

# 5<sup>th</sup> 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)

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Internet: [http://www.crystal.uni-bayreuth.de/inc\\_workshop2007/](http://www.crystal.uni-bayreuth.de/inc_workshop2007/)

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

**Tentative program as of 21 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
17:00 – 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	Introduction to JANA2000	V. Petricek
12:30 – 14:00	<i>Lunch in the Mensa</i>	
14:00 – 15:00	Fourier methods in superspace	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	Maximum Entropy Method and superspace	S. van Smaalen
9:45 – 10:30	Charge-Flipping and superspace	L. Palatinus
10:30 – 11:00	<i>Break</i>	
11:00 – 11:45	Compounds with approximate subperiodicities as modulated structures	J. M. Pérez-Mato
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 at Herpichs Brasserie, Schulstrasse 23, Bayreuth, Phone: 0921-22100 (you pay for yourself)	

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

Sunday, 4 March 2007

Time		
9:00 – 10:00	The problem of overlapping reflections in data collection and refinement	M. Dusek
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	

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