waste containment.

Dr. Zornberg currently serves as the vice-president of the International Geosynthetics Society (IGS). He chairs the International Activities Council of the Geo-Institute of ASCE. Among other awards, he received the *Presidential Early Career Award for Scientists and Engineers* (PECASE) from the Executive Office of the President of the United States.



MONASH University

Department of Civil Engineering

Short Course

COVERS IN WASTE CONTAINMENT FACILITIES

MONASH UNIVERSITY,
Department of Civil Engineering,
Building 60,
Clayton Campus

Thursday 30 July 2009



COURSE SCHEDULE

9:00- 9:30	Registration
9:30- 10:30	Traditional Cover Systems (Malek Bouazza)
10:30-11:30	Geosynthetics in Covers (Malek Bouazza)
11:30-11:45	Break
11:45-12:45	Properties of Unsaturated Soils and Geosynthetics (Jorge Zornberg & Malek Bouazza)
13:00-14:00	Lunch
14:00-15:00	Alternative Earthen Final Covers (Jorge Zornberg)
15:00-16:00	Case Studies (Jorge Zornberg)
16:00-16:30	Break
16:30-17:30	(Industry discussion session) Speakers from Consulting Engineering Companies and Geosynthetics manufacturers
17:30	Close

GENERAL INFORMATION

Registration: The number of places is limited to 40 and will be filled in order of receipts of registrations. Participants are encouraged to make registrations in advance by using the attached registration form. Complete and return the registration form (or a copy) by mail or fax to:

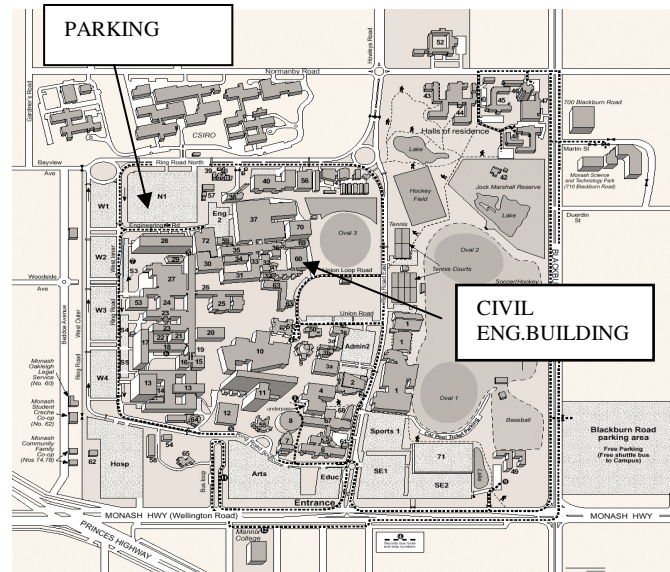
Mrs Jenny Manson
 Department of Civil Engineering, Building 60
 Monash University, Vic. 3800
 Tel.: 03 9905 1956; Fax:03 9905 4944
 Email: jenny.manson@eng.monash.edu.au

Fees: The fee for registration is **\$450** (GST inclusive). The registration fee includes the course, reference material, light lunch and refreshments. If there is room available, registration may be taken during the registration period on site.

Refunds, less a handling fee of \$50, will be made in the event of cancellation, provided notification is received in writing 5 days prior to the event. For cancellations received after this date no refund will be given but substitute delegates are welcome.

Venue: Monash University, Union Building Cinema, Clayton Campus, Melbourne, Vic 3800.

NOTE: Registration will take place at the Department of Civil Engineering, Building 60, Seminar Room



FURTHER TECHNICAL INFORMATION

Technical Information regarding the short course can be obtained from Dr. A (Malek) Bouazza at:

Tel.: 03 9905 4956, Fax: 03 9905 4944
 Email:malek.bouazza@eng.monash.edu.au

REGISTRATION FORM

To register, please fax or post this completed form by July 27, 2009 to

COVERS IN WASTE CONTAINMENTS
 Mrs Jenny Manson
 Department of Civil Engineering, Building 60
 Monash University, Vic. 3800
 Tel.: 03 9905 1956; Fax:03 9905 4944
 Email: jenny.manson@eng.monash.edu.au

Payment can be made by cheque or credit card payable to Monash University

Name(s):.....
 Organisation:.....
 Job Title:.....
 Address:.....
 Postcode:.....
 Phone:.....Fax:.....
 Email:.....

Registration Fee

Enclosed is my registration fee of \$ 450

Method of Payment (tick as appropriate)

Cheque
 Please charge the above amount to the following credit card
 VISA MASTERCARD

Card No

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Card held in the name of Name:.....

Expiry Date:.....**Signature:**.....

Please inform us of any special dietary requirements