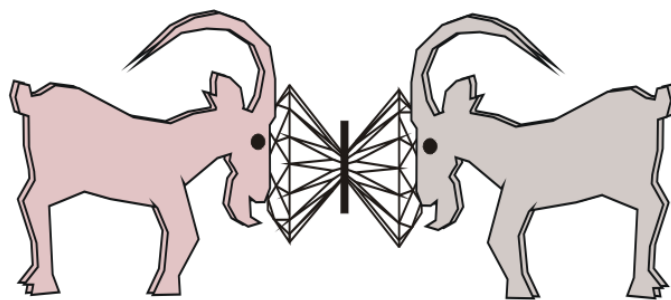


**3rd Frolic Goats Workshop
on High-Pressure Diffraction
25-27 April, 2010
Faculty of Chemistry
Adam Mickiewicz University, Poznań**



HIGH-PRESSURE DIFFRACTION IN POZNAŃ

Local Organizing Committee

Andrzej Katrusiak (chairman), Małgorzata Ratajczak-Sitarz, Armand Budzianowski, Maciej Bujak, Marcin Podsiadło, Anna Olejniczak, Hanna Piotrowicz

The Frolic Goats Workshop on High-Pressure Single-Crystal X-Ray Diffraction using laboratory equipment will consist of a series of general lectures and hands-on laboratory exercises. Its primary goal is to disseminate practical skills allowing one to perform high-pressure experiments in an x-ray lab, and to outline possibilities to continue one's studies at dedicated high-pressure beamlines in synchrotrons, nuclear reactors, and spallation sources.

Modern x-ray diffraction equipment installed in most laboratories can be used for high-pressure experiments straightforwardly, or after few minor modifications – these modifications can be as simple as mounting a shorter collimator and re-positioning the beam-stop to provide space for the diamond-anvil cell (DAC). The DAC is a simple and relatively cheap device, so crystal structures in high pressure can be studied in most x-ray labs.

Registration

Because of the available laboratory space and equipment, the number of participants will have to be limited. The application should be e-mailed to hannap@amu.edu.pl. The candidates will be accepted on the basis of geographical distribution and dates of application. The registration costs will be covered by Organizers and provision will be made for convenient accommodation.

Venue

The workshop will be held at the Faculty of Chemistry, Collegium Chemicum, Adam Mickiewicz University, ul. Grunwaldzka 6, 60-780 Poznań.

The historical building of Collegium Chemicum (PEWUKA, Governmental Palace) is located close to the accommodation, Main Railway Station (1.0 km) and to the Old Market (medieval center of the city, 2.0 km).

Accommodation

Accommodation of various standards is conveniently located close to the Collegium Chemicum:

- Sheraton Hotel ul. Bukowska 3/9 (200 m from Collegium Chemicum) *ca.* 170 Euro/600 złotych ([online reservation](#))
- Jowita ul. Zwierzyniecka 7 (200 m from Collegium Chemicum)
 - bed & breakfast *ca.* 17 Euro/60 złotych
 - apartment *ca.* 33 Euro/120 złotych
- Frolic Goats Hostel ul. Wroclawska 16/6 – bed & breakfast; *ca.* 50 Euro/200 złotych ([online reservations](#))

Organizers can assist in booking rooms in Jowita, whereas Sheraton Hotel and Frolic Goats Hostel booking and payments should be arranged by participants themselves.

Travel

Poznań can be easily reached through its [airport](#), [railways](#), and [roads](#). Consult your travel agent or contact us for advice.

Weather

In Poznań we enjoy moderate climate, usually warm and sunny in early Spring, although a jacket and umbrella can prove useful.

Programme of the 3rd Frolic Goats Workshop on High-Pressure Diffraction

Venue: Faculty of Chemistry, Adam Mickiewicz University (AMU) Poznań

25.IV.2010

Arrivals

26.IV.2010

- 8:30 Registration (Collegium Chemicum, first floor, room 24)
9:00 Opening Ceremony
9:10 A. Katrusiak (AMU Poznań) High-pressure crystal chemistry
10:00 M. Bujak (Univ. Opole) Conformational transformations in chloroethanes
11:00 Coffee break
11:30 K. Merz (Ruhr Univ. Bochum) Small changes on the substitution pattern of arenes and pyridine-N-oxides: Their influence on molecular aggregation
12:10 M. Podsiadło (AMU Poznań) Molecular association in pyridazine, pyridine and benzene
12:50 J. Bąkiewicz (Tech. Univ. Wrocław) Photochemical reactions in crystals studied by means of the Boehler-Almax DAC
13:10 Lunch break
14:30 Laboratory exercises in groups

Lab 1: DAC preparation, loading, pressure calibration

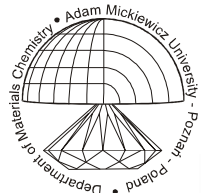
Lab 2: X-Ray diffraction experiments with a DAC

27.IV.2010

- 9:00 M. Szafranski (AMU Poznań) Pressure effects in dabco relaxors
10:00 M. Andrzejewski (AMU Poznań) DabcoHI and dabcoHBr cocrystals
11:00 Coffee break
11:30 K. Dziubek (AMU Poznań) High-pressure structures of tetrahydrofuran and pyrrolidine
12:20 D. Jęczmiński (UAM Poznań) High-pressure diffraction ether polymorph
12:30 M. Daszkiewicz (Pol. Acad. Sci. Wrocław) Influence of high pressure on the crystal structure of $\text{La}_3\text{Ag}_{0.82}\text{SnS}_7$
12:40 M. Jarek (AMU Poznań) PT phase diagrams of guanidinium aleoxysulfonates
13:00 Concluding remarks
14:00 Closing ceremony
Departures.



The frolic goats (Bartłomiej of Gubin, 1551) at high noon on the Poznań Town Hall.



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Faculty of Chemistry, Adam Mickiewicz University



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