

Registration

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Invitation

28 February 2012
Business Faculty - Brussels

CE-ABLE Seminar

Challenge to prove
CE-compliance
for latest technologies



Programme 28 february 2012

CE-ABLE SEMINAR

28 February 2012 - Business Faculty Brussels

Who should attend?

EMC R&D Engineers, EMC Test Operators, Q&A Managers as well as Electric Engineers.

More Information

For more information and registration on this seminar check our website <http://www.ce-able.eu>
You can also fax back the registration form on the last page of this invitation to +32 (0)2 720 20 60

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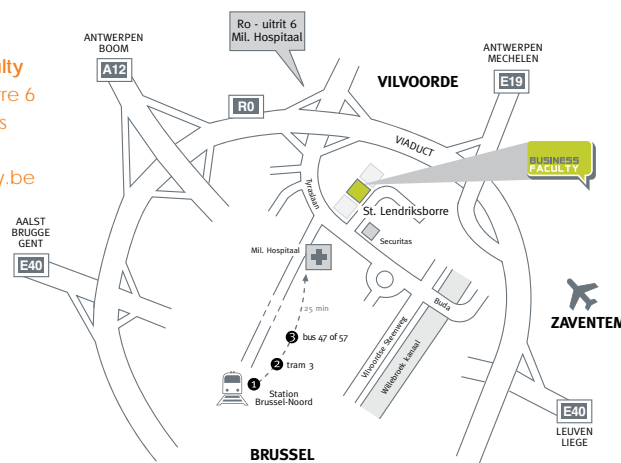
Registration required



During the seminar, we will put a **voucher worth €1.200,00** up for raffle. You can spend this voucher at one of the accredited laboratories (testing, advise, training, ...).



Business Faculty
St-Lendriksborre 6
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Belgium
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CE-ABLE is a sectorcommittee in Electro-Technics (Electrical Safety, EMC, Radio and Telecommunications) recognised by BELAC. CE-ABLE shares expertise between accredited laboratories and provides a forum for accreditation, conformity testing, certification and validation

9u00

Welcome and registration

9u30

Introduction Ce-Able

Prof. dr. ir. Ing. Jan Desmet, Chairman CE-ABLE - Full Professor Howest - Manager Lemco

9u45

My product proved to be technically compliant - what now?

My products have been tested in an accredited test lab and now I am sure that they are technically compliant with the essential requirements imposed by the EU. What now? What are my obligations and responsibilities before I can sell my product? What do I have to do more? The New Legislative Framework (NLF) will have an impact on this and will harmonize requirements across Directives (LVD, EMC, ATEX, ..., (R&TTE))
How to avoid problems with market surveillance authorities?

Eric Colpaert, 1st Engineer-advisor - responsible Market Surveillance, BIPT

10u15

Low Voltage Directive

Its about your safety and that is something you cannot read in this header... Did you think about electric shock? That is only one of the many safety aspects hidden behind this Directive. New approaches for conformity assessment are available and will be highlighted. Be ready for a sustainable future.

Kris de Potter, Product Line Manager - Medical and Electronic Equipment, SGS

10u45

Contact opportunities - Coffee break

11u15

How to implement modern equipment in old installations ?

In industrial installations, star earthing was a proven system since multiple decades. It was fairly effective in the analogue low frequency world using centralized acquisition systems. Electricians think that there is no voltage over a conductor if there is no current running through... We will prove the other side. Electricians are saying that current is following the path of the lowest resistance... Be aware that electric current is not always thinking like you. Modern data equipment, decentralized acquisition and field buses are not adapted to a star structure. The introduction of power electronics with short switching rise times revealed problematic interferences, if connected to star bonding networks. How could we improve star earthing networks without turning the world upside down? Can we live further on with conventional star earthing networks? Yes we can, but life will be hard.

Paul Lots, EMC expert, Laborelec

11u40

High frequency problems in drives: solutions with conflicting interests

High switching frequencies in combination with a high dv/dt make PWM-inverters the primary source of high frequency related problems. Known problems are overvoltages on the motor, bearing currents and EMI. Nevertheless, these problems are fundamentally different, as overvoltage is a differential mode problem and bearing currents and EMI are mainly common mode problems. Differential mode problems need other solutions than common mode problems. Besides this, solving bearing currents can increase EMI-problems and vice versa. Both problems and solutions will be discussed.

dr. ing. Jos Knockaert, Assistent Professor Howest - Responsible EMC Lab

12u05

Harmonic Emissions

This presentation deals with harmonic emissions, in particular according to the EN 61000-3-2 european standard. We will focus on the measurement method, the quality of the power supply, the limit in function of the type of device under test, and some questions and examples for specific devices as LED luminaires.

Véronique Beauvois, Ir., Maitre de conférences, Ulg et responsable des laboratoires CEM et LEP

12u30

Contact opportunities -Walking Dinner

13u45

Luminaires anno 2012: how to test RFI Emissions (EMI) on such devices?

This presentation deals with EMI testing on luminaires & lighting equipment. Nowadays more and more energy saving lamps as well as LED luminaires are being installed, including highly sophisticated electronics around. These luminaires do not at all correspond to the famous Edison bulb any more. Therefore there is a demand for a more adequate EMC approach, ensuring proper operation of the EUT in the field without interference.

The presentation first starts with an overview of the current standard CISPR15 (EN55015), as well as the latest and upcoming amendments. Typical test setups and test methods will be discussed, as well as some possible solutions on the way to compliance.

Jos Westhof-Jacobs, Account & Project Manager Systems & Projects, EMC & Tempest, Rohde & Schwarz

14u10

Multimedia equipments, testing from 2012 onward ?

Did you declare your products to be in compliance with the EMC requirements for information technology equipment (EN 55022 & EN 55024) or sound and TV broadcast equipment (EN 55013 & EN 55020)? Things are about to change drastically! Secure the future compliance of your present designs.

Koen Schepers, EMC Compliance Engineer, Philips

Dora Deboeure, Manager Product Validation, MSc. ElectroMagnetic Compatibility & Radio Spectrum Management, Barco

15u00

Contact opportunities -Coffee break

15u30

Power Line Communication

EMC for Power Line Communication is a hot topic nowadays. Laboratoria De Nayer has elaborated some 50 TCF's (Technical Construction Files) the last years for PLC-systems (as an alternative for WIFI internet access) as Notified Body EMC. The following items will be presented : (1) PLC, a communication platform for Smart grid (meter) applications, (2) EMC legislation for PLC, (3) International committees for PLC, (4) Basic principles for PLT (power line transmissions EN50065-1), (5) Comparison of PLC G3 and PRIME according to IEEE 1901.2, (6) IEC 61000-4-16 immunity testing, (7) Basic EMC standards for emission and immunity for PLC Internet-applications and solutions in case of failure, (8) Testing according to CISPR I/xyz/CDV Opt A - Dortmund University.

Prof. Dr. ir. Dirk Van Troyen, C.E.O. Laboratoria Denayer

15u55

Position of the Industry concerning consumers and normalisation

Bral Daniel, CSR Manager Mavedra - Buying Office for Colruyt & Dreamland

16u20

Reception & Possibility of Questions