





**Else Heraeus  
(1903 - 1987)**

**Dr. Wilhelm Heinrich Heraeus  
(1900 - 1985)**

- established 1963 / private foundation

- founders

**Dr. Wilhelm Heinrich Heraeus (1900 - 1985)**

physicist, R&D manager, director

member of Board of Directors

grandson of founder of W.C. Heraeus GmbH, Hanau

**Else Heraeus (1903 - 1987)**

- **Intended Purpose**

Support of research and education in science  
with emphasis on physics

- **Cooperation**

Deutsche Physikalische Gesellschaft



## Organization

### **Board of Directors**

Prof. Dr. Dieter Röß (Chair)  
Wilhelm E. Heraeus  
Prof. Dr. Joachim Treusch

### **Scientific Advisory Board**

Professors  
Göbel, Hasinger, Heckl, Kramer,  
Mlynek, Schwille, Stachel, Umbach

### **Office**

Dr. Ernst Dreisigacker  
Jutta Lang  
Heike Uebel

# Scientific Communication

## WE-Heraeus-Seminars

since 1975: >425 seminars, >25.000 participants

**subjects: cutting-edge research in physics and neighboring disciplines, emerging fields**

quality: high international standard

target groups: researchers and students

feature: ample time for discussion

preferred venue (80%): Physikzentrum Bad Honnef





# Scientific Communication

## Physics Schools

on topical fields not yet covered in textbooks

target groups: diploma students, PhD students & postdocs  
since 1989 / >210 schools / > 11.000 participants

**thereof:**

**54 national schools in East Germany  
(„Ferienkurse in den neuen Bundesländern“)**

# Scientific Communication

## Travel grants for young researchers

for attending DPG spring meetings

- target groups: diploma students, PhD students
- scientific contribution required
- jointly with DPG, membership required
- since 1989 >17.000 grants awarded
- this year: >1.741 grants!

**First-time 2008: 100 WE-Heraeus-Fellows at  
Physics Nobel Laureate Meeting in Lindau 2008**

## **Education / Public**

since 1999 / jointly with DPG / > 400 projects

### **Financial support**

**.... for schools**

**for exemplary projects  
designed to improve science lessons**

**.... for physics faculties**

**for activities addressing A-level students,  
pupils and public**

## **Education / Public**

**Financial support**

**for eminent educational projects**

**(examples) →**

**Example:  
Observatory on top of the roof of  
Fuhlrott-Gymnasium Wuppertal**



**Example: Donation to XLAB / Göttingen:  
Diffusion cloud chamber  
(after inauguration ceremony – Jan 2008)**



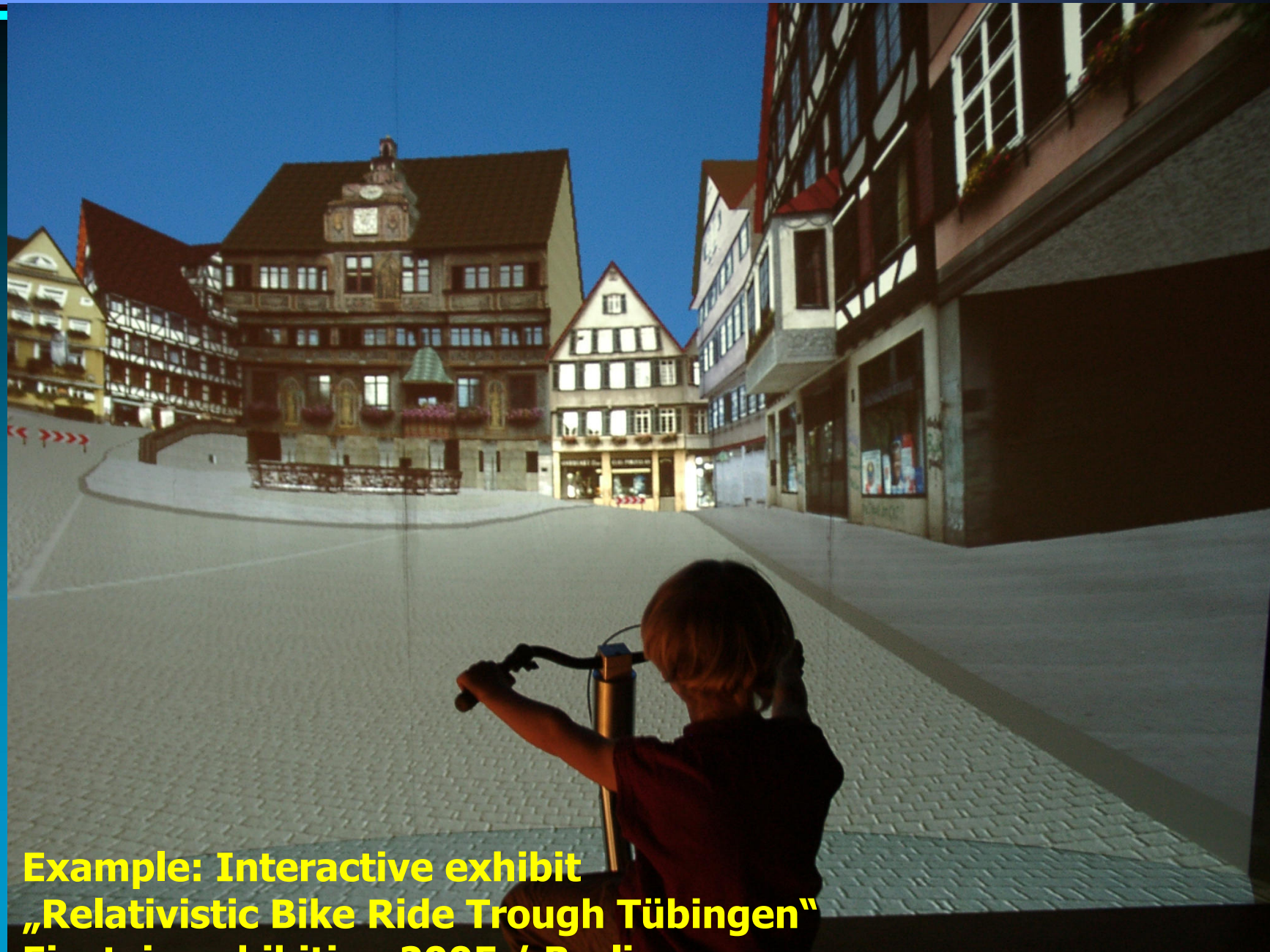


## „Einsteinmobil I + II“

**Example:**

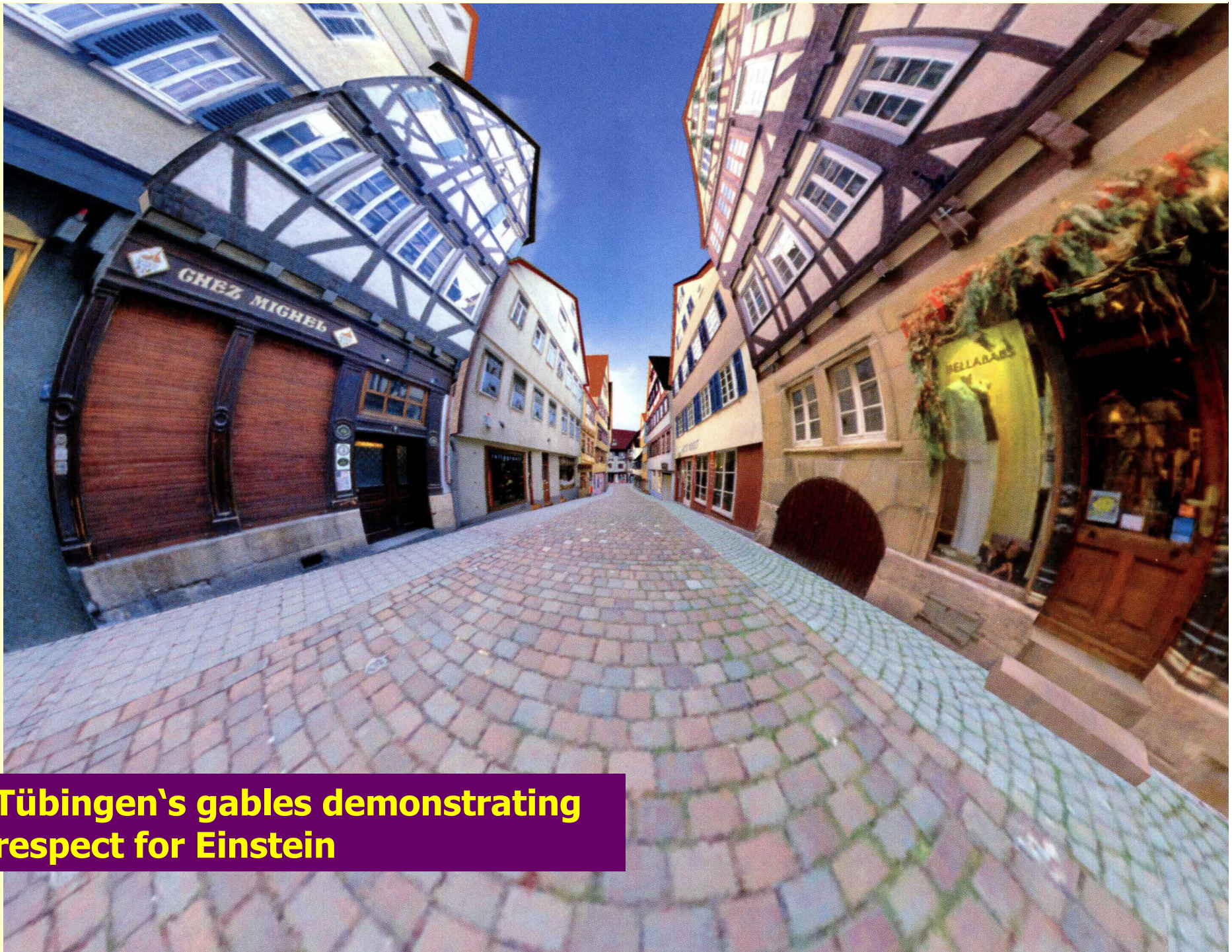
**Technical equipment for illustrating effects of Special Relativity**

**To be placed at schools at the disposal of teachers (on demand)**



**Example: Interactive exhibit  
„Relativistic Bike Ride Trough Tübingen“  
Einstein exhibition 2005 / Berlin**





**Tübingen's gables demonstrating respect for Einstein**



**Example:  
Interactive exhibit  
„Simulating Black Holes“**

**Einstein exhibition  
2005 / Berlin  
now permanent: Bad Honnef**



## Example:



# exciting physics 2008

## Schülerwettbewerb

im Rahmen der "Highlights der Physik 2008" vom 16.09. - 18.09.2008  
in Halle (Saale), Marktplatz

unterstützt durch

- Home
- **Worum geht es?**
- Wer kann mitmachen?
- Aufgaben
- Anmeldung
- Finale
- Preise
- Fragen
- Aktuelles
- Downloads
- Impressum



Achtung: Anmeldeschluss ist der **01. September 2008**

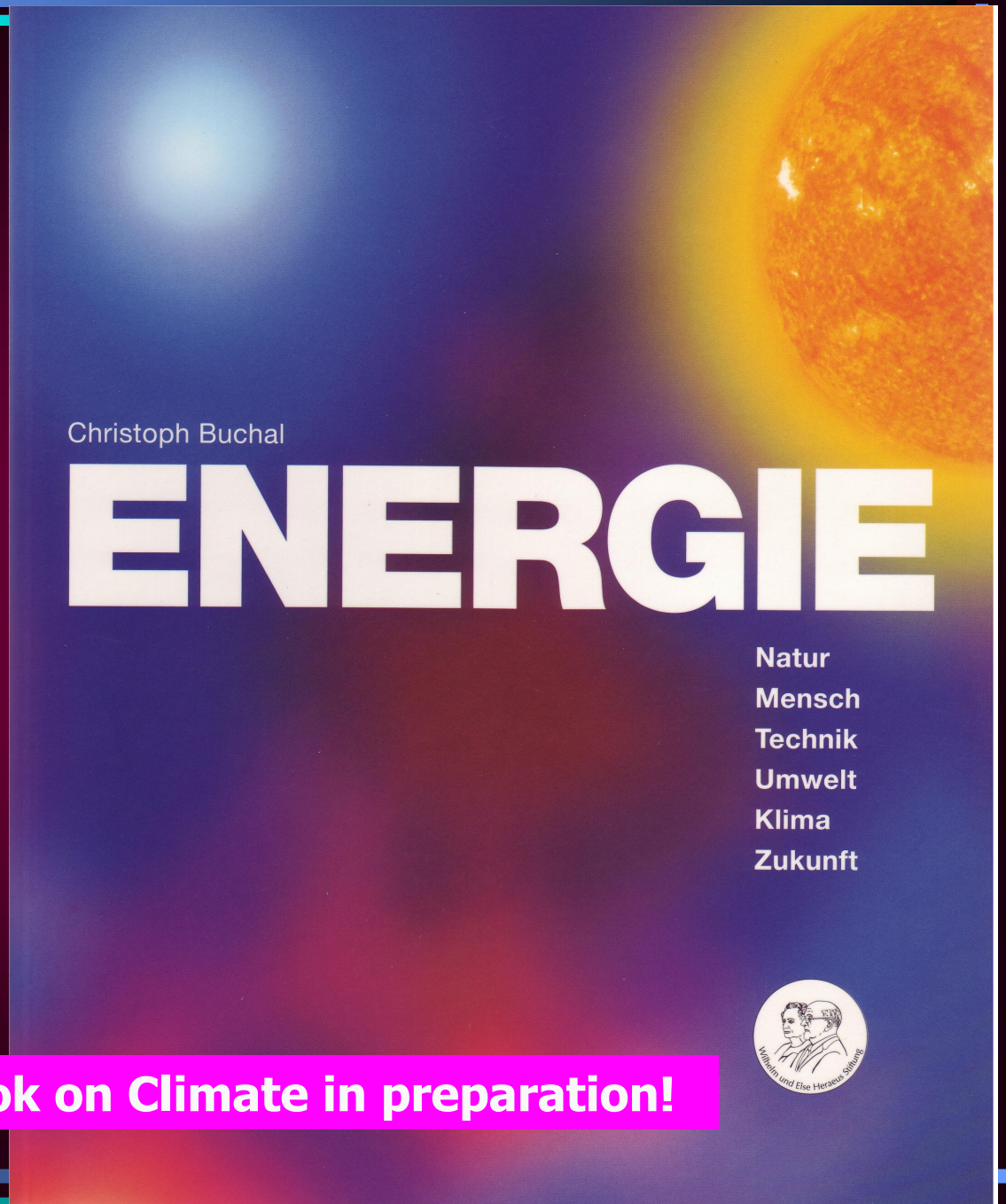
Anmeldung am besten noch vor den Sommerferien

## Example:

### Popular textbook on energy for students

- published Dec 2007
- distribution: 1 gratis copy to 16.000 schools
- 2<sup>nd</sup> ed. March 2008
- sold so far: >45.000 (à 3 €)

Similar book on Climate in preparation!



## **Education / Public**

**Support for physics teachers' education**

**Big program launched jointly by WE-Heraeus-Foundation and Deutsche Physikalische Gesellschaft**

**to offer continuing education in physics for teachers  
– on broad scale in Germany, centrally and regionally**

# WE-Heraeus- Seniorprofessorships for the development of teacher's education



## Physics Study Award

- since 2004
- „Top 10 diploma students“  
of last year in Berlin and Potsdam
- 1.500 Euro & Honorary Diploma

### **Precursor:**

Award for speedy and successful studies

1993 - 2003 Hessen & Berlin, 450 & 120 prizewinners

## Awards



**Physic Study Award: Foto shooting after ceremonious presentation  
( Magnus Haus / Berlin opposite Pergamon Museum)**



## Special Projects

### **1996/99: donations to faculty libraries**

purpose: update & upgrade textbook sector  
42 physics faculties / in total: 1,2 Mio Euro

## Special Projects

**2002/03:**

construction of Lecture Hall

**„Wilhelm und Else Heraeus-Hörsaal“**

public - private - partnership

Wilhelm and Else Heraeus Foundation

Government of Nordrhein-Westfalen

Deutsche Physikalische Gesellschaft

Volkswagen-Stiftung, University Bonn





**...welcome back to our seminar**

**More information?**

**Flyer and...**

**[www.we-heraeus-stiftung.de](http://www.we-heraeus-stiftung.de)**