

***From Classical Physical Chemistry to Accelerator-Based Light Sources***  
***International Symposium in honor of***  
**Prof. David A. Shirley**

**July 4, 2014**

Fachbereich Physik, Freie Universität Berlin  
Arnimallee 14, Berlin-Dahlem, Germany

**PROGRAM**

13:15 **Welcome Addresses**

**Prof. Brigitta Schütt**, Vice-President VP4, Freie Universität Berlin

**Prof. Robert Bittl**, Chairman of the Fachbereich Physik, Freie Universität Berlin

**Session I** Chair: **Prof. Alexander Bradshaw**, M.P.I. für Plasmaphysik, Garching, and  
Fritz-Haber-Institut der M.P.G., Berlin

13:30 **Prof. William D. Brewer**, Freie Universität Berlin:

*Scientific Beginnings: From Low-Temperature Physics and Chemistry to Hyperfine Interactions*

13:50 **Dr. Heinz Haas**, CERN, Geneva, Switzerland:

*Quadrupole Interaction: From Theoretical Chemistry to Nuclear Physics – and Back*

14:10 **Prof. Charles S. Fadley**, University of California at Davis, CA, USA:

*XPS – from the Field-Free Laboratory to Free Electron Lasers*

14:30 **Coffee break**

**Session II** Chair: **Prof. Maria-Novella Piancastelli**, Uppsala Universitet, Sweden

15:00 **Prof. Sefik Suzer**, Bilkent University, Ankara, Turkey:

*XPS for Chemical and Charge-Sensitive Analyses*

15:20 **Dr. Zahid Hussain**, Lawrence Berkeley National Laboratory, Berkeley, CA, USA:

*Opportunities for Energy Science with soft X-Rays from the Advanced Light Source*

14:40 **Prof. Serguei Molodtsov/Dr. Robert Carley**, European XFEL, Hamburg:

*New Dimensions for Time- and Angle-Resolved XPS at the European XFEL*

16:00 **Prof. Joachim Stöhr**, Stanford University and LCLS/SNAL, CA, USA:

*Laudatio*

Closing of the Symposium at ca. 16:30 h

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Following the Symposium, participants will have ca. 2 hours for the transfer to the **Magnus-Haus Berlin**, where Prof. David A. Shirley will present a Scientific Evening Talk at 18:30 h. This will be followed by a reception for the participants, with food and drinks. See separate invitation, with directions to the *Magnus-Haus* in Berlin-Mitte.