

The International Year of the Periodic Table



G-RISC
German-Russian
Interdisciplinary
Science Center



Microsymposium

Technetium:

Chemistry and applications of the first artificial element

January/22 and January/23, Freie Universität Berlin

Fabeckstr. 34/36, Room 601

Program:

Tuesday, January/22

9:00

Ulrich Abram, FU Berlin

Welcome and opening remarks

9:15

Alexander Miroslavov, St. Petersburg State University

Technetium pentacarbonyl halides: ambient pressure synthesis, chemical properties and possible medical application

9:45 Coffee break

10:45

Arush Agrawal, FU Berlin

The discovery of technetium

11:15

Roger Alberto, University of Zurich

Technetium arenes and their potential use in imaging procedures

14:00

Jens Peter Fürste, FU Berlin

The "Science Campus Dahlem", a historical tour

16:00

Alexander Miroslavov, St. Petersburg State University

Hydrolysis of the technetium hexacarbonyl cation in aqueous solutions

17:00

Federico Salsi, FU Berlin

Isonitrile complexes of technetium

17:20

Clemens Scholtysik, FU Berlin

Phenylimido complexes of technetium and rhenium

18:00 Group discussions

Wednesday, January/23

9:00

Alexander Miroslavov, St. Petersburg State University

Reactivity of higher technetium carbonyls in CO replacement: A quantum chemical analysis

10:00

Domenik Nowak, FU Berlin

Technetium(III) complexes

10:20 Coffee break

10:40

Carlos Rojas Dotti, University of Valencia

Technetium(IV) complexes

11:00

Ricardo Gonzalez, Universidad de la República de Uruguay, Montevideo

Magnetic properties of Re(IV) and Tc(IV) compounds

12:00

Anna Grunwald, FU Berlin

Nitrido complexes of technetium

12:20

Guilhem Claude, FU Berlin

Technetium complexes with bulky isocyanides and phosphinines

12:40

Abdullah Abdulkader, FU Berlin

[Tc(NO)(cp)(PPh₃)Cl] and its reactions

13:00

Ulrich Abram, FU Berlin

Concluding remarks