

Location and Access

Belgian Research Road Centre
Fokkersdreef 21 | B-1933 Sterrebeek

Situated only 6 km. from Brussels airport (Zaventem).

Hotels

A limited number of rooms are blocked at Hotel Rastelli in Tervuren which is situated 2 km. from the seminar location.

Book before **August 9** at 115 € for a single room or 127 € for a double room – both include breakfast.

Reserve your room at <http://hotelrastelli.be> and mention the **DFI Seminar** room block.



Accompanying Program

There is no formal program for accompanying persons, but nearby is the internationally known, newly restored Royal Museum for Central Africa and the National Golf Brussels. Furthermore, Brussels, Antwerp, and Bruges are more than worth a visit.

For more information or to register, visit:
www.dfi.org/EuropeTesting19



September 12, 2019 | Brussels, Belgium

Existing and Innovative Methods in Pile Integrity Testing Quality Assurance of Foundation Piles

Thursday, 12 September 2019

**Belgian Research Road Centre
Sterrebeek, Belgium**

*Organized by DFI Europe
in collaboration with the
DFI Testing and Evaluation Committee*

About the Seminar

Quality control and quality assurance processes for foundation elements have become more and more sophisticated over the past decades. Pile load tests that provide information about the geotechnical resistance of foundation piles can be supplemented with non-destructive integrity tests to provide information on pile material quality (presence of defects such as cracks, necking, bulging, etc.) and the pile installation depth. The cost of such testing programs is much lower than the potential loss caused by an undetected defect. Different types of integrity tests have been developed to evaluate the quality of pile elements in a reliable way. DFI Europe is collaborating with DFI's Testing and Evaluation Committee to organize this seminar about conventional and innovative pile integrity testing methods, with a focus on the possibilities and the limitations of the different methods and how to use the results. Particular attention will be given to the testing of existing foundations for reuse. This seminar is a good opportunity to exchange ideas with other scientists, engineers, manufacturers, users and clients.



Program*

- 9:30 - 9:45** **Welcome**
Frank Haehnig, President, DFI Europe
Gerald Verbeek, Chair, DFI Testing and Evaluation Committee
- 9:45 - 10:15** **What do we expect from integrity testing and how to use the results?**
Rolf Katzenbach, Technical University of Darmstadt
- 10:15 - 10:40** **Conventional Methods: Techniques and Applications**
Teemu Riihimäki, Junttan Oy
- 10:40 - 11:15** **Coffee break**
- 11:15 - 11:40** **Pile Inspect**
Ernst Niederleithinger, Bundesanstalt für Materialforschung und -prüfung (BAM)
- 11:40 - 12:05** **Analysis of Low Strain Impact Testing**
Marcel Bielefeld, Allnamics
- 12:05 - 12:30** **Thermal and Sonar Methods**
Oswald Klingmüller, GSP mbH
- 12:30 - 13:30** **Lunch**
- 13:30 - 13:55** **Retesting of Existing Pile Foundations: Requirements for a Successful Investigation**
Tony Butcher, retired from BRE
- 13:55 - 14:20** **Testing the Inclination of Deep Foundations**
Joram Amir, Piletest
- 14:20 - 15:00** **Panel Discussion**
Moderator: Alain Holeyman, UCL
- 15:00 - 15:30** **Conclusions: Horses for Courses**
Gerald Verbeek, Chair, DFI Testing and Evaluation Committee
- 15:30 - 16:30** **Networking Reception**

**Program subject to change*

Questions for the Speakers

We invite you to send your questions ahead of time to office@dfi-europe.org, so they can be forwarded to the speakers and panelists.

Registration

Registration fees:

- DFI members: 190 €, VAT excl.
- Non-members: 300 €, VAT excl. (includes DFI individual membership through 31 December 2020)
- Students: 25 € (provide student ID; includes DFI student membership), VAT excl.
- Sponsors: 500 €, VAT excl.
- Sponsor + exhibition: 1500 € (includes 2 registrations), VAT excl.

If there are four registrations from one company, the fourth registration is free.

Register at www.dfi.org/EuropeTesting19.

Sponsoring and Exhibition

If you are interested in sponsoring the seminar or having a stand in the exhibition space, please contact Monika De Vos, secretary of DFI Europe at office@dfi-europe.org.

