

Preliminary Announcement



'Under the Bonnet'

Powder Diffraction Software Workshop

8:50am to 6:00pm, Friday, 1st September 2006

Uni Mail, University of Geneva, Geneva, Switzerland

(just prior, and in the same venue, as the EPDIC 10 European powder diffraction conference)

<http://www.pa.msu.edu/cmp/billinge-group/Geneva2006/>



Use Software for Powder diffraction? Want to know which program to use for a particular application? Want to hear from the developers what great engine they have got hiding under that pretty GUI? Get direct feedback to your questions from the Developers themselves. Contribute to the discussion of code extensions and the next generation.

School Organisers

Simon Billinge (Michigan State University, USA)

Lachlan Cranswick (NRC Chalk River, Canada)

Workshop Aims

To have powder diffraction software developers present the advanced features in their indexing, solution and refinement programs. To help participants answer the following questions about the programs: what does it do? why/when should I use it? how/where can I use/get it? what is under the bonnet?

Confirmed Presenters

As of early December 2005, the following speakers have been confirmed:

- Michael Aivazis (USA)
- Joerg Bergmann (Germany)
- Johannes Birkenstock (Germany)
- Bill David (UK)
- Vincent Favre-Nicolin (France)
- Carmelo Giacobozzo (Italy)
- Vladimir Kogan (Netherlands)
- Luca Lutterotti (Italy)
- Vaclav Petricek (Czech Republic)
- Thomas Proffen (USA)
- Juan Rodriguez-Carvajal (France)
- Leonid Solovyov (Russia)
- Matt Tucker (UK)
- Robert von Dreele (USA)

Tentative Program Includes:

BGMN: unter der Motorhaube

BRASS: unter der Motorhaube

DANSE: under the hood

DASH: under the bonnet

Derivative Difference Minimization: под капотом

EXPO: sotto il cappuccio

Fox: sous le capot

Fullprof and CrysFML: debajo de la cap

GSAS: Under the hood

Jana: pod kapotou

MAUD: sotto il cappuccio

Model-free Aberration Correction: Under the bonnet

PDFFIT and Discus: unter der Motorhaube

PSSP: under the hood

RMCProfile: under the bonnet

TOPAS: under the bonnet

XND: sous le capot

Roundtable Discussion chaired by Robert McGreevy (ISIS, UK) on: "Where does algorithm development have to go for indexing, solution and refinement in powder diffraction"

Registration

Registration for the workshop is done via the EPDIC meeting registration form. Information about the EPDIC conference is on the web at:

<http://www.sgk-sscr.ch/EPDIC10/EPDIC10.html>

EPDIC 10

European Powder Diffraction Conference
Geneva, September 1 - 4, 2006