

EPE 2005
DRESDEN



Welcome to Germany!
Bienvenue en Allemagne!



Saxony



Welcome to Dresden!
Bienvenue en Dresde!
September 13 - 15, 2005



Conference Data and Schedule

MON, 12.09.2005

- Registration and **Tutorials**

TUE, 13.09.2005

- Registration, opening session
lecture & dialog sessions, workshops
welcome party

WED, 14.09.2005

- Keynote, lecture & dialog session, workshops,
Concert (Ladies Church) and
Gala Dinner (Hotel Hilton nearby)

THU, 15.09.2005

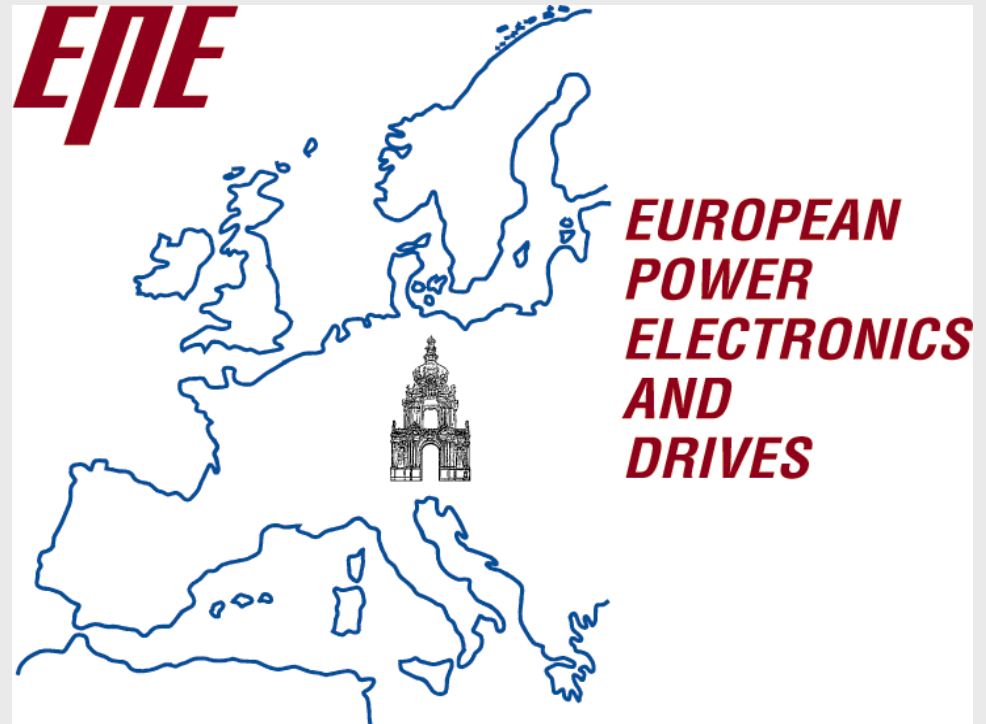
- Closing session, Keynote, lecture & dialog
sessions, round table discussion

FRI, 16.09.2005

- Postconference technical visits
(Infineon Dresden, Wacker Silicon Freiberg,
VW manufacture Dresden,
100 years Goergesbau (El. Power Eng. Lab.)

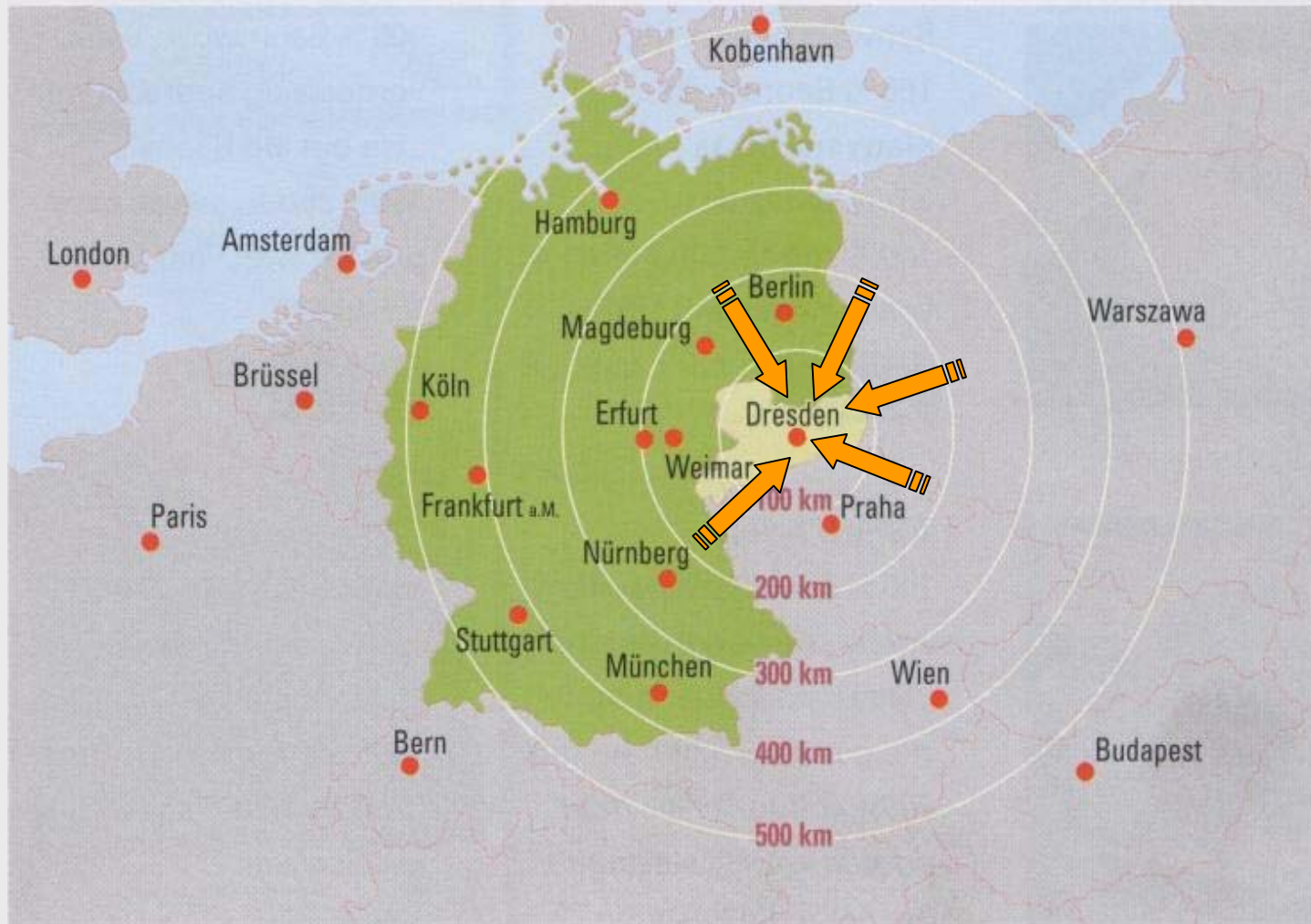
The history of the EPE

Brussels, B, 1985
Grenoble, F, 1987
Aachen, FRG, 1989
Florence, I, 1991
Brighton, GB, 1993
Sevilla, E, 1995
Trondheim, N, 1997
Lausanne, CH, 1999
Graz, A, 2001
Toulouse, F, 2003
Dresden, D, 2005



Let us introduce
the destination for 2005 ...

**Starting with 2004: Dresden
– again in the middle of the new Europe**



Dresden - your flight destination?!



Direct flights to Dresden Airport from **European airports**:

Budapest, Vienna, Zurich

Direct flights to Dresden Airport from **German airports** with connection flights from all over the world:

Hamburg, Cologne-Bonn, Duesseldorf, Leipzig-Halle, Frankfurt/M., Stuttgart, Nuremberg, Augsburg, Munich

- **Dresden Airport**
a new airport
with the highest standard



Dresden - your railway destination?!

- **ICE connection** from
Frankfurt und Nuremberg
- **IC and EC connection** from
Budapest - Prague,
Krakow, Warszawa, Wroclaw
Vienna - Prague
Kopenhagen - Berlin
Paris - Frankfurt/M.
Zurich - Frankfurt/M.
Brussels - Cologne - Leipzig



- Two main **railway stations!**
 - Main Station
(Dresden-Hauptbahnhof (Hbf.))
 - New Town station
(Dresden-Neustadt)

Dresden - your car destination?!

○ Autobahn connection

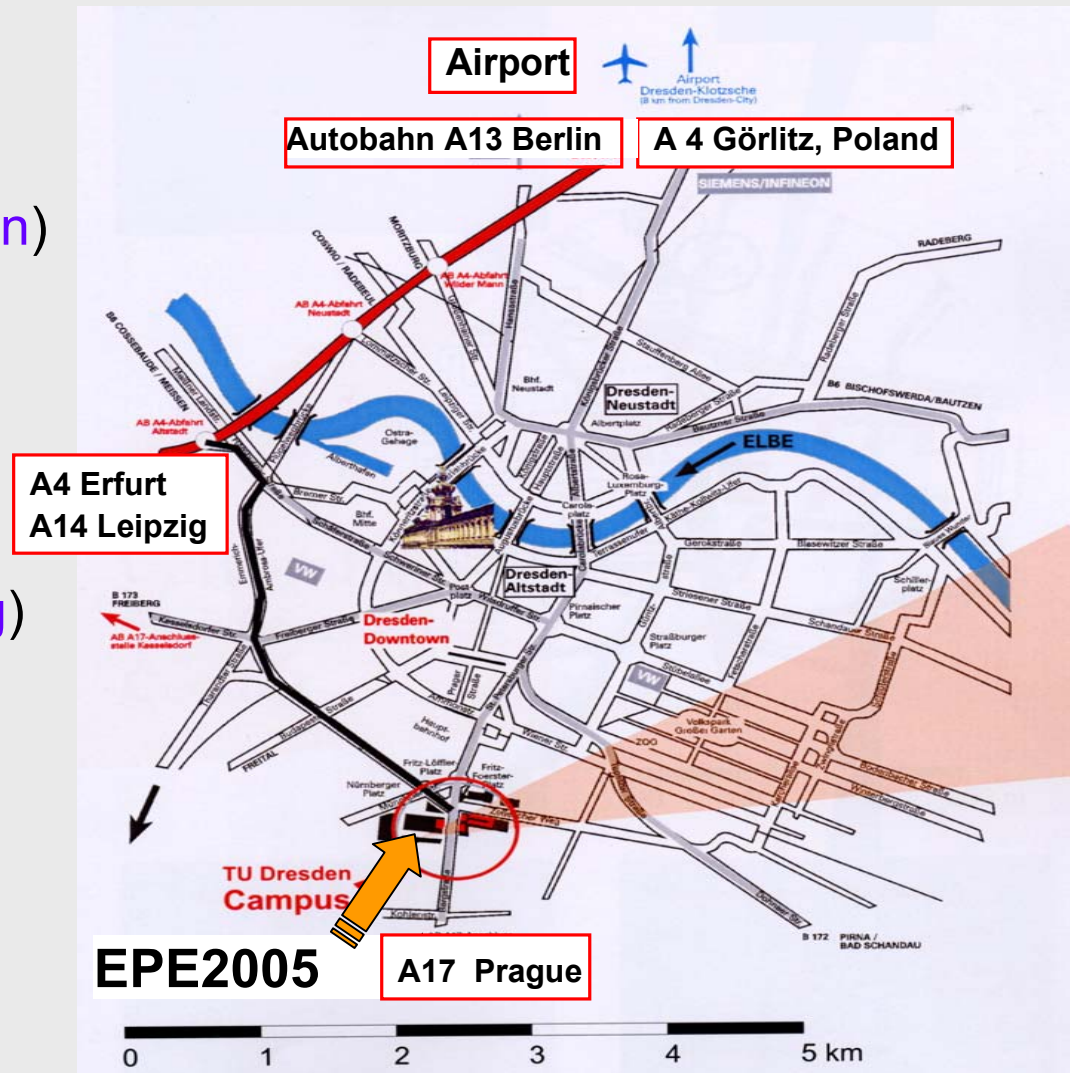
A13 from the North (Berlin)

A 4 from the Southwest
(Munich, Stuttgart,
Chemnitz)

A 14/A4 from the West
(Magdeburg, Leipzig)

A 4 from the East
(Poland, Görlitz)

A17 from the Southeast
(Czech Republic)



**DRESDEN – the 800 years old baroque town
– the „Florence at the Elbe river“**

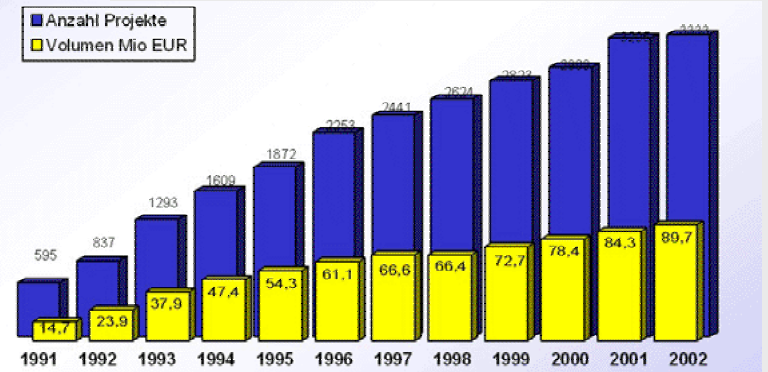




EE-Department buildings on campus



Foto: Eckold, UJ

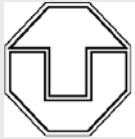


Third party research funds of TU Dresden
(1991: 14.7 Mill. EUR - 2002: 89.7 Mill. EUR)



ETI 2005
DRESDEN

Dresden - a City of Science and Technology



TECHNISCHE
UNIVERSITÄT
DRESDEN

**Dresden University
of Technology**

14 Departments
30.000 students

Department of Electrical Engineering and
Information Technology: 12 Laboratories, 1400 students



Barkhausenbau (Deans office and laboratories)



Görgesbau (Electrical Power Laboratory - ETI)

EPJE 2005 DRESDEN Dresden - a City of Science and Technology



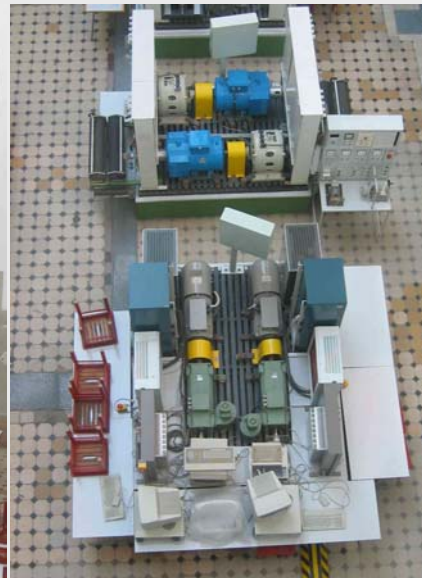
Electrical Power Engineering Laboratory (Elektrotechnisches Institut)

Chairs: Power Electronics - Prof. Güldner

Electric Drives - Prof. Büchner



Görgesbau - Main Lab Hall



Universal lab stand
electric drives

Lab work at the stand
power converter interferences



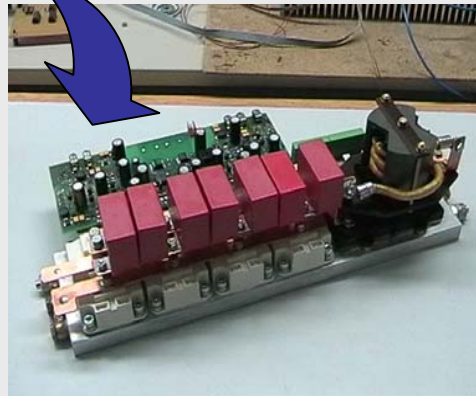


Electrical Power Engineering Laboratory (Elektrotechnisches Institut)

Chairs: **Power Electronics** - Prof. Güldner
Electric Drives - Prof. Büchner

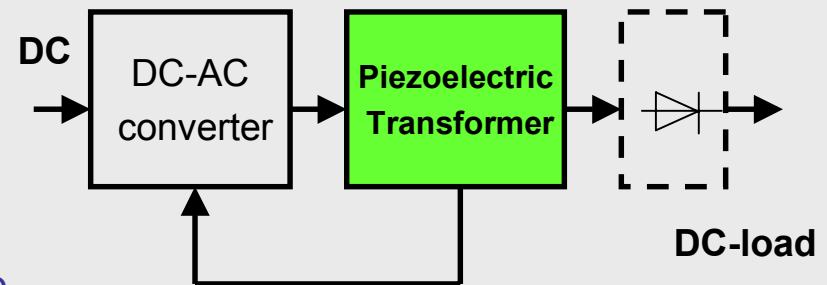
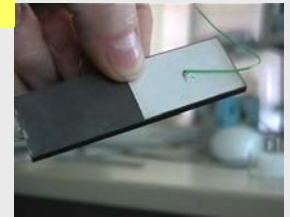
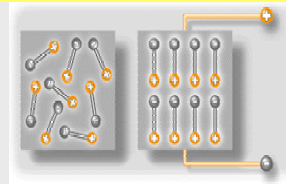


„ALL IN ONE“ DC-DC Converter



Voltage Regulator Module (VRM)

PT for Power Electronics



EPIC 2005 Dresden - a City of Science and Technology DRESDEN

Institutes:



Fraunhofer Institute for Electron Beam and Plasma Technology Dresden (**FEP**)

Research fields:

surface engineering, coatings, process management and quality control,
electron-beam technology, plasma technology.

EPE 2005 Dresden - a City of Science and Technology DRESDEN

Industry: Microelectronic Companies („Silicon Saxony“)
AMD, Infineon, ZMD, ...: total 500 comp. with 20.000 jobs



AMD Dresden (Fab 30)



Infineon Dresden

EPF 2005 Dresden - a City of Science and Technology DRESDEN

Industry: Application of Power Electronics

Volkswagen - luxury cars;

Sachsenwerk: wind generators, ship propulsion drives

Setec, Baumüller: electric drives, inverter systems



VW car manufacture Dresden

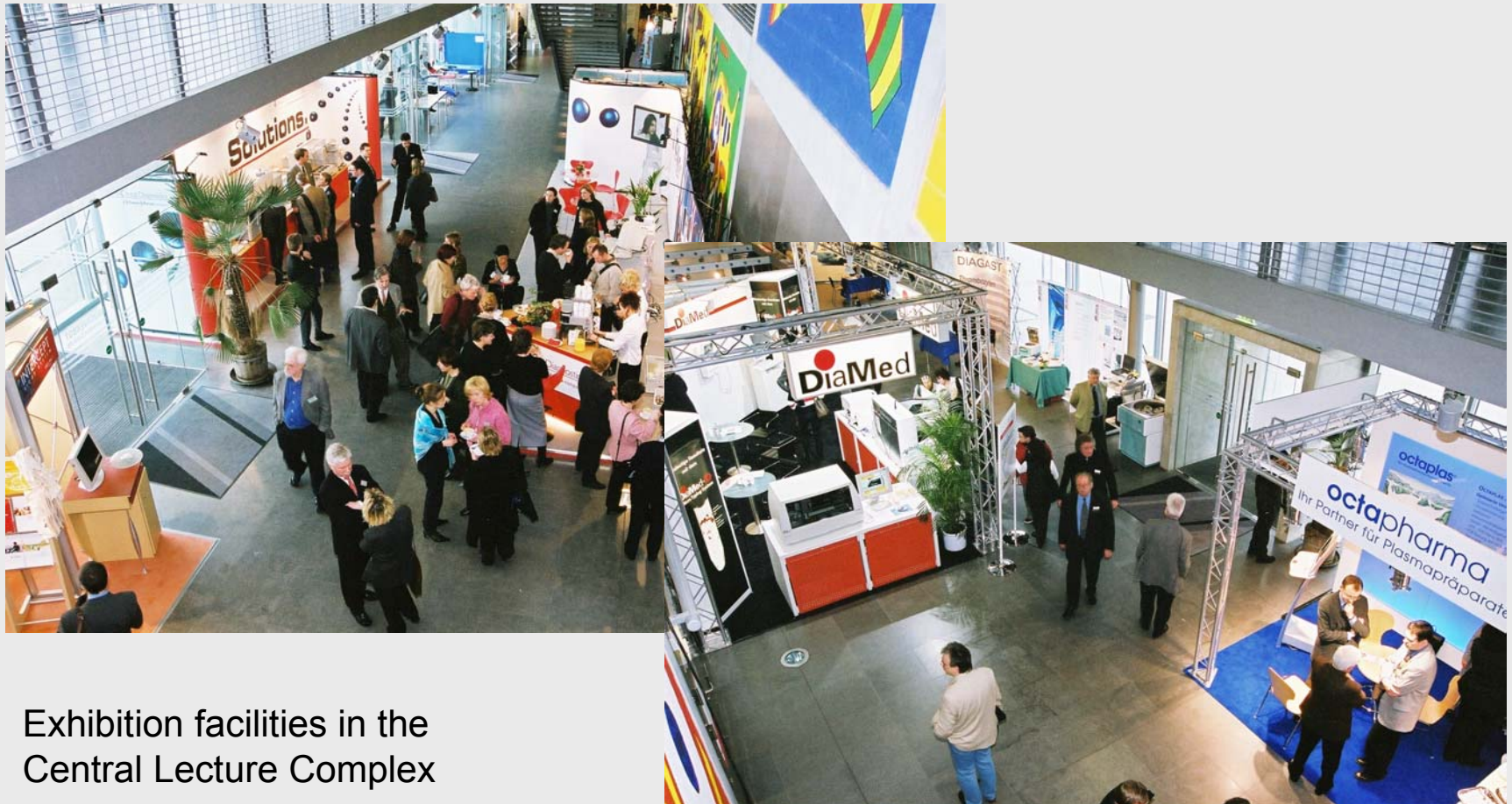


Assembling of Phaeton cars

The Central Lecture Hall Complex (Hörsaalzentrum (HSZ))



Lecture Hall and seminar room



Exhibition facilities in the
Central Lecture Complex

Hotel Accomodation
more than 12.000 bedrooms in all categories



Kempinski Hotel Taschenbergpalais



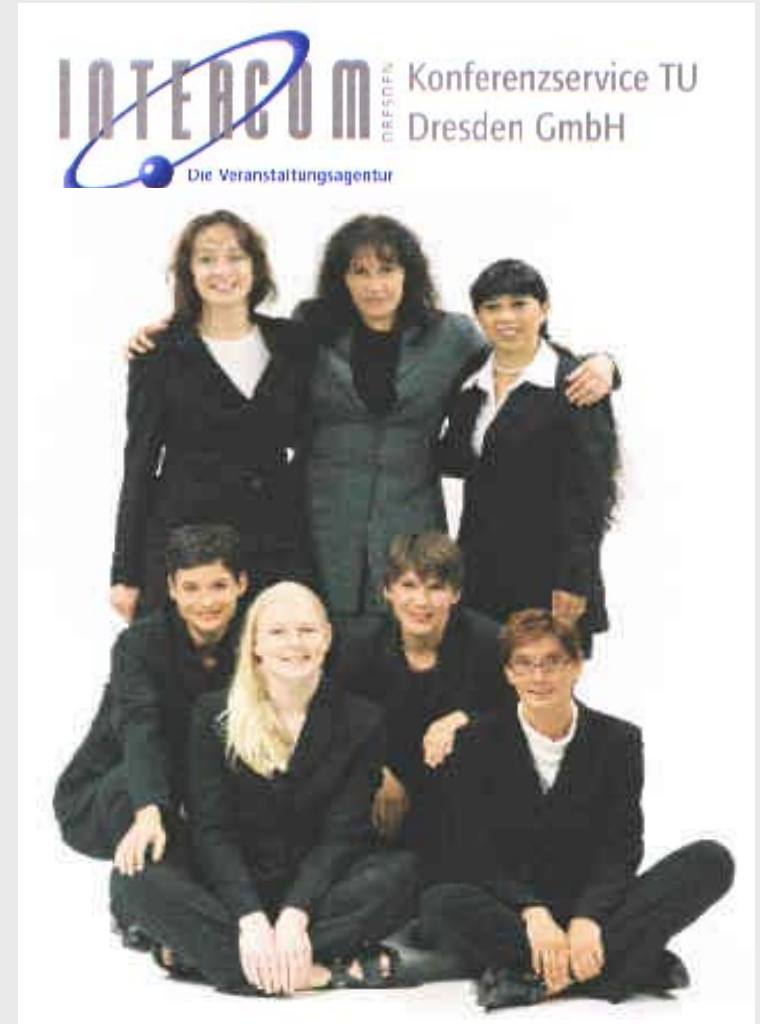
The Dresden Hilton



The Westin
Bellevue

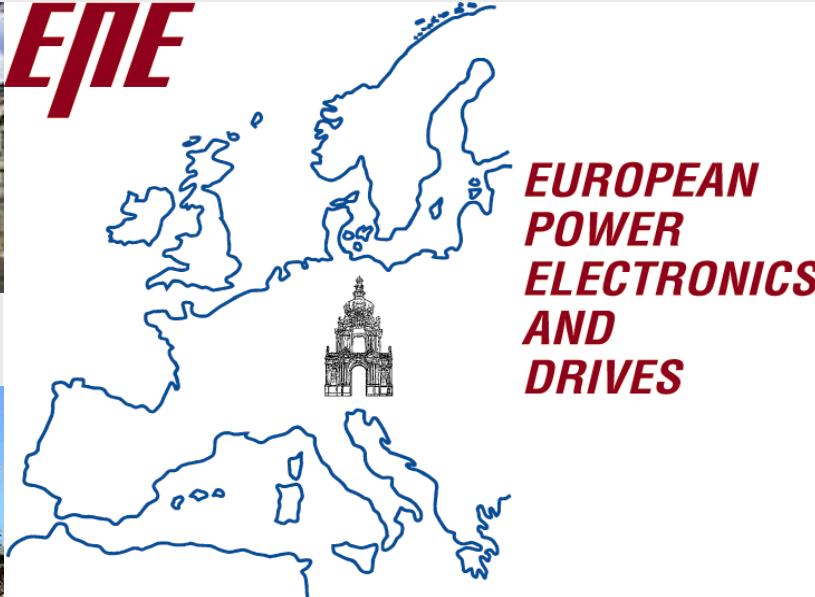


Ibis Hotels



EPJE 2005
DRESDEN

**We are prepared to host the
delegates of ...**



„Auf Wiedersehen“ in Dresden: 13. -15. September 2005

„See you“ in Dresden: September 13 - 15, 2005

„A bientôt“ à Dresde du septembre 13 - 15, 2005

For more information see: http://www.eti.et.tu-dresden.de/ae/ae_e.htm