

Schweizerische Gesellschaft für Kristallographie  
Société Suisse de Cristallographie  
Società Svizzera di Cristallografia  
Swiss Society for Crystallography

Sektion für Kristallwachstum und Kristalltechnologie  
Section de Croissance et Technologie des Cristaux

sc | nat 

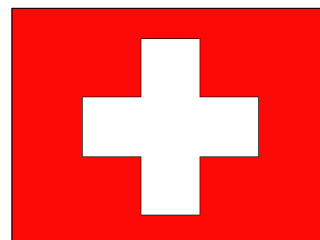
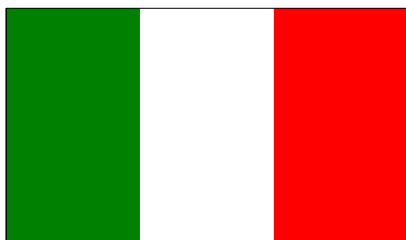
Member of  
the Swiss Academy of Sciences

## SGK/SSCr NEWSLETTER

ISSN 1662-5358 (printed edition)

ISSN 1662-534X (electronic edition)

**No. 88**  
May 2013



### In this issue:

Announcement of the MISSCA-2013 Conference on Como, Italy, Sept. 9-12, 2013,  
and of the SGK – SSCr General Assembly, Como, Sept. 11, 2013

**On the Cover:**

A picture of the city of Como, Italy.  
Como will host the 2013 Meeting of the Italian, Spanish and Swiss  
Crystallographic Societies on 9-13. Sept. 2013

## **SGK/SSCr Newsletter No. 88**

<b>The President's Page.....</b>	<b>5</b>
<b>News for and from members.....</b>	<b>6</b>
<b>We welcome the following new members of the SGK/SSCr .....</b>	<b>7</b>
<b>Travel grants for young SGK/SSCr members .....</b>	<b>7</b>
<b>ILL Colloquium in honour of Alan Hewat: ,A Life of Refinement – 50 years of Neutron Scattering', .....</b>	<b>8</b>
<b>School announcement: 12<sup>th</sup> PSI Summer School 2013. ....</b>	<b>10</b>
<b>Conference advertisement: ECM 28 .....</b>	<b>11</b>
<b>Conference announcement: MISSCA 2013, Como, Italy.....</b>	<b>12</b>
<b>Gérald Bernardinelli - alias Kiki - (1945 - 2012).....</b>	<b>14</b>
<b>Announcement of the General Assembly of the SGK / SSCr. ....</b>	<b>16</b>
<b>Calls for proposals .....</b>	<b>17</b>
<b>Calendar of forthcoming meetings .....</b>	<b>18</b>
<b>Become a member of SGK/SSCr .....</b>	<b>20</b>
<b>Institutional members and supporting institutions.....</b>	<b>21</b>



## The President's Page

### Dear Members of the Swiss Society for Crystallography,

The importance of crystallography has often been questioned over the past years; but studying the publications in journals not directly focused on crystallography, one immediately realizes that spatial symmetry is a central problem addressed by many physicists, chemists and even engineers. It is not surprising, that new major investments are made in our field. I just want to mention here the SwissFEL, a facility which just got approved financing by the Swiss parliament in 2012 and for which construction work started in March 2013. This new installation will not only allow completely new science looking for example into ultrafast processes in crystallography



(<http://www.nccr-must.ch>), but also help to continue international collaborations. This has been done in the past for example with the participation in the very successful Swiss-Norwegian beam line at ESRF, France, and is presently continued for instance with the participation in the neutron source ESS in Lund, Sweden.

To present crystallography outside of our society is an important issue. Organizing the 2013 annual meeting of our society together with the Spanish and Italian sister organizations in Como (MISSCA conference, Sept. 9-12) is one attempt to discuss crystallography in a wider forum, as we expect more non-specialists to attend. We are using also platforms such as the Swiss Academy of Science, where we are member of the division mathematics, astronomy and physics (MAP). Presently the academy is making a major attempt to be more present in the public. We therefore were happy to support our colleagues from the University of Fribourg for inviting Nobel Laureate Dan Shechtman for lecturing here in Switzerland. His research is a good example on interdisciplinary importance of crystallography, as he is holding a Nobel Prize in chemistry for a subject with a high crystallographic importance: Quasicrystals. As in the past, teaching is a central task supported by our society; let me mention here the *Zurich School* "Bring your own crystal" and the *Powder Diffraction School* at PSI. Universities, however, must keep the leadership in teaching students in the field of crystallography.

I shall conclude with these remarks and I hope to see many of you not only in Como (Sept. 9-12), but also at the European meeting in Warwick (August 25-29). Please do not forget to register. For the Como-Meeting, special 1-day admission fees are offered, if you only like to attend the SGK/SSCr Annual meeting and the General Assembly (Sept. 11).

Jörg Schefer

## **News for and from members**

### **New Titular Professors: Dr. Michael Hennig and Dr. Anthony Linden**

Two members of the SGK/SSCr board have recently become Titular Professors. Dr. Michael Hennig has been awarded a title of Titular Professor at the Faculty of Science (Philosophisch-Naturwissenschaftliche Fakultät), University of Basel and Dr. Anthony Linden has been promoted to Titular Professor in the Faculty of Science at the University of Zurich. Our best congratulations!

### **JANA2006, version 15/03/2013**

On behalf of the Czech colleagues,  
Juerg Schefer informs:

New version of Jana2006 for Windows is available at [jana.fzu.cz](http://jana.fzu.cz)

Dear users of Jana software,

We have pleasure to announce this new release of Jana2006 for Windows. It cumulates hundreds of small improvements and also some significant changes like advanced support for magnetic structures and an interface for refinement with electron diffraction data. Jana2006 is now close to its final form and after some maintenance releases we are going to start development of a new major version, Jana2015.

Please note that Jana Cookbook available in our web page is continuously growing and it should be considered the main source of information about possibilities offered by our program. Nevertheless, we are still ready to help everybody directly in case the Cookbook would not solve the problem. We also continue organizing Jana ad-hoc workshops with topics, which are also listed in the web page.

Best Regards,

Vaclav Petricek, Michal Dusek, Lukas Palatinus

Internet-link to Jana-related pages:  
<http://jana.fzu.cz/>

## **We welcome the following new members of the SGK/SSCr**

### **Personal members**

Mr. Leonardo Humberto Rezende dos Santos, University of Bern,  
Ms. Arianna Lanza, University of Bern,  
Dr. Sandro Waltersperger, Paul Scherrer Institut,  
Mr. Alexey Mikheykin, Swiss-Norwegian Beamlines at ESRF, Grenoble.

### **Corporate member:**

ITS Innovative Technische Systeme SA, Lugano-Paradiso, Switzerland.

### **Missing addresses (with affiliation)**

Alexandre Manton, formerly at the University of Basel

Please report new contact address to the secretary of the society,  
Denis.Sheptyakov@psi.ch  
Thanks.

## **Travel grants for young SGK/SSCr members**

The committee will award the grants according to the following rules:

- Preference is given to PhD students
- Proof has to be given that there are no grants available covering the expenses
- A supporting letter by the supervisor of the applicant is necessary
- Applicant **MUST** be a member of our society

If you wish to apply for a travel grant, please send the above mentioned documents to the president of the SGK/SSCr anytime. You should have been member for at least one year before applying for a grant.

Travel grants are good opportunity allowing young scientist to profit from our society in a period with low income. By becoming afterwards a long-term member of our society, you can return this good-will to the next generation.

Details for applications are given at:

<http://www.sgk-sscr.ch/TravelGrants.pdf>

## **ILL Colloquium in honour of Alan Hewat: ,A Life of Refinement – 50 years of Neutron Scattering', October 26, 2012**

**Peter Fischer**

Laboratory for Neutron Scattering, Paul Scherrer Institut, CH-5232 Villigen PSI

In many fields of neutron scattering Alan Hewat had been a pioneer. In particular he developed the powerful multidetector/mylar foil Soller collimator instruments D1A [1] and D2B [2] for high-resolution neutron diffraction at the high neutron flux reactor of Institut Laue-Langevin (ILL) in Grenoble.

D1A, situated at a thermal neutron guide coated with natural Ni, had initially 10 10' collimators. It became the prototype for most constant-wavelength high-resolution neutron powder diffractometers in the world. With a vertically focusing Ge (hkk) monochromator the monochromator take-off angle had been 122 degrees.

Swiss users had officially access to D1A and D2B when Switzerland joined ILL in 1988. The latter instrument is situated at a thermal neutron beam in the reactor hall of ILL. Due to monochromator scattering angle  $2\Theta_M$  of 135 degrees and 5' collimators, the maximum resolution  $\delta d/d$  of approximately  $5 \times 10^{-4}$  with  $d$  as lattice spacing, has been achieved.

As one of the most cited ILL publications [3], the true average chemical structures of the compounds  $\text{YBa}_2\text{Cu}_3\text{O}_x$  with the 90 K superconductor for  $x = 6.95$  originated both from D1A and D2B measurements. Moreover correlation of the superconducting transition temperatures  $T_c$  and the bondvalence sum around the plane copper, indicating charge transfer and Cu-O chains as charge reservoir, had been proved. Thus together with similar results obtained independently by Jorgensen et al. [4] neutron diffraction clearly corrected the 'alternate structure' model of Reller et al. [5], which was mainly based on x-ray investigations.

During the years 1994 to 1998, when neutron instruments were moved from the 10 MW reactor Saphir to the continuous spallation source SINQ and also new instruments were installed there, 'SuperD1A' with 25 detectors served with F. Fauth as local contact very well as CRG instrument for Swiss users. Unfortunately D1A had finally to be removed in 2011 because the place was needed for a new cold neutron guide for the millenium project IN16b.

In 2003 Alan Hewat and his team transferred D2B into SuperD2B, mainly by doubling the number of the 64 D2B 5' collimators and detectors and by increasing the now position-sensitive detectors from 10 cm to 30 cm height. Thus a factor of 6 in intensity had been gained. And this two-dimensional detector shows directly sections of Debye-Scherrer cones with possible texture.

SuperD2B should be compared to the presently best time-of-flight neutron diffractometers such as HRPD at ISIS and SuperHRPD at J-PARC in Japan with maximum resolutions  $\delta d/d \approx 4 \times 10^{-4}$  and  $3 \times 10^{-4}$ , respectively. Such or even smaller values approaching those of synchrotrons will be necessary for a new high-resolution neutron powder diffractometer at ESS to enable the determination of the increasingly complex structures of new materials.



After his retirement in 2007 Alan Hewat concentrated with his neutron optics company (<http://www.neutronoptics.com>, look there also at Alan's personal account of the history of the ILL) on CCD scintillator cameras for both neutrons and x-rays as well as for astronomical applications. In cooperation with ILL new types of neutron Laue instruments such as CYCLOPS resulted.

More details (including conference photos) on the manifold instrumental and scientific contributions of Alan Hewat to neutron scattering and in particular for ILL and Switzerland are summarized in the presentations which are available from the ILL homepage at: <http://www.ill.eu/news-events/events/alan-hewat-colloquium/programme/>.

- [1] A. W. Hewat, Nucl. Instr. and Meth. 127, 361 (1975);  
A. W. Hewat and I. Bailey, Nucl. Instr. and Meth. 137, 463 (1976).
- [2] A. W. Hewat, Materials Science Forum Vol. 9, 69 (1986), Trans Tech Publ., Switzerland.
- [3] R. J. Cava, A. W. Hewat, E. A. Hewat, B. Batlogg, M. Marezio, K. M. Rabe, J. J. Krajewski, W. F. Peck Jr. and L. W. Rupp Jr., Physica C 165, 419 (1990).
- [4] J. D. Jorgensen, M. A. Beno, D. G. Hinks, L. Soderholm, K. J. Volin, R. L. Hitterman, J. D. Grace and I. K. Schuller, Phys. Rev. B 36, 3608 (1987); J. D. Jorgensen, B. W. Veal, A. P. Paulikas, L. J. Nowicki, G. W. Crabtree, H. Claus and W. K. Kwok, Phys. Rev. B 41, 1863 (1990).
- [5] A. Reller, J. G. Bednorz and K. A. Müller, Z. Phys. B Condensed Matter 67, 285 (1987).



Peter Cross and Alan Hewat at the D2B diffractometer at ILL

## School announcement: 12<sup>th</sup> PSI Summer School 2013.

12<sup>th</sup>

PSI Summer School 2013



PAUL SCHERRER INSTITUT

# Materials – structure and magnetism

**Lectures:** August 17–23, 2013  
Lyceum Alpinum Zuoz, Switzerland



**Information:** [www.psi.ch/summerschool](http://www.psi.ch/summerschool)  
Contact: [zuoz2013@psi.ch](mailto:zuoz2013@psi.ch)  
Deadlines: Grant application: April 30, 2013  
Registration: June 30, 2013

### Selection of invited speakers

**External experts:** Leon Balents, University of California, Santa Barbara, USA; Bertram Batlogg, ETH Zürich, Switzerland; Andrew Boothroyd, University of Oxford, UK; Colin Carlile, ESS Scandinavia, Lund, Sweden; Pietro Gambardella, ICN Spain; Tomas Jungwirth, Academy of Sciences of the Czech Republic; Hans Henning Klauss, TU Dresden, Germany; Ole Krogh Andersen, Max Planck Institut für Festkörperforschung, Stuttgart, Germany; Bella Lake, Helmholtz-Zentrum Berlin, Germany; Dennis Meier, Berkeley, USA; Sebastian Mühlbauer, TU München, Germany; Jürg Osterwalder, Universität Zürich, Switzerland; Thom Palstra, University of Groningen, The Netherlands

**PSI experts:** Alex Amato, Denis Cheptiakov, Hugo Dil, Elvezio Morenzoni, Bruce Patterson, Thorsten Schmitt, Urs Staub, Carlos Vaz, Jonathan White, Phil Willmott

### Scope

The PSI summer school 2013 is dedicated to some of the main topics addressed at large scale user facilities such as neutron and muon sources or synchrotron photon sources: Materials structure and magnetism. International experts and PSI staff members will introduce and deepen your knowledge not only about these scientific topics but also about the main methods applied to understand the phenomena, which are presently at the forefront of modern solid state physics and chemistry.

Following the school a practical training is offered at PSI. It will allow a limited number of participants to get hands-on experience with state-of-the-art instrumentation using photons, neutrons, and muons.



**Practical Training:** SINQ, SμS, SLS  
August 24–26, 2013  
Paul Scherrer Institut, Villigen, Switzerland



## Conference advertisement: ECM 28

### The 28th European Crystallographic Meeting (ECM28)

25th – 29th August 2013

The University of Warwick, UK



### Programme Features

- Keynote Lectures and Microsymposia
- Special Bragg Symposium
- Bragg Exhibition
- Prize Lectures
- Careers Session
- Commercial Exhibition
- Films about Crystallography
- Satellite Meetings and Workshops

European Young Crystallographers Meeting  
Software Development for Crystallographers  
OLEX2  
PDF Analysis Satellite Meeting

### Keynote Lectures

We are delighted to announce the following  
Keynote Lectures at ECM28:

Professor Julien Haines, Université Montpellier 2,  
France, In situ structural studies under extreme  
conditions: the precision frontier

Professor Manajit Hayer-Hartl, MPI Biochemistry  
Martinsried, Germany, Molecular chaperones for  
the folding, assembly and maintenance of RuBisCO

Professor Ian Robinson, University College London,  
UK, Imaging nanoparticles using coherent diffraction

Professor Marat Yusupov, IGBMC, Strasbourg,  
France, Crystal structure of eukaryotic ribosome

Professor Fernando Lahoz, University of Zaragoza,  
Spain, How structural studies may underpin  
enantioselective catalysis

Professor Joanne Etheridge, Monash University,  
Australia, Structure solution from the direct  
observation of phase – a new approach and  
applications

Professor Zbigniew Dauter, Argonne National  
Laboratory, USA, The brain as a validation tool

Professor Lukas Palatinus, Institute of Physics,  
Czech Republic, Charge flipping & Co.: dual space  
algorithms in crystallography

Professor Pance Naumov, New York University,  
Abu Dhabi, Single crystals on the move: Kinematic  
analysis of thermosolvent and photosolvent  
phenomena

Professor Dietmar Stalke, University of Göttingen,  
Germany, What a synthetic chemist learns from  
charge density

Professor Paul Attfield, University of Edinburgh, UK,  
The Verwey structure of magnetite – from crystals  
to powders to microcrystals

Professor Susan Bourne, University of Cape Town,  
South Africa, Building responsive metal-organic  
frameworks: modifying properties by structure



### Venue

Warwick University  
Gibbet Hill Rd  
Coventry  
CV4 7AL



### Bragg Symposium

Professor John Jenkin, biographer of William and  
Lawrence Bragg, La Trobe University, Australia

Dr Airlie McCoy, University of Cambridge

Professor Bill David, ISIS Facility RAL & University  
of Oxford

### Contact

Northern Networking Events Ltd

Tel: +44 (0)1355 244 966

Fax: +44 (0)1355 249 959

Email: [ecm28@northernnetworking.co.uk](mailto:ecm28@northernnetworking.co.uk)

Website: [www.ecm28.org](http://www.ecm28.org)

## Conference announcement: **MISSCA 2013, Como, Italy.**

MEETING OF THE ITALIAN, SPANISH AND SWISS CRYSTALLOGRAPHIC  
ASSOCIATIONS

SEPTEMBER 9<sup>th</sup> – 12<sup>th</sup> 2013, VILLA OLMO, COMO (ITALY)



Three years after their second successful Meeting (MISCA 2010, Oviedo, Spain), and six years after they organized their first joint Conference in Italy (MISCA 2007, Copannello di Staletti, Italy), the Italian and Spanish Crystallography Associations deemed it necessary to renew this traditional event.

Stimulated also by the interest shown by the Swiss Crystallography Society, the three National Associations have merged their efforts to organize, in the beautiful surroundings of Villa Olmo, on the shore of the Lake of Como, the first Meeting of the Italian, Spanish and Swiss Crystallography Associations - MISSCA 2013.

In our intentions, the Conference will contribute to broaden the scientific contacts among the Members of the three communities. Moreover, thanks to the choice of an easily accessible location near Central Europe, it may attract scientists from neighboring Countries and fields.

Nearly one century has passed since Nobel Prizes were awarded for the discovery of diffraction by crystals and for closely related scientific activities. Later on, in 1927, Villa Olmo hosted the first Volta Conference, in which the uncertainty principle by Niels Bohr and Werner Heisenberg was originally disclosed. It is therefore a pleasure for us to invite you to attend the MISSCA 2013 Conference, timely juxtaposing a historical location with a memory of significant change of paradigms in Science. From Volta to kiloVolt!

The Presidents of the three Crystallographic Societies

AIC	Michele Saviano (IC-CNR, Italy)
GE3C	Fernando J. Lahoz (CSIC - Universidad de Zaragoza, Spain)
SGK/SSCr	Jürg Schefer (Paul Scherrer Institut, Switzerland)

## MISSCA 2013, Como: Plenary Lectures

Stuart S.P. Parkin,	IBM Almaden, San José, USA
Tilman Schirmer,	University of Basel, CH
Carlo Gatti,	ISTM-CNR, Milano, IT
Sakura Pascarelli,	ESRF, FR
Cristobal Viedma Molero,	Universidad Complutense, Madrid, ES

## Microsymposia and Chairs

MS1	Macromolecular Assemblies and Viruses	(M. Solà, Barcelona, ES)
MS2	Structure and Properties of Organic and Inorganic Thin Films	(S. Milita, Bologna, IT)
MS3	Frontiers in Instrumentation	(V. Dmitriev, ESRF, FR)
MS4	Molecular compounds and intermolecular interactions	(M. A. Monge, Madrid, ES)
MS5	Membrane Proteins and Drug Design	(G. Garau, Genova, IT)
MS6	Aperiodic, Nano- and Defective Materials	(W. Steurer, Zurich, CH)
MS7	Quantum Crystallography	(A. Martín Pendàs, Oviedo, ES)
MS8	Industrial, Forensic and Heritage Crystallography	(G. Artioli, Padova, IT)
MS9	Crystallography at non-Ambient Conditions	(G. Aquilanti, Trieste, IT)
MS10	Crystallography for Intelligent Materials	(K. Fromm, Fribourg, CH)
MS11	Advances in Crystal Growth and Crystallization Methods	(M. Moret, Milano, IT)
MS12	Advances in Polarized X-rays and in Magnetic Neutron Diffraction	(L. Paolasini, ESRF, FR)

## Important Dates:

May 15 <sup>th</sup> 2013	Deadline for the request of grants
May 30 <sup>th</sup> 2013	Deadline for the submission of abstract.
Jun 15 <sup>th</sup> 2013	End of the early bird registration
Sept 11 <sup>th</sup> 2013, 17 <sup>00</sup> -19 <sup>00</sup>	SGK / SSCr General Assembly, one-day admission possible (80 Euro)

## Further Information / Program:

Conference's webpage:  
<http://missca.dsat.uninsubria.it>

## **Gérald Bernardinelli - alias Kiki - (1945 - 2012)**



With extreme sadness we have to report the death in late November 2012 of Gérald Bernardinelli, alias Kiki. His youthful passion for smoking caught up with him in the form of cruel illness only four years after his early retirement in the summer of 2008.

Despite his strong Geneva accent, Kiki was born in Nice, a Frenchman, but spent almost all of his life in Geneva. His family name is not of Italian origin but from Corsica. His mother was Swiss. He first studied chemical engineering at the engineering school in Geneva and this was followed by studies in chemistry at the University of Geneva. He helped pay for these studies by working part-time as a photographer. At the completion of his undergraduate studies, he took a post of assistant in the department of organic chemistry and embarked upon a Ph.D. under the supervision of Raymond Gerdil. Most of this Ph.D. work was organic crystal chemistry and a highlight for Kiki, at the moment of the thesis defense, was his discussion with the external examiner, a certain J. D. Dunitz.

At that time, there was a clear need for a service crystallographer to work for the chemistry section of the University of Geneva. After a fair amount of negotiation, a stable post was created and Kiki was appointed to it. He stayed in this post until his retirement. However, as the instrumentation was located in the laboratory of crystallography (a unit under the control of the faculty of sciences and physically located in the physics building), Kiki chose to have his office close to the instrumentation in the laboratory of crystallography. As a consequence, we had the pleasure of Kiki's company and professional expertise, the chemists had the pleasure of a four-minute walk to come and admire the results of their crystal-structure analyses, and he had close contact to the technical service and professional crystallographers there. Kiki organized the work the way that he wanted, as a pure service. This contributed greatly to its success. The chemists had to provide crystals and they were frequently sent away to fulfil this requirement. Kiki undertook the diffraction measurements, solved the crystal structure, prepared the related documentation, and explained the results to the chemists. He estimated that he spent about 30% of his time in instruction/teaching of the chemists. This is not to say that he ever gave any formal lectures on crystal-structure analysis, that task being the responsibility of the laboratory of crystallography. The problem was that any instruction that the chemists might have had, was like water on a duck's back. So, on an individual basis, he clearly and patiently explained the results of the crystal-structure analysis to them, and at



the same time they managed to learn what crystallography was and what it could do.

Kiki was a meticulous worker with a fine gift for experimentation. He had a multitude of interests in his life. He was of a very pleasant personality, frank, direct and honest.

The photograph shows Kiki and myself, both in fine form, at our retirement party organized by friends and colleagues in the chemistry section of the University of Geneva in early summer 2008. The wine was excellent as Kiki had done a tour of the best vineyards in the republic and made a most suitable choice. The food was less appetizing and in short supply. In the middle of the party, Tatane (i.e. Madame Bernardinelli) had to send out one of the Ph.D. students to the nearby supermarket to buy some packets of crisps.

Kiki leaves behind his wife Christiane, his two children Sandrine and Yann, and four grandchildren; and for the rest of us, very many fond memories.

Howard Flack



## **Announcement of the General Assembly of the SGK / SSCr.**

The 2013 annual General Assembly of the Swiss Society for Crystallography will be associated with the MISSCA conference. The General Assembly will take place on Sept. 11, 2013, 17h – 19h, at Villa Olmo in Como, Italy.

### **Agenda of the SGK/SSCr General Assembly 2013**

The minutes of our last General Assembly (2012) are published on page 14 of our newsletter No. 87, electronically available at <http://cms.unige.ch/societes/SSCr/wp-content/uploads/2012/02/SGK-News-87.pdf>

- a) Jahresbericht /  
Le rapport annuel
- b) Jahresrechnung /  
Les comptes annuels
- c) Aufstellung des Budgets für das kommende Jahr /  
Le budget proposé pour l'année suivante
- d) Festsetzung des jährlichen Mitgliederbeitrages /  
Le montant de la cotisation annuelle
- e) Wahlen / Elections:
  - 1) Bestätigung des bestehenden Vorstandes/  
Confirmation des membres actuel du comité 2012-2014
  - 2) Wahl-Bestätigung der beiden Rechnungsprüfer: Vorschläge sind  
willkommen /  
Election-confirmation des deux réviseurs de comptes: Les propositions  
sont bienvenues
  - 3) Wahl der Delegierten zur ECA und IUCR  
Election de la delegations ECA et IUCR
- f) Information über die Vorbereitungen für ECM-30, Basel, 2016 /  
Informations des preparations pour ECM-30,Bâle 2016
- g) Anträge von Mitgliedern  
Les demandes des membres



## Calls for proposals

**Beside normal proposals, most facilities allow urgent beam time requests.  
Please check directly with the facility.**

Facility	Deadline(s)	Link
<b>SLS: Swiss Light Source</b> All except PX lines Protein crystallography beamlines (PX)	March 15, Sept. 15 Feb. 15, June 15, Oct. 15	<a href="http://www.psi.ch/useroffice">www.psi.ch/useroffice</a>
<b>SINQ: Swiss Spallation Neutron Source</b> All instruments (regular calls)	May 15, Nov. 15	<a href="http://www.psi.ch/useroffice">www.psi.ch/useroffice</a>
<b>SINQ/SLS</b> Joint powder instrument (MS/HRPT)	Feb. 15, 2013	<a href="http://www.psi.ch/useroffice">www.psi.ch/useroffice</a>
<b>SpS: Swiss Muon Source</b> All instruments	Dec. 5	<a href="http://www.psi.ch/useroffice">www.psi.ch/useroffice</a>
<b>ESRF: European Synchrotron</b> All instruments, long term proposals All instruments, short term proposals	Jan. 15 March 1, Sept. 1	<a href="http://www.esrf.eu">www.esrf.eu</a> <a href="http://www.esrf.eu">www.esrf.eu</a>
<b>SNBL: Swiss Norwegian Beam Line</b>	March 1, Sept. 1	<a href="http://www.esrf.eu/UsersAndScience/Experiments/CRG/BM01/">www.esrf.eu/ UsersAndScience/ Experiments/ CRG/BM01/</a>
<b>ILL: Institut Laue Langevin</b> All instruments	Feb. 15, Sept. 15	<a href="http://www.ill.eu">www.ill.eu</a>
<b>FRM II: Heinz Maier-Leibnitz</b> All instruments	July 19, 2013	<a href="http://user.frm2.tum.de">user.frm2.tum.de</a>
<b>SNS Spallation Neutron Source</b> Oak Ridge	Sept. 5, 2013	<a href="http://neutrons.ornl.gov">neutrons.ornl.gov</a>

## Calendar of forthcoming meetings

(Please mail missing information on meetings of interest to Jurg.Schefer@psi.ch)

			Abstract Deadline
<b>2013</b>			
June 2-7	Les Diablerets CH	Gordon Research Conference on Electron Distribution & Chemical Bonding <a href="http://www.grc.org/programs.aspx?year=2013&amp;program=elecldist">http://www.grc.org/programs.aspx?year=2013&amp;program=elecldist</a>	May 5, 2013
June 2-7	Chalk River Canada	12th Canadian Neutron Scattering Summer School <a href="http://www.cins.ca/ss2013/">http://www.cins.ca/ss2013/</a>	May 5, 2013
June 9-22	Zurich CH	The Zurich School of Crystallography 2013 <a href="http://www.oci.uzh.ch/group.pages/linden/zsc">http://www.oci.uzh.ch/group.pages/linden/zsc</a>	Jan. 15, 2013
June 21-26	Keystone Colorado USA	The 19th American Conference on Crystal Growth and Epitaxy <a href="http://crystalgrowth.us/accge19/index.php">http://crystalgrowth.us/accge19/index.php</a>	03.04.2013
June 21-27	Sète France	21 <sup>èmes</sup> Journées de la Diffusion Neutronique L'école thématique « NEUTRONS ET MATERIAUX POUR L'ENERGIE » <a href="http://www.sfn.asso.fr/JDN/JDN21/">http://www.sfn.asso.fr/JDN/JDN21/</a>	03.04.2013
July 2-5	Lucerne CH	4 <sup>th</sup> European PEFC & H <sub>2</sub> Forum <a href="http://www.efcf.com/">http://www.efcf.com/</a>	to be announced
July 2-7	Diablerets CH	Gordon research conference on Electron Distribution and Chemical Bonding, <a href="http://www.grc.org/programs.aspx?year=2013&amp;program=elecldist">http://www.grc.org/programs.aspx?year=2013&amp;program=elecldist</a>	
July 7-12	Moscow Russia	17 <sup>th</sup> International Zeolite Conference <a href="http://www.izc17.com">http://www.izc17.com</a>	to be announced
July 7-12	Marseille France	18th European Symposium on Organic Chemistry (ESOC 2013) <a href="http://esoc2013.eu/">http://esoc2013.eu/</a>	to be announced
July 8-12	Edinburgh, UK	International Conference on Neutron Scattering <a href="http://www.icns2013.org">http://www.icns2013.org</a>	22.02.2013
July 8-12	Patras, Greece	International Workshop 2: Powder & Electron Crystallography <a href="http://www.hecra.gr/index_en.htm">http://www.hecra.gr/index_en.htm</a>	
July 21-26	Keystone Colorado USA	The 19th American Conference on Crystal Growth and Epitaxy <a href="http://crystalgrowth.us/accge19/index.php">http://crystalgrowth.us/accge19/index.php</a>	01.03.2013
Aug. 25-29	Warwick UK	European Crystallographic Association, ECM-28 <a href="http://www.ecm28.org">http://www.ecm28.org</a>	to be announced
Sept. 9-13	Como Italy	Meeting of the Italian, Spanish and Swiss crystallographic associations <a href="http://missca.dsat.uninsubria.it">http://missca.dsat.uninsubria.it</a>	15.05.2013
Sept. 30-Oct. 04	Kloster Banz Germany	Conference Intermetallics 2013 <a href="http://www.dgm-intermetallics.de/">http://www.dgm-intermetallics.de/</a>	15.04.2013
Oct. 27-31	Montreal QC Canada	Applied Neutron Scattering in Engineering and Materials Science Research <a href="http://web.cim.org/COM2013/conference/AppliedNeutronScattering.cfm">http://web.cim.org/COM2013/conference/AppliedNeutronScattering.cfm</a>	
Nov. 21-22	Winterthur CH	SCNAT Annual Congress <a href="http://www.scnat.ch/d/Aktuell/Veranstaltungen/index.php?id=17486">http://www.scnat.ch/d/Aktuell/Veranstaltungen/index.php?id=17486</a>	

## 2014

Aug. 5-12	Montreal Canada	IUCr-2014, 23 <sup>rd</sup> General Assembly and Congress of IUCr <a href="http://www.iucr.org/iucr/cong/iucr-xxiii">http://www.iucr.org/iucr/cong/iucr-xxiii</a>	to be announced
Aug. 31-Sep. 05	Pavia Italy	1 <sup>st</sup> European Crystallography School 2014	to be announced
Oct. 5-14	Grindelwald CH	10th World Conference on Neutron Radiography (WCNR-10) <a href="http://indico.psi.ch/conferenceDisplay.py?confId=2019">http://indico.psi.ch/conferenceDisplay.py?confId=2019</a>	03.03.2014
to be decided	Villigen CH	PSI Powder Diffraction Summer School	to be announced

## 2015

To be fixed	Rovinj Croatia	ECM-29 2015 <a href="http://www.ecm29.org">http://www.ecm29.org</a>	to be announced
-------------	-------------------	--	-----------------

## 2016

28. Aug- 01. Sep	Basel CH	European Crystallographic Association, ECM-30 <a href="http://www.ecm30.org">http://www.ecm30.org</a>	to be announced
---------------------	-------------	--	-----------------

## 2017

to be decided	Hyderabad India	IUCr-2017, 24 <sup>th</sup> General Assembly and Congress of IUCr <a href="http://www.iucr.org/iucr/cong">http://www.iucr.org/iucr/cong</a>	to be announced
---------------	--------------------	--	-----------------

## Become a member of SGK/SSCr

If you are working in the field of crystallography, you will be interested to become a member of our society. For more information as well as online registration, please have a look on our website (<http://www.sgk-sscr.ch>).

Presently, the yearly membership fee is sfr. 30 (sfr. 10 for students).



### SGK/SSCr is a member of the Swiss Academy of Science.

Name			
Given name			
Title			
Institution			
Street			
Box/building			
ZIP Code			
Town			
Country			
Phone office	+	( )	
Fax office	+	( )	
Phone private	+	( )	
Mobile phone	+	( )	
E-Mail	@		
Interest			
Membership subsection crystal growth	Yes ( )	No ( )	
Birth date	Day:	Month:	Year:
Language(s)			
Major research interests			
Highest degree received			
from university			
Present position			

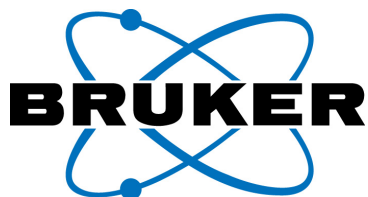
Date: ..... Place: .....

Signature: .....

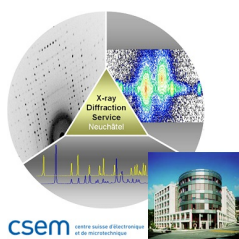
Please FAX the completed form to: Denis Sheptyakov, +41 (0)56 310 2939  
or use our online application form at <http://www.sgk-sscr.ch>  
You may also use this form if You need to update Your contact information.

## Institutional members and supporting institutions

### Corporate members



Stoe & CIE GmbH  
Wissenschaftliche Instrumente



X-Ray Diffraction Services  
CSEM, Neuchâtel



### Supporting institutions



Member of  
the Swiss Academy of Sciences



(If you would like to see your logo here, please contact our treasurer, Dr. Piero Macchi)



**Schweizerische Gesellschaft für Kristallographie**  
**Société Suisse de Cristallographie**  
**Società Svizzera di Cristallografia**  
**Societad Svizera per Cristallografia**

**Members of the Board of the Society for the period 2012 – 2014**

<b>President</b>	<b>Dr. Jürg Schefer</b> Laboratorium für Neutronenstreuung (LNS) Paul Scherrer Institut, WHGA-244, 5232 Villigen PSI +41 56 310 4347, juerg.schefer@psi.ch
<b>Vice-President, Treasurer</b>	<b>PD Dr. Piero Macchi</b> Department of Chemistry & Biochemistry University of Berne Freiestrasse 3, 3012 Bern +41 31 631 4361, piero.macchi@dcb.unibe.ch
<b>Secretary</b>	<b>Dr. Denis Sheptyakov</b> Laboratorium für Neutronenstreuung (LNS) Paul Scherrer Institut, WHGA-133, 5232 Villigen PSI +41 56 310 3070, denis.sheptyakov@psi.ch
<b>Webmanager</b>	<b>Dr. Céline Besnard</b> Laboratoire de Cristallographie Université de Genève 24, Quai Ernest Ansermet, 1211 Genève 4 +41 22 379 62 02, celine.besnard@unige.ch
<b>Other members</b>	<b>Prof. Dr. Michael Hennig</b> F. Hoffmann - La Roche Pharma Research 65/319, CH-4070 Basel +41 61 688 6046, michael.hennig@roche.com <b>Prof. Dr. Anthony Linden</b> Institute of Organic Chemistry University of Zürich Winterthurerstrasse 190, 8057 Zurich +41 44 635 4228, alinden@oci.uzh.ch <b>Prof. Dr. Katharina Fromm</b> Département de Chimie Université de Fribourg Chemin du Musée 9, CH-1700 Fribourg +41 26 300 8732 katharina.fromm@unifr.ch <b>Dr. Antonia Néels</b> CSEM Centre Suisse d'Electronique et de Microtechnique XRD Application Laboratory, Jaquet-Droz 1, 2002 Neuchâtel +41 32 720 5195 antonia.neels@csem.ch
<b>Auditors:</b>	<b>Ch. Bärlocher</b> (ETH Zürich), <b>K. Schenk</b> (EPF Lausanne)



SGK/SSCr Newsletter (ISSN ISSN 1662-5358, online version: ISSN 1662-534X)

Editor : Dr. Denis Sheptyakov  
Laboratory for Neutron Scattering (LNS)  
Paul Scherrer Institut  
Building WHGA-133  
CH-5232 Villigen PSI, Switzerland

e-mail: denis.sheptyakov@psi.ch

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

SGK/SSCr, CH-1700 Fribourg

Bank Account: UBS Zürich	IBAN: CH39 0027 9279 C029 1110 0
	BIC: UBSWCHZH80A
	BLZ: 279

Printing and Mailing:



---

The newsletter of SGK/SSCr is published 3-4 times a year in a circulation of 350. Word files (Font Tahoma 12) are welcome at any time, as well as illustrations for the cover. Articles in English, German or French may be submitted. Please send all interesting material directly to the editor.

Commercial advertisements of material of interest to members of the SGK/SSCr are welcome. Please contact the treasurer for details of the advertisement rates.