35. Symposium für Theoretische Chemie
12. - 16. September 1999 in D-09596 Freiberg (Sachsen)

Scientific Organizers: Dr. M. Dolg (MPI-PKS Dresden),
Prof. Dr. J. Fabian (TU Dresden), Prof. Dr. H. Hartmann (TU Bergakademie Freiberg)

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First Circular

Dear Colleagues,

you are cordially invited to participate in the *35th Symposium for Theoretical Chemistry* which will take place September 12-16, 1999, at the TU Bergakademie Freiberg. The participants are expected to arrive on Sunday evening, September 12, and the meeting will end on Thursday, September 16, after lunch.

The main topic of the 1999 symposium will be *Relativistic and Electron Correlation Effects in Heavy Element Chemistry*. The invited lectures will review the recent methodological developments in this field and present examples for state-of-the-art applications. A list of confirmed invited speakers and their tentative titles is given at the end of this circular.

As in previous years, there will also be contributed lectures and poster sessions. If the number of contributed lectures exceeds the time available, a selection will be made among the proposals submitted, and the remaining contributions will be assigned to the poster sessions.

The small city of Freiberg is located at the south-eastern border of Germany respectively the state of Saxony. It is approximately in the middle of a straight line between Dresden and Chemnitz, the distance to either of these cities is 35 kilometers. Freiberg can be reached conveniently in less than one hour by train or by car from Dresden and Chemnitz.

The lectures will take place at the Bergakademie Freiberg. The participants will be accomodated in nearby hotels and guesthouses. Housing will be organized by the Tourist Office of the city of Freiberg. The forms for room reservations will be send with the second circular. Rates per day for rooms in category A (*** or **** hotel) are 90 - 130 DM (single) and 140 - 180 DM (double); in category B (guesthouses) 60 - 80 DM (single) and 80 - 110 DM (double); in category C (private accomodation) 30 - 45 DM (single) and 50 - 70 DM (double).

As usual there will be a half-day long excursion. We plan to visit the city of Meißen.

As for the previous symposia in Walberberg and Gwatt, the registration fee will be 40.- DM for students and 80.- DM for all other participants.

More detailed information on the 35th Symposium for Theoretical Chemistry can be found on the internet under http://www.mpipks-dresden.mpg.de/~stc99.

We would appreciate receiving your preregistration on the forms enclosed as soon as possible, at the latest on March 31, 1999. It is recommended to preregister electronically using the forms provided on the web. The second circular will be sent only to those who have preregistered. Please also update your physical address, e-mail address, etc. if necessary.

We are looking forward to seeing you in Freiberg !

Yours sincerely,

Michael Dolg	Jürgen Fabian	H. Hartmann
(M. Dolg)	(J. Fabian)	(H. Hartmann)

Invited Speakers and Tentative Titles:

E. J. Baerends, Amsterdam	*The Zero-order Regular Relativistic Approach for Bonding in Heavy-element Compounds*
K. G. Dyall, Moffett Field	*Relativistic All-Electron Approximate Methods for Molecules*
B. A. Heß, Erlangen	*Relativistic Electronic Structure Calculations for Molecules*
U. Kaldor, Tel Aviv	*High-Accuracy Calculations for Heavy and Super-Heavy Elements*
W. Kutzelnigg, Bochum	*Electron Correlation at the Dawn of the 21st Century*
H. Schwarz, Berlin	*Bond Activation by 'Naked' Transition-Metal Cations: Experiment and Theory in Concert*
W. H. E. Schwarz, Siegen	*Theoretical and Interpretative Paradoxa of Different Relativistic Approximations*
P. Schwerdtfeger, Auckland	*The Chemistry of Superheavy Elements*
L. Visscher, Amsterdam	*Relativistic Calculation of Magnetic Properties of Molecules*
P. Pyykkö, Helsinki	*Closed-shell Interactions in Heavy-Element Compounds*
N. Rösch, München	*The Douglas-Kroll-Hess Approach to the Dirac-Kohn-Sham Problem. Methodological Aspects and Applications*
C. Teichteil, Toulouse	*Efficient Methods for Relativistic Molecular Calculations*