

CPD-accredited lecture:

Road Pavement Maintenance with Geosynthetics

If cracks in road surfaces can be prevented from growing into potholes or weakening the pavement layerwork via the transmission of surface water into basecourse and sub-base layers, much expense can be avoided. Many of the 'traditional methods of sealing cracks and repairing potholes seem however, to result in unsatisfactory outcomes. The proper use of paving fabrics and grids is a time-honoured remedy (in use since the 1930s), and when properly executed the life of pavements can be considerably extended using these measures.

Delegates will come away with a good understanding of what these versatile materials can do. **This SAICE CPD-accredited lecture is presented free of charge to professionals in the engineering fields.**

CPD Credits 0.2 (two hours) apply for ECSA registered persons.

An attendance certificate will be issued to each delegate.

This can be used to claim CPD points and to motivate corporate Skills Development Levy (SDL) Refund Claims.

PROGRAMME

± 2 hours (including discussion) with one mid-point break

1. **Cracks in Road Pavements:** The reasons they form & consequences of neglect.
 2. **Cracks in Road Pavements:** The futility of 'conventional' repair techniques
 3. **Nonwoven Paving Fabrics:** How they are installed & how they work.
 4. **Glass Paving Grids:** Their nature, where used and how installed.
 5. **Composite Glass/Fabric Paving Grids:** Their function in pavements.
 6. **Case Histories, Problems & Recommendations:** Useful information.
 7. **Discussion**
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The lecture(s) can be presented at your premises or Kaytech's in Johannesburg (Isandovale), Cape Town (Stikland), East London, Port Elizabeth, & Durban (Pinetown).

Course Presenter

Peter Davies

MIGS · MGIGSA · SFIWMSA · MSANCOLD · MIAIAAsa

Peter works for the Kaymac Group (founded 1945) and is based at Kaytech's head office in Pinetown, Kwazulu-Natal, in South Africa. Here, he serves as Senior Consultant: Geosynthetic Applications. He has been involved in geotechnical engineering and geosynthetics for over 50 years.



- In 2014 he was appointed honorary *Technical Advisor* to the South African Institute of Waste Management (IWMSA).
- He is a Senior Fellow of, and has served two-year terms each, as National Secretary, Vice President and President of the South African Institute of Waste Management (IWMSA). Here, he has represented the Institute on a number of waste-related initiatives, including the steering committee for all editions of the *Minimum Requirements for Waste Management Facilities* document. He has served on the Project Steering Committee and the Specialist Working Group engaged in landfill design requirements, in particular in updating the section on Geosynthetic Clay Liners. He is a committee member of the IWMSA KZ-N Branch Landfill Interest Group (LIG) and has served as its Vice Chairman and Chairman.
- He is an honorary life member, and has been the Vice-President and newsletter editor of GIGSA, the Geosynthetics Interest Group of South Africa, which is affiliated to the South African Institution of Civil Engineers and is the local chapter of the International Geosynthetics Society (IGS). He was the Technical Chair of the IGS/GIGSA GeoAfrica 2009 conference held in Cape Town over 2 – 5 September 2009. This was the first IGS Regional conference to be held in Africa.

Peter has authored, and co-authored, numerous peer-reviewed technical papers on a wide range of geosynthetics topics, presented at a number of South African and international conferences.



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