IEEE Joint IAS/PELS/IES German Chapter

Rik De Doncker (IEEE Fellow)
Chapter Founding Chairman
R.-W. Technische Hochschule Aachen
Inst. for Power Electronics and Electrical Drives

Andreas Lindemann (SM)
Chapter Chairman 2005-2006
O.-v.-Guericke-Universität Magdeburg
Chair for Power Electronics

Contents:
- background
- key activity: meetings
  hosts, contents ⇒ visitor benefits
- experience and challenges
Background

history:
• 1997: foundation of IAS German Chapter
• 1999: Joint IAS/PELS German Chapter
• 2001: Joint IAS/PELS/IES German Chapter

chairmen:
• 1997-2000: Univ.-Prof. Dr.ir. Rik W. De Doncker, RWTH Aachen
• 2001-2002: Univ.-Prof. Dr.-Ing. Dr.-Ing. h.c. Dierk Schröder, TU München
• 2003-2004: Dr.-Ing. Péter Magyar, D-Tech GmbH/Hella KG aA
• 2005-2006: Univ.-Prof. Dr.-Ing. Andreas Lindemann, Univ. Magdeburg
⇒ regularly involving new volunteers to take duties in chapter board and activities

membership records:
• 317 members (all grades)
• 357 guests (German + international; invited to chapter activities)
⇒ continuous growth of membership
Key activity: meetings

hosts since 1998:

- 13 companies
e. g. ABB, Alstom, Bosch, EBM, Infineon, Klöckner-Moeller, Lenze, Philips, Rexroth-Indramat, SEW-Eurodrive, Siemens
- 12 universities
e. g. Aachen, TU Berlin, Bochum, Braunschweig, Dresden, Erlangen, HAW Hamburg, Ilmenau, Karlsruhe, EPFL Lausanne, TU München, Wuppertal

⇒

- typ. 3 meetings per year
- involving leading industry and academia
- building regional network
e. g.
  - joint meeting with Benelux Chapter
  - joint meeting with Swiss Section
  - European Chapter Support for Eastern Europe
Key activity: meetings

Contents:
• technical program
  • in depth lectures focusing on R&D
  • factory/lab tour
• forum
  • IEEE business - e.g. PESC 2004
  • national/international education – e.g. "Bologna"
• social program
  • reception
  • sight seeing

Visitor benefits:
• learn - widen horizon through interdisciplinary academic-industrial program
• fruitful exchange - networking opportunities

at low effort: 1-1,5 days off, moderate registration fee
Experience and challenges

success:
• typically 50-100 participants per meeting plus growth of membership
• positive public reception – cf. press review
• various cooperations and networks within and beyond IEEE

challenges:
• move on
  • access industrial hosts willing to invite 100 visitors including competition ...
  • develop high level meeting programs for local member benefit
• resources
  • involve volunteers to personally commit - supporting chapter activities, e. g.
    • meetings
    • PR: press releases, website http://www.ewh.ieee.org/r8/germany/ias-pels/
    • administration – secretary, treasurer, ...
• finances
  sponsoring of meetings by companies advantageous