



Electricity and Safety in the 21st Century

New Technologies, Applications and Standards

International Symposium Aug. 28th/29th 2014, Frankfurt

Agenda

10:00 Introduction

Jens Jühling, BG ETEM German Social Accident Insurance Institution for the energy, textile, electrical and media products sectors, Cologne, Germany

10:10 No safety without standardization

Bernhard Thies, DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE, Frankfurt, Germany

10:30 New developments in electrosensitive protection equipment

Thomas Bömer, Institute for Occupational Safety and Health (IFA), German Social Accident Insurance (DGUV), Sankt Augustin, Germany

(1) ELECTRIC SHOCK

Friedrich Harleß, Siemens AG, Nürnberg, Germany

10:50 Fault protection and break-time

Reinhard Hirtler, Stiftung Elektroschutz, Vienna, Austria

11:10 Effects of direct current for human beings

Christian Rückerl, FTZ Leipzig e.V., Leipzig, Germany

Coffee break

12:00 Safety aspects in conjunction with new developments in installations

Etienne Tison, Schneider Electric, Grenoble, France

(2) ARC FAULT

Dominique Vacher, EDF France, Paris, France

12:20 Protection against the hazards due to AC and DC fault arcs

Holger Schau, Technical University Ilmenau, Germany

12:40 Analysis of DC fault arcs: first results

Roman Ranzinger, Jörg Schmidt, Audi AG, Ingolstadt, Germany; Holger Schau, Technical University Ilmenau, Germany

Lunch break

14:10 Arc flash standards testing update: Practical lessons and the future

Hugh Hoagland, ArWear, Luisville, U.S.A.

(3) NEW TECHNOLOGIES 1

14:30 Smart grid and safety aspects

Jamie McWilliam, Energy Networks Association, London, Great Britain

14:50 Strategy & practice of smart grid in China

Jiang Shen, State Grid Corporation of China, Beijing, China

Coffee break



(4) NEW TECHNOLOGIES 2

Jamie McWilliam, Energy Networks Association,
London, Great Britain

15:40 Safety requirements and standardization for batteries and new battery technologies

Friedrich Kramm, Exide GmbH, Büdingen,
Germany

16:00 Safety test for batteries and fuel cells

Christoph Borlinghaus, VDE Testing and
Certification Institute, Offenbach, Germany

16:20 Ideas and experiences of smart grids supporting smart cities

Hongyu Lin, State Grid Corporation of China,
Beijing, China

16:40 Final discussion, Closing

Jens Jühling, BG ETEM German Social Accident
Insurance Institution for the energy, textile,
electrical and media products sectors, Cologne,
Germany

17:00 End of symposium

Technical visit, 29th Aug. 2014

09:00 Meeting in front of Kap Europa (9:15 departure of the bus)

09:45 Visiting the VDE battery and environment testing center
Goethering 43, 63067 Offenbach

11:45 Lunch

13:00 Arriving at Kap Europa

Alternative program for participants without the ticket for the technical visit

Frankfurt city bus + walking tour, 29th Aug. 2014

08:45 Meeting in front of Kap Europa (9:00 departure of the bus)

13:00 Arriving at Kap Europa

www.vde.com/electricity-safety-2014

This symposium is organized by

