



**Schweizerische Gesellschaft für Kristallographie
Société Suisse de Cristallographie
Swiss Society for Crystallography**

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

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Member of
the Swiss Academy of Sciences

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Dear members of the Swiss crystallographic society,

hoping that you have had a good start into the new year, I also wish to welcome our new members. This year, we look forward to some exciting conferences and workshops. We invite young members to apply for travel grants (more information also on our web-site www.sgk-sscr.ch/ as well as page 11 of this newsletter.

The excellent news of last year 2009 is certainly the Nobel Prize going to three outstanding scientists, V. Ramakrishnan, T.A. Steitz, A.E. Yonath, involved in the elucidation of structure and function of ribosome, and it is with great pleasure that we see crystallography heavily involved in this prize. Looking back in the history of Nobel Prizes associated with crystallography is extremely pleasing: in 2006 and 2003, R. D. Kornberg and R. MacKinnon received the Nobel Prize in Chemistry, each with subjects involving structure determination in very biologically oriented fields. The years 1996 and 1997 involved the discovery of fullerenes and enzymatic mechanisms, respectively, and again, crystallography was an important tool in Chemistry. From 1991-1994, the Nobel Prize in Physics went almost every year to subjects linked with crystallography. The 80's were then again more dominated by Chemistry Nobel Prizes related to structure determinations. The Nobel Prizes of even earlier years show an interesting development: Between 1901 (the first Nobel Prize in Physics went to W. C. Röntgen for the discovery of X-rays) and 1940, all awards related with crystallography were dedicated to physics, while from 1945 on, Chemistry took slightly over. Only one Nobel Prize in Physiology or Medicine went to crystallography in 1962 for the discovery of the helical structure of DNA by Crick, Watson and Wilkins, but of course the recent ones can just as well count for this discipline.



This series shows quite nicely how Crystallography has evolved with time, becoming a more and more interdisciplinary field in which people from all kind of disciplines can feel at home. So, bets are now open for when and which field will next win a Nobel Prize in relation with Crystallography?

Best wishes and many nice crystals,

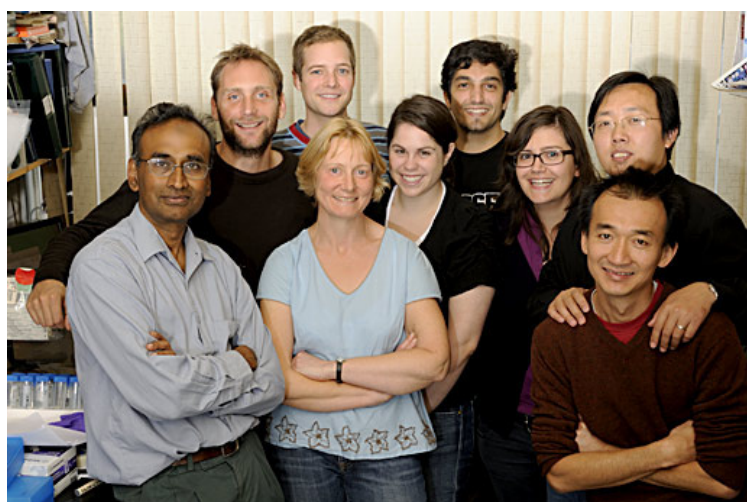
Katharina Fromm

Structure and function of the ribosome, factory for the production of proteins - Nobel Prize in Chemistry 2009

Thomas A. Steitz (Yale , USA), Ada E. Yonath (Weizmann Inst, Israel) and Venkatraman Ramakrishnan (MRC, UK)

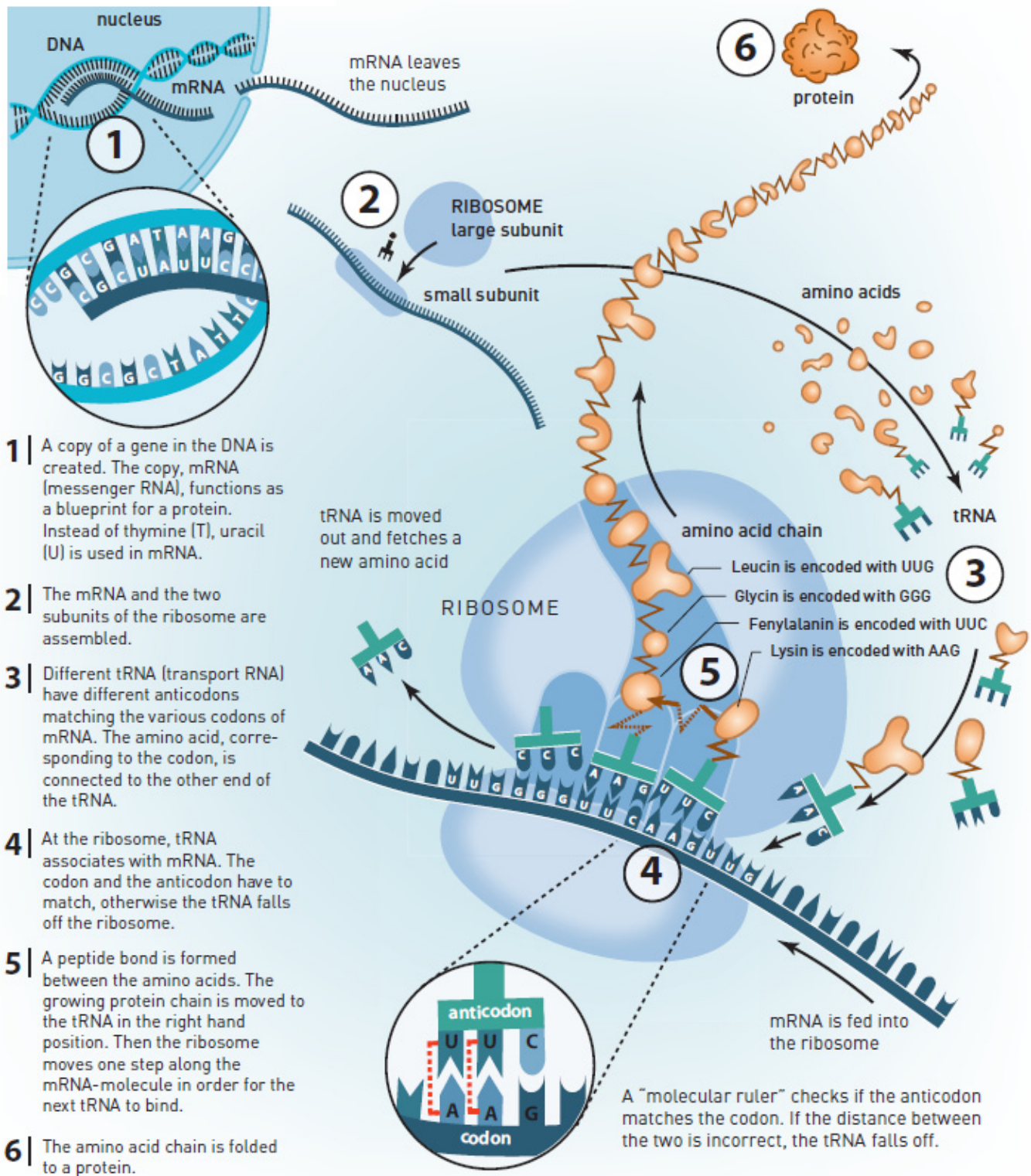
Contributed by J. Friso van der Veen (friso.vanderveen@psi.ch)

Back in the eighties, working as a physicist in Holland, I once considered putting on my visiting card 'crystallographer' as my profession. At that time I performed ion scattering studies of surface structures. Being proud of our first breakthroughs and having been invited as a speaker at various crystallography conferences, I thought it to be appropriate to call myself a crystallographer. But my colleagues advised me strongly against it and told me that if I would call myself instead a 'surface scientist' (nowadays, 'nanoscientist'), I would be able to attract more funding. Amusingly, crystallography, despite the yawns it has occasionally provoked at funding agencies, has outlived all fashions. In fact, no other discipline has been awarded with so many Nobel Prizes as crystallographic research. In 2009 we have seen another beautiful example, the Nobel Prize in Chemistry for the 'Structure and Function of the Ribosome', given to Ada Yonath, Thomas Steitz and Venkatraman Ramakrishnan. These structural biologists achieved their breakthroughs thanks to the use of synchrotron radiation for the crystallographic part of their research. Since 2003 the group of Venki Ramakrishnan has been a regular user of the macromolecular crystallography (MX) beamlines at the Swiss Light Source (SLS). Their first major result was the structure of the 70S ribosome from *Thermus thermophilus* in a pretranslocation state at 2.8 Å resolution, which allowed them to build an accurate model that reveals the structures of tRNA and mRNA in situ and the molecular details of their interaction with the ribosome. This structure was determined with the highest resolution ever obtained on 70S ribosomes [Selmer et al. (2006), *Science*, **313**, 1935]. Their most recent work cited by the Nobel committee (Voorhees R.M. et al., (2009) *Nat. Struct. Mol. Biol.* **16**: 528-533), benefited substantially from our PILATUS pixel detector, enabling continuous data acquisition in fine phi-sliced mode. These breakthroughs would not have



Venkatraman Ramakrishnan (left) with his research team (photo: courtesy of MRC Laboratory of Molecular Biology)

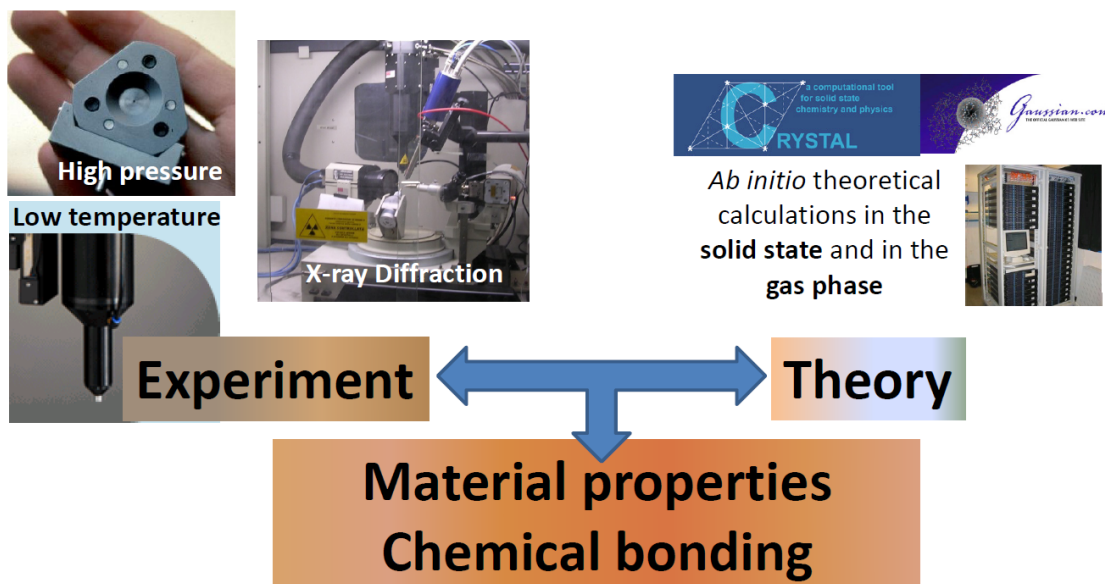
been possible without the high brilliance offered by an advanced synchrotron radiation source such as the SLS. But equally important is the professionalism of the staff running the beamlines. At the SLS, the MX team led by Clemens Schulze-Briese has become a world leader in providing optimal and reliable conditions for demanding MX on crystals with large unit cells. We congratulate the Nobel Prize winners not only with their major breakthroughs in ribosome research but also for putting synchrotron crystallography again so prominently on the world map.



Chemical crystallography at the University of Berne

Contributed by Piero Macchi (piero.macchi@dcb.unibe.ch)

Accurate structural studies



After retirement of prof. H. B. Bürgi, the former institute of chemical and mineralogical crystallography of the University of Bern was dismissed. Two separate groups were created: the Mineralogical Crystallography (led by Prof. Dr. Th. Armbruster, within the Department of Geology) and the Chemical Crystallography (which started in 2009 when PD Dr. Piero Macchi was appointed at the Department of Chemistry and Biochemistry).

The research carried out by the Chemical Crystallography group is devoted to characterize intriguing features of organic, inorganic and metallorganic phases on changing the thermodynamic conditions (Pressure or Temperature).

Special studies are dedicated to accurate mapping of the electron density from X-ray diffraction data at low temperature, especially on metal organic complexes and clusters. Software packages are developed in the group, for example the program XD2006, the most wide-spread software for refinement and analysis of electron density from X-ray diffraction data. The group is also interested in analysis and interpretation of diffuse scattering from organic/inorganic materials.

The experimental structural investigations are complemented by theoretical predictions of molecular conformation and electronic configuration, with analysis of chemical bonding. Moreover, theoretical simulations of molecular crystals at extreme conditions (high pressure) are carried out.

Among the most interesting results in 2009 is the observation of a proton shift in oxalic acid di-hydrate at high pressure (Chem. Commun., 2009, 2679; further work in publication).

The group is supported by the National Science Foundation, through three projects:

- a) *Properties of organometallic molecular materials from accurate electron density distribution;*
- b) *Chemical bonding in molecular crystals at high pressure;*
- c) *Purchase of a single crystal X-ray diffractometer for high resolution and accurate studies on molecular crystals*

The group has open collaborations with the PSI for research in high pressure diffraction, with the SNBL at the ESRF for research in electron density distribution and with the University of Zurich (and the Oak Ridge National Laboratory, USA) for research in diffuse scattering.

Dr. Piero Macchi and Dr. Jürg Hauser are permanent members of the group, that at the moment includes also Dr. Petra Simoncic, Dr. Michel Bonin, Ms. Abita S. Chimpri, Mr. Davide Tiana and Ms. Patricia Brunhold (secretary). The technical support of Mr. Vladimir Malogajski and Mr. Simon Gantenbein is also very useful.

Piero Macchi obtained his PhD from the University of Milano (Italy) in 1999, under the supervision of Prof. A. Sironi. As a postdoc, he was 'adjunkt' at the University of Aarhus (Denmark) in the group of Prof. F. K. Larsen (1999–2000). He became researcher at the structural chemistry department of the University of Milano (2002–2008). In 2009, he was appointed *dozent* and group leader of the Chemical Crystallography at the University of Bern (Switzerland) where he also obtained the *habilitation* in chemical crystallography at the faculty of science of the University of Berne.

News for and from members

We welcome the following new members of the SGK/SSCr:

Personal members

Prof. Petr Leiman, EPF Lausanne, IPBS-LBBS, Le Cubotron, BSP, 1015 Lausanne

Raddj Ravi Chanra Sura, Université de Rennes et Laboratory for Neutron Scattering, ETH Zurich & PSI, UMR6511, Bât. 10B, Avenue General Leclerc, FR-35042 Rennes, France (PhD)

Mrs. Dubravka Sisak, ETH Zürich, Materials Science Department, HCI G 504, Wolfgang-Pauli-Strasse 10, 8093 Zürich (PhD)

Mr. Jürgen Grässlin, ETH Zürich, Laboratory for Crystallography, HCI G 504; Wolfgang-Pauli-Strasse 10, 8093 Zürich (PhD)

New Vice President

Prof. Marc Schiltz has been elected as our new vice president at the board meeting February 10, 2010, in Fribourg. Congratulation.

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

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.

Details for applications are given at:

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

SGK/SSCr annual meeting 2010 – Geneva – Sept. 17



Call for abstracts

The annual meeting of the SGK/SSCR and the general assemblies of SGK/SSCr and SKT 2010 will take place in Geneva on September 17 (meeting and general assemblies). It is organized by R. Cerny, Laboratory of Crystallography, University of Geneva.
<http://www.unige.ch/sciences/crystal/>.

Registration:

In order to optimize our organization, please register free of charge at
<http://diffraction.web.psi.ch/sgk-sscr-2010.htm>

Dinner:

Sept. 17, 2010, 18.30h

Abstracts should be submitted to radovan.cerny@unige.ch (subject=SGK/SSCr Annual Meeting). They will be published in issue 81 of our newsletter.

Deadlines:

Abstract submission: July 31, 2010

Registration/Dinner: Sept. 1, 2010

A template for the abstract is available from <http://diffraction.web.psi.ch/sgk-sscr-2010.htm>
Please, do not use old templates stored on your computer.

**Program of the annual meeting of the
Swiss society for crystallography**

New Materials for Clean Future

September 17, 2010, SCIII, Lecture Room A 150
Quai Ernest-Ansermet 30, 1205 Genève

8h45 – 9h15 Registration + Poster hanging
9h15 – 9h20 Welcome (K. Fromm, R. Cerny)

9h25 – 10h10 *"HTc supraconductors, where we are?"*

10h10 – 10h40 Coffee Break / Posters

10h40 – 11h25 *"Hydrogen storage in solids, the way to go?"*

11h25 – 12h10 *"Metal-hydride batteries, better use of hydrogen?"*

12h10 – 13h00 Lunch

13h00 – 14h00 Annual Meeting of the Swiss Society for Crystallography

14h00 – 14h45 *"Lithium batteries, electricity from air?"*

14h45 – 15h30 *"Photovoltaic cells, cheap energy for everybody?"*

15h30 – 16h15 Coffee Break / Posters

16h15 – 17h00 *"New materials for fuel cells."*

17h00 – 17h45 ??

17h45 – 18h00 Poster Prizes and Closing Remarks

18h30 Dinner

Membership overview – February 2010

Our society presently counts 147 ordinary, 18 student and 10 institutional / commercial members.

Present members are coming from

Swiss universities

EPFL	13
University of Geneva	8
University of Fribourg	4
University of Neuchâtel	5
University of Bern	5
University/Industry Basel	6
PSI Villigen	19
EMPA Dübendorf	3
ETH Zurich	17
University of Zurich	3

Switzerland (private and industry)

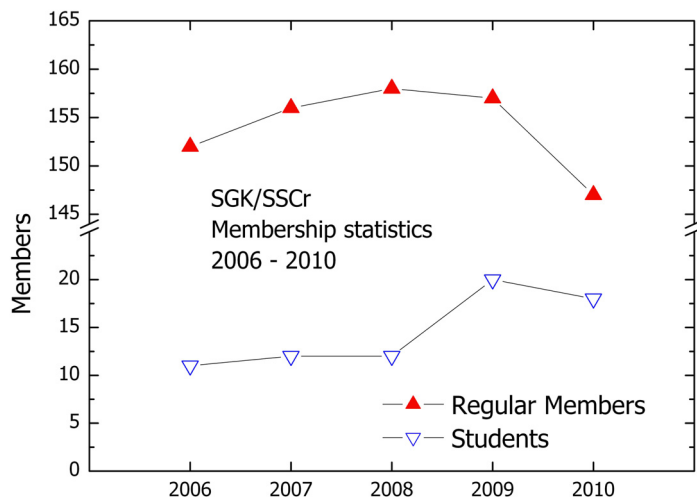
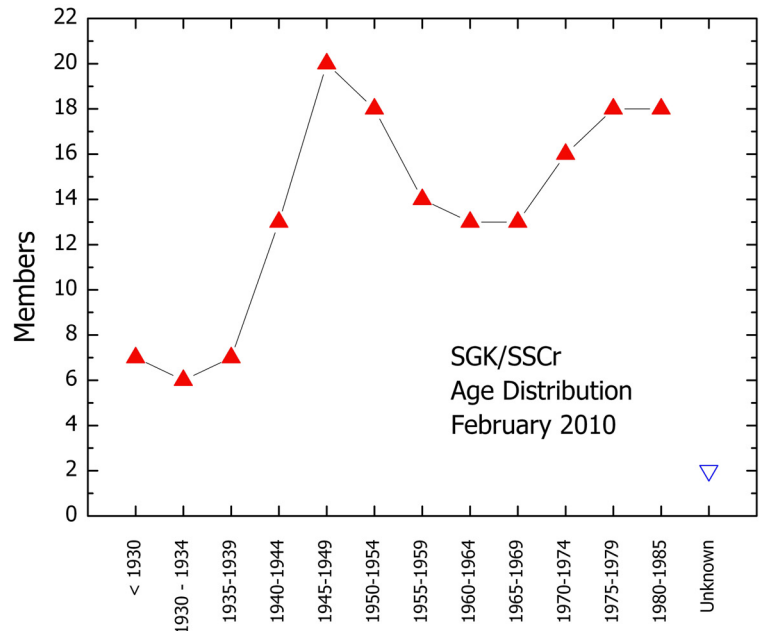
cities of Geneva and Lausanne	9
FR/NE/BE/VD except Lausanne	5
AG	3
ZH	16
eastern/central/south Switzerland	5
BS/BL	6

Foreign countries (private and universities)

Germany	12
France	10
USA	5
others countries	11

Age Distribution 2010:

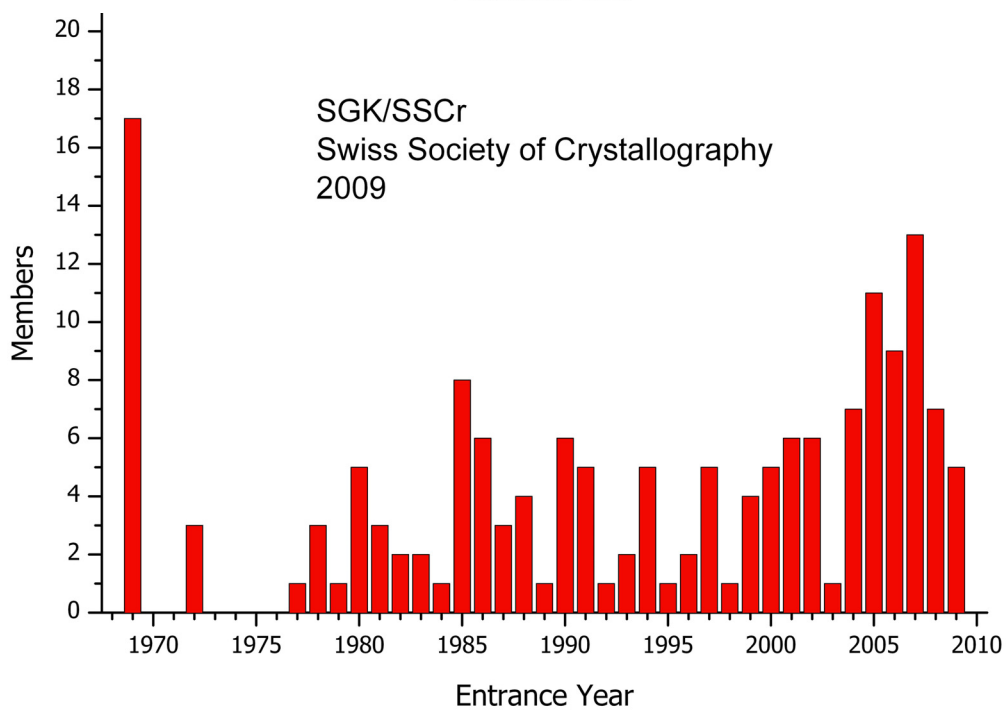
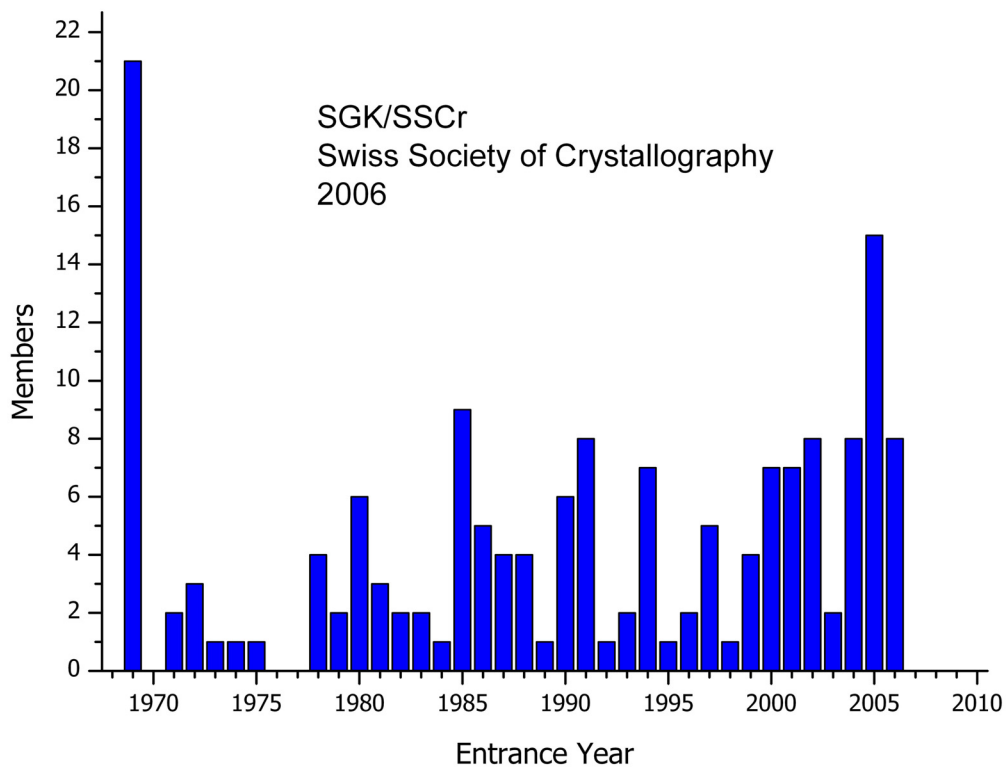
< 1930	7
1930 – 1934	6
1935 - 1939	7
1940 - 1944	13
1945 - 1949	20
1950 - 1954	18
1955 - 1959	14
1960 - 1964	13
1965 - 1969	13
1970 - 1974	16
1975 - 1979	18
1980 - 1985	18
Unknown	2



	Students	Regular
2006	11	152
2007	12	156
2008	12	158
2009	20	157
2010 ^{*)}	18	147

^{*)} members not paying for more than 3 years have been barred from the society

The number of our members is almost constant. The drop in 2010 was caused by applying the 3-years rule: barring members for not paying the membership fee for the last 3 years. We are slightly concerned on the high number of members with birthdates between 1945 and 1949, as these members will retire in the near future.



Membership fees 2010

The membership fee for 2010 stays unchanged: **CHF 30** for regular members, CHF 10 for students (up to PhD. candidates, post-docs are regular members).

The fee is already included in the new balance stated on the back of the mailing letter. We may remind you that you also **can pay for up to three years in advance**.

Please pay the full amount due immediately **by bank transfer** to the UBS account:
IBAN CH39 0027 9279 C029 1110 0 , BIC: UBSWCHZH80A

Please avoid cash payments at a post office (PC 80-2-2, UBS Zürich, Account No. 230-C0291110.0) as Postfinance is charging significant handling fees to the society.

Thank you for your cooperation.

Your treasurer,
Michael Hennig

iPhone application simulating planar symmetry groups

Presumably the first e-learning app for crystallographers is now available on AppStore. Baptized Escher Mobile, it simulates the symmetry environment of the 17 two-dimensional (planar) symmetry groups, which can be decorated with various objects according to your own fantasy. Playing the game you will not only enjoy creating colorful designs à la Escher, but also effortlessly master the main crystallographic symmetry concepts, such as symmetry operation, asymmetric unit, general and special positions. Released by the Crystallography Laboratory at EPFL, the app contributes to the promotion of crystallography among youth and contains links to IUCr pamphlets for those who want deeper knowledge. The applet belongs to the family of interactive applets.

To download the app: search for Escher Mobile on AppStore, or visit <http://escher.epfl.ch/iphone/> It is free.

The applet makes part of interactive applets for crystallography developed in LCr:
<http://escher.epfl.ch/>

ESRF young scientist award goes to energy researcher

A more traditional part of the ESRF Users' Meeting is the presentation of the Young Scientist Award. Yaroslav Filinchuk is the recipient of the prize in 2010 for "his outstanding work on the chemistry of solid state hydrides". This Ukrainian chemist has worked at the Swiss–Norwegian Beamline (BM1) at the ESRF since 2006. He is currently a visiting professor at the University of Aarhus (Denmark). When asked about the meaning of the prize, he says: "It means having my research activity of my academic project publicly recognized. Reputation is difficult to build up – it's not just about writing a large amount of papers for publication. I am very pleased that scientists from other areas recognize our work as an achievement in this rapidly developing field of research. It also gives me more confidence and helps me to move forward." More details on the work are given at <http://www.esrf.fr/files/Newsletter/ESRFNewsMar2010.pdf>



Yaroslav Filinchuk, winner of the Young Scientist Award, giving his talk during the Users' Meeting.

Credits: C. Argoud.

The best poster award went to Amélie Juhin, for her poster on "Strong K-edge X-ray Magnetic Circular Dichroism detected by Resonant Inelastic X-ray Scattering".

Two workshops took place the same week as the Users' Meeting: one was on nanobeams and the other on extreme conditions. The latter is very timely, as the preparation for a Partnership for Extreme Conditions is developing swiftly. The Users' Meeting also had a School on Macromolecular Crystallography for the second year in a row.

In memoriam Professor Dr. Jörg Bilgram



Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Zürich, 8. Februar 2010

Ich habe die schmerzliche Pflicht, Sie vom Hinschied von

Prof. Dr. Jörg Bilgram

in Kenntnis zu setzen. Er verstarb am 25. Dezember 2009 in seinem 68. Lebensjahr.

Der Verstorbene trat 1969 als Doktorand am Laboratorium für Festkörperphysik in die ETH Zürich ein, an welchem er nach seiner Dissertation und Habilitation weiter arbeitete. Jörg Bilgram erhielt 1987 die Venia Legendi für das Lehrgebiet Experimentalphysik. In Anerkennung seiner Verdienste wurde ihm 1997 der Titel eines Professors der ETH Zürich verliehen. Er lehrte und forschte bis zu seiner Pensionierung Ende 2006 am Laboratorium für Festkörperphysik der ETH Zürich.

Jörg Bilgram hat mit originellen Experimenten die Phasenumwandlung des Schmelzens und Erstarrens, vor allem mit Hilfe der Lichtstreuung, untersucht. Er war zunächst international bekannt für das Wachstum von hochreinen Eiskristallen, später hat er den Vorgang des Schmelzens von Metalloberflächen untersucht und sich schliesslich eingehend mit dem Wachstum von Dendriten idealer Gase beschäftigt. Die hochpräzisen Experimente seiner Forschungsgruppe trugen wesentlich zum Verständnis dieses industriell wichtigen Prozesses bei. Aufgrund der erzielten Resultate konnten theoretische Modelle dieser Vorgänge markant verbessert werden.

In der Lehre hat er im Rahmen des Unterrichts des Physik Departements sehr erfolgreich viele Jahrgänge von Ingenieurstudierenden in die Grundlagen der Physik eingeführt. Seine eigenen Interessen hat er in Vorlesungen über Phasenumwandlungen, Chaos und Fraktale vermittelt und damit immer wieder Studierende für die Mitarbeit bei seinen Experimenten, sei es in Diplom- oder Doktorarbeiten, begeistert.

Die Angehörigen der ETH Zürich, seine ehemaligen Studierenden wie auch seine Kolleginnen und Kollegen werden ihm ein ehrendes Andenken bewahren.

Der Präsident der ETH Zürich
Ralph Eichler

Die Aussegnung mit anschliessender Urnenbeisetzung findet am Mittwoch, 10. Februar 2010, um 14.30 Uhr im Waldfriedhof Memmingen statt.

**16th International Conference on Crystal Growth (ICCG-16) &
14th International Conference on Vapor Growth and Epitaxy (ICVGE-14)**

Call for Abstracts

On behalf of the Organizing Committee, all the member of the section Crystal Growth & Technology are cordially invited to participate in the 16th International Conference on Crystal Growth (ICCG-16) & 14th International Conference on Vapor Growth and Epitaxy (ICVGE-14).

The 16th International Conference on Crystal Growth (ICCG-16) and the 14th International Conference on Vapor Growth and Epitaxy (I C VGE-14) will be held in Beijing, China from Aug, 8 to 15, 2009, and Minhua Jiang and Chuangtian Chen are serving as the chairs of the conference. Before the conference, the 14th International Summer School (ISSCG-14) will be held on August 1 to 7, 2010 at Dalian, China. This conference is anticipated to attract about 800 participants worldwide.

As the chairman of the conference, it is Prof. Jiang's great pleasure to invite you to participate in this international conference.

The submission deadline of one-page abstract is April 15, 2010. On-Line-Submission via web page is strongly recommended.

More details:

<http://iccg16.tipc.cn/>

<http://www.iocg.org/ICCGupcomingevents.htm>

<http://www.isscg14.org.cn/>

Minhua JIANG, ICCG-16 Chair, Shandong University, China

Chuangtian CHEN, ICCG-16 co-Chair, Chinese Academy of Sciences

Calls for proposals

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

Facility	Deadline(s)	Link
SLS: Swiss Light Source All except PX lines Protein beam lines (PX)	March 15, Sept. 15 Feb. 15, June 15, Oct. 15	user.web.psi.ch user.web.psi.ch
SINQ: Swiss Spallation Neutron Source All instruments (regular calls)	May 15, Nov. 15	user.web.psi.ch
SμS: Swiss Muon Source All instruments	Dec. 5	user.web.psi.ch
ESRF: European Synchrotron All instruments, long term proposals All instruments, short term proposals	Jan. 15 March 1, Sept. 1	www.esrf.eu www.esrf.eu
SNBL: Swiss Norwegian Beam Line	March 1, Sept. 1	www.esrf.eu/ UsersAndScience/ Experiments/ CRG/BM01/
ILL: Institut Laue Langevin All instruments	Sep. 1, 2010	www.ill.eu
FRM II: Heinz Maier-Leibnitz All instruments	Aug. 27, 2010	user.frm2.tum.de

Calendar of forthcoming meetings

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

2010

May 10-14	NIST Gaithersburg USA	Summer School on Methods and Applications of Small Angle Neutron Scattering and Reflectometry http://www.ncnr.nist.gov/summerschool/ss10 .	closed
May 24-30	Villigen CH	PSI Powder Diffraction Summer School	closed
May 30 – June 2	Lviv Ukraine	XI International conference on crystal chemistry on intermetallic compounds http://www.franko.lviv.ua/conference/imc/	March 1, 2010
June 3-13	Erice Italy	International School of Crystallography www.ccsem.infn.it	Nov. 30, 2009
June 21- 22	Basel CH	SPS Annual Meeting http://www.sps.ch/events/spg_jahrestagung_2010/	closed
June 21 – July 2	Nancy France	Summer Schools on Mathematical Crystallography Nancy, France, 21 June - 2 July 2010 http://www.crystallography.fr/mathcryst/nancy2010.php	June 15, 2010
July 4-9	Sorrento Italy	16 th International Zeolithe Conference http://www.iza-online.org/ConfSched.htm	to be announced
July 10-18	Sofia Bulgaria	8th International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites http://www.zeolite2010.org/	
Aug. 1-7	Dalian China	14th International Summer School on Crystal Growth (ISSCG-14), http://www.isscg14.org.cn	
Aug. 8-15	Zuoz CH	9 th PSI Summer School on Condensed Matter Physics: Magnetic Phenomena	April 30 (Pract.), June 15, 2010
Aug 16-20	Fribourg CH	XXth Conference on the Jahn-Teller-Effect, www.unifr.ch/jt2010	May 19, 2010
Aug. 22-26	Villars-sur Ollon, CH	CUSO Villars Summer School in Materials "From Structure to Function in Nanomaterials" http://www.chem.unifr.ch/kf/villars%20copy/index.html	May 15, 2010
Aug. 27-30	Darmstadt Germany	EPDIC-12 http://www.epdic12.org/	15. April 2009
Aug. 27 – 28	Darmstadt Germany	ECM-26, Satellite Conference www.crystallography.fr/mathcryst/darmstadt2010.php	15. April 2009
Aug. 29 – Sept. 3	Darmstadt Germany	ECM-26 http://ecm26.ecanews.org/	15. April 2009
Sept. 16	Zürich CH	SCS Fall Meeting, Swiss Chemical Society http://www.scg.ch/x_data/event_pdf/FM10_Poster.pdf	18. April 2009
Sept. 17 (NEW DATE)	Genève CH	SGK/SSCr Annual Meeting http://diffraction.web.psi.ch/sgk-sscr-2010.htm	31. July 2010
Nov. 22-27	Puebla Mexico	International Schools on Mathematical Crystallography http://www.crystallography.fr/mathcryst/LatinAmericaSchools2010.php	to be announced
Nov. 29 – Dec. 3	Montevideo Uruguay	International Schools on Mathematical Crystallography http://www.crystallography.fr/mathcryst/LatinAmericaSchools2010.php	to be announced

2011

July 17-21	Prague Czech Rep	5 th European Conference on Neutron Scattering http://www.ecns2011.org	to be announced
Aug. 22-29	Madrid Spain	IUCr-2011, 22 nd General Assembly and Congress of IUCr http://www.iucr.org/iucr/cong/iucr-xxii	to be announced
to be decided	Zürich CH	The Zurich School of Crystallography: Bring Your Own Crystal, http://www.oci.uzh.ch/diversa/xtal_school/	to be announced

2012

Aug/Sept.	Bergen Norway	ECM-27	to be announced
April 29- May 4	Vancouver Canada	ARRS 2012 – Meeting of the American Roentgen Ray Society	to be announced
to be decided	Villigen CH	PSI Powder Diffraction Summer School	to be announced

2013

	Moscow Russia	17 th International Zeolithe Conference	to be announced
April 14-19	Washington DC, USA	ARRS 2013 – Meeting of the American Roentgen Ray Society	to be announced
to be decided	Zürich CH	The Zurich School of Crystallography: Bring Your Own Crystal, http://www.oci.uzh.ch/diversa/xtal_school/	to be announced
to be decided		ECM-28	to be announced

2014

August	Montreal Canada	IUCr-2011, 23 rd General Assembly and Congress of IUCr http://www.iucr.org/iucr/cong/iucr-xxiii	to be announced
to be decided	Villigen CH	PSI Powder Diffraction Summer School	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). For new members, the membership is free until the end of 2007. Please note: SGK/SSCr members can also apply to be a member of the subsection crystal growth (no additional charge) or for individual membership of the European Crystallographic Association, ECA (additional charge: 10 Euro).

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

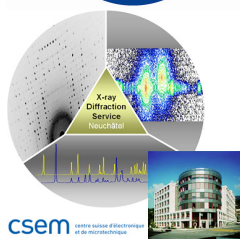
Name	
Given name	
Title	
Institution	
Street	
Box/building	
ZIP Code	
Town	
Country	
Phone office	+ ()
Fax office	+ ()
Phone private	+ ()
Mobile phone	+ ()
E-Mail	@
Interest	
Membership subsection crystal growth	Yes () No ()
Birth date	Day: Month: Year:
Language(s)	
Major research interests	
Highest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

Date: Place:

Signature:

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Schweizerische Gesellschaft für Kristallographie
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Membres du Comité pour la période 2009 – 2012

Présidente

Prof. Dr. Katharina Fromm

Département de Chimie
Chemin du Musée 9
CH-1700 Fribourg
Tél.: +41 26 300 8732 Fax: +41 26 300 9738
e-mail: KATHARINA.FROMM@UNIFR.CH

Vice-Président

Prof. Dr. Marc Schiltz

Laboratoire de Cristallographie 2
BSP 514
Bâtiment Science Physique UNIL
CH-1015 Lausanne
Tél.: +41 21 693 06 31 Fax: .. 05 04
e-mail: MARC.SCHILTZ@EPFL.CH

Secrétaire

Dr. Jürg Schefer

Laboratorium für Neutronenstreuung
ETH Zürich & Paul Scherrer Institut, WHGA-244
CH-5232 Villigen PSI
Tél.: +41 56 310 43 47 Fax: +41 56 310 31 91
e-mail: JURG.SCHEFER@PSI.CH

Trésorier

PD Dr. Michael Hennig

F. Hoffmann - La Roche
Pharma Research 65/319
CH-4070 Basel
Tél.: +41 61 688 60 46 Fax: +41 61 688 74 08
e-mail: MICHAEL.HENNIG@ROCHE.COM

Prof. Dr. Klaus Yvon

Laboratoire de Cristallographie
Université de Genève
24, Quai Ernest Ansermet
CH-1211 Genève 4
Tél.: +41 22 379 62 31 FAX .. 69 06
e-mail: KLAUS.YVON@UNIGE.CH

Prof. Dr. W. Steurer

Laboratorium für Kristallographie
ETH Zürich
HCI G 511, Wolfgang-Pauli-Str. 10
CH-8093 Zürich
Tél.: +41 44 632 66 50
Fax: +41 44 632 11 33
e-mail: STEURER@MAT.ETHZ.CH

Auditors:

Ch. Bärlocher (ETH Zürich), K. Schenk (EPF Lausanne)

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Editor : Dr. Jürg Schefer
Laboratory for Neutron Scattering
ETH Zürich & Paul Scherrer Institut
Building WHGA-244
CH-5232 Villigen PSI, Switzerland

e-mail: Jurg.Schefer@psi.ch

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

SGK/SSCr, CH-1211 Genève

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