The **NDTE-CES workshop** aims to provide cutting-edge knowledge of the latest development of instrumentation, principles, automation, signal processing, problem-solving techniques and case studies across multiple NDTE-CES’s disciplines. This workshop will be held in Federal Institute of Materials Research and Testing (BAM) in Berlin, Germany. It provides a friendly and relaxed environment allowing participants to gain an understanding of NDTE-CES in Germany and Europe, and how this experience can be applied worldwide.

**Date:** 13, 14, 17-20 June 2013  
**Venue:** Unter den Eichen 87, 12205 Berlin, Germany.  
**Cost:** 1600 Euro per head, including lunch for all six days.  
**Class Size:** around 20  
**Registration:** Complete and return the Proforma Reply form on or before 30 April 2013. Payment will be arranged directly to BAM upon confirmation of registration.

**Suggested Participants:**  
- International as well as local engineers and surveyors who have interest in NDTE-CES.

**Organizer:**  
Division 8.2, Non-destructive Damage Assessment and Environmental Measurement Methods, Federal Institute of Materials Research and Testing (BAM), Berlin, Germany

**Co-organizers:**  
Department of Land Surveying and Geo-informatics, The Hong Kong Polytechnic University  
IVE Engineering, Hong Kong Institute of Vocational Education, Hong Kong
About BAM

Federal Institute of Materials Research and Testing (BAM), Berlin, Germany has over 1700 permanent and temporary staff, apprentices and trainees. It has 10 departments and 34 divisions dedicating to research about materials (www.bam.de). Division 8.2 ‘Non-destructive Damage Assessment and Environmental Measurement Methods’ is one of the 34 divisions in BAM. For over 20 years, Division 8.2 has been conducting research from upstream sensor and algorithm development to downstream applied research that solves varieties of NDTE-related civil engineering and surveying problems.

Workshop Contents

- Ground and Surface Penetrating Radar (Principle, Application and Hands-on Measurement)
- Active and Passive Infrared Thermography (Principle, Application and Hands-on Measurement)
- Dry-contact and Air-coupled Ultrasonics and Seismic (Principle, Application and Hands-on Measurement)
- Laser-induced Spectroscopy for Dense Chloride Profiling in Concrete
- Positioning and Automation of NDE Methods by Total Station and GPS
- Moisture and Corrosion Measurement by Electrochemical Method.
- Pile and Soil Testing by Geophysical Methods
- Data Fusion from Different NDE Techniques, Why and How?
- Case Studies of Infrastructures in Europe (Underground Utilities, Seawall, Highway, Tunnel) and building structures
- Experience of Validation and Accreditation of NDTE-CES in Germany
- Visit to BAM Test Site in a forest and Technical University, Berlin (TU Berlin)
- Review of Collected Data and Discussion of case study
PROFORMA REPLY
Nondestructive Testing and Evaluation – Civil Engineering and Surveying
(NDTE-CES) Workshop in BAM, Berlin

Please complete and fax, mail or e-mail this form to:

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Email: kennethpak@vtc.edu.hk   Tel: 3757-9193

*Each Participant should complete ONE proforma reply form. Please make a copy for your own records.

PARTICIPANT INFORMATION

Family name ___________________________ First name ___________________________

Title ___________________________ Position ___________________________

Company/ Organisation ___________________________ Department ___________________________

Address


Phone ___________________________ Fax ___________________________

E-mail ___________________________

And please fill in your THREE most interested instrumentations and topics in the NDTE-CES workshop.

INSTRUMENTS AND TOPICS

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