

5th Workshop on Structural Analysis of Aperiodic Crystals

1 – 4 March 2007

Laboratory of Crystallography of the University of Bayreuth

Organized by the German Crystallographic Association (DGK)

Contact: Sander van Smaalen

E-mail: smash@uni-bayreuth.de

Address: Universitätsstrasse 30, 95440 Bayreuth, Germany

Phone: +49-921-55-3886 Secretary: +49-921-55-3881 Fax: +49-921-55-3770

Internet: http://www.crystal.uni-bayreuth.de/inc_workshop2007/

Lectures and registration are on the 3rd floor (2. OG.) of the BGI building on the campus of the University of Bayreuth.

Tentative program as of 5 February 2007

Thursday, 1 March 2007

Time		
15:00 – 18:00	<i>Registration</i>	
16:00 – 16:15	Opening	S. van Smaalen
16:15 – 17:00	Introduction to aperiodic crystals	S. van Smaalen
17:15 – 18:00	Superspace description of modulated structures	L. Palatinus
18:00 – 19:00	<i>Get together party in the BGI Building</i>	

Friday, 2 March 2007

Time		
9:00 – 10:00	Superspace symmetry	A. Schönleber
10:00 – 10:30	<i>Break</i>	
10:30 – 11:30	Diffraction by modulated structures	J. M. Pérez-Mato
11:30 – 12:30	Fourier methods in superspace	M. Dusek
12:30 – 14:00	<i>Lunch in the Mensa</i>	
14:00 – 15:00	Introduction to JANA2000	V. Petricek
15:00 – 15:30	<i>Break</i>	
15:30 – 18:00	Computer course	*

*V. Petricek, M. Dusek, A. Schönleber, L. Palatinus and S. van Smaalen.

Saturday, 3 March 2007

Time		
9:00 – 9:45	Charge–Flipping and superspace	L. Palatinus
9:45 – 10:30	Compounds with approximate subperiodicities as modulated structures	J. M. Pérez–Mato
10:30 – 11:00	<i>Break</i>	
11:00 – 11:45	Maximum–Entropy Method and superspace	S. van Smaalen
11:45 – 12:30	Modulated molecular materials	A. Schönleber
12:30 – 14:00	<i>Lunch in the BGI building</i>	
14:00 – 15:00	Discussion of the problems in the script of the computer course	*
15:00 – 15:30	<i>Break</i>	
14:00 – 18:00	Computer course	*
19:00	Conference Dinner <to be announced> (you pay for yourself)	

*V. Petricek, M. Dusek, A. Schönleber, L. Palatinus and S. van Smaalen.

Sunday, 4 March 2007

Time		
9:00 – 9:30	The problem of overlapping reflections in data collection and refinement	V. Petricek
9:30 – 10:00	to be announced	
10:00 – 10:15	Closing remarks	S. van Smaalen
10:15 – 10:30	<i>Break</i>	
10:30 – 11:15	Discussion of the problems in the script of the computer course	*
10:30 – 13:30	Computer course	*
13:30	End of the Workshop	

*V. Petricek, M. Dusek, A. Schönleber, L. Palatinus and S. van Smaalen.