



Second Announcement

March 02 - March 09, 2013

Hotel Sonnalp - Kirchberg in Tirol - Austria

Chair persons

C. Thomsen (*Institut für Festkörperphysik, TU Berlin, DE*)

A. Hirsch (*Institut für Organische Chemie, Uni Erlangen, DE*)

H. Kuzmany (*Fakultät für Physik, Uni Wien, AU*)

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S. Roth (*Korea University, School of Electrical Engineering, WCU Flexible Nanosystems, KR*)

Program committee

E. Andrei (<i>US</i>)	H. Kuzmany (<i>AT</i>)	A. Rubio (<i>ES</i>)
A. Bachtold (<i>ES</i>)	Y. H. Lee (<i>KR</i>)	P. Rudolf (<i>NL</i>)
P. Dinse (<i>DE</i>)	A. Loiseau (<i>FR</i>)	C. Schönenberger (<i>CH</i>)
M. Dresselhaus (<i>US</i>)	F. Mauri (<i>FR</i>)	P. Sheng (<i>CN</i>)
L. Forro (<i>CH</i>)	K. S. Novoselov (<i>UK</i>)	N. Shinohara (<i>JP</i>)
T. F. Heinz (<i>US</i>)	E. Obraztsova (<i>RU</i>)	C. Stampfer (<i>DE</i>)
A. Hirsch (<i>DE</i>)	A. Penicaud (<i>FR</i>)	Z. K. Tang (<i>CN</i>)
S. Iijima (<i>JP</i>)	Th. Pichler (<i>AT</i>)	C. Thomsen (<i>DE</i>)
A. Jorio (<i>BR</i>)	S. Reich (<i>DE</i>)	A. Zettl (<i>US</i>)
H. Kataura (<i>JP</i>)	J. Robertson (<i>UK</i>)	
L. P. Kouwenhoven (<i>NL</i>)	S. Roth (<i>DE</i>)	

Time and Location

The XXVIIth winterschool will be conducted from **March 02 to March 09, 2013** at the Hotel Sonnalp in Kirchberg in Tirol, Austria. All participants of the winterschool will be accommodated in the hotel or in nearby hotels/private houses. Dinner will be served for all participants at the hotel. The Hotel Sonnalp is a modern, Tyrolean style building with a very cosy atmosphere, a big lecture room and several special installations like indoor swimming pool, sauna, solarium, etc. for your recreation.

Scope

The Winterschool will provide a platform for reviewing and discussing new developments in the field of electronic properties of molecular nanostructures and their applications.

Subjects included are:

- Materials science of graphene and nanographene
- Carbon nanotube / graphene optics and electronics
- Carbon nanotube / graphene growth and selection
- Single-molecule experiments
- Applications of molecular nanostructures
- Theory of molecular nanostructures
- Biomolecule physics and applications
- Nanostructure spintronics
- Novel two-dimensional materials

Theoretical and experimental contributions from research work in this new field of materials science are welcome.

Invited Speakers

D. Abanin (<i>Princeton, US</i>)	T. Heinz (<i>New York, US</i>)	E. Obraztsova (<i>Moscow, RU</i>)
M. Allen (<i>Boston, US</i>)	M. Hersam (<i>Evanston, US</i>)	Y. Ohno (<i>Nagoya, JP</i>)
R. Arenal (<i>Zaragoza, ES</i>)	J. Hone (<i>New York, US</i>)	M. Orlita (<i>Grenoble, FR</i>)
K. Bolotin (<i>Nashville, US</i>)	M. Kalbac (<i>Prague, CZ</i>)	A. Penicaud (<i>Bordeaux, FR</i>)
M. Buitelaar (<i>Cambridge, UK</i>)	H. Kataura (<i>Tsukuba, JP</i>)	D. Ricci (<i>Genova, IT</i>)
S. Cambré (<i>Antwerp, BE</i>)	L. Kavan (<i>Prague, CZ</i>)	A. Rubio (<i>San Sebastian, ES</i>)
B. Dora (<i>Budapest, HU</i>)	J. Kim (<i>Oxford, UK</i>)	S. Sato (<i>Tsukuba, JP</i>)
G. Duesberg (<i>Dublin, IE</i>)	I. Kolaric (<i>Stuttgart, DE</i>)	J. Sauvajol (<i>Montpellier, FR</i>)
L. Dunsch (<i>Dresden, D</i>)	V. Krstic (<i>Dublin, IE</i>)	M. Schmid (<i>Wiesbaden, DE</i>)
X. Feng (<i>Mainz, DE</i>)	J. Kürti (<i>Budapest, HU</i>)	P. Seneor (<i>Palaiseau, FR</i>)
A. Fontcuberta i Morral (<i>Lausanne, CH</i>)	G. Le Lay (<i>Marseille, FR</i>)	U. Starke (<i>Stuttgart, DE</i>)
L. Forro (<i>Lausanne, CH</i>)	M. Lemme (<i>Stockholm/Siegen, SE/DE</i>)	C. Strunk (<i>Regensburg, DE</i>)
K. Franke (<i>Berlin, DE</i>)	S. Louie (<i>Berkeley, US</i>)	R. Tykwinski (<i>Erlangen, DE</i>)
S. Garaj (<i>Singapore, SG</i>)	A. Luican-Mayer (<i>Chicago, US</i>)	J. Velasco (<i>Berkeley, US</i>)
J. Goldberger (<i>Ohio, US</i>)	S. Maruyama (<i>Tokyo, JP</i>)	H. Weber (<i>Erlangen, DE</i>)
R. Gorbachev (<i>Manchester, UK</i>)	M. Mayor (<i>Basel, CH</i>)	M. Wimmer (<i>Leiden, NL</i>)
M. Hasan (<i>Princeton, US</i>)	P. McEuen (<i>Ithaca, US</i>)	K. Yanagi (<i>Tokyo, JP</i>)
S. Heeg (<i>Berlin, DE</i>)	A. Mews (<i>Hamburg, DE</i>)	A. Zettl (<i>Berkeley, US</i>)

* speakers whose attendance has yet to be confirmed

Invited lectures will be scheduled in the morning from 8:30 to 12:00 and in the evening after 18:30. The afternoon will be used for mini workshops or private discussions.

Attendance

If you would like to apply for participation in the upcoming winterschool, please create an account at:

http://www.iwepnm.org/2013/new_account

After creating your account, to apply for participation, you will need to choose your preferred accommodation and submit an abstract until **January 04, 2013**.

Early submission of application is recommended. The number of participants will be strictly limited. Applicants submitting a contribution will be considered with preference. Applicants will be notified about acceptance by **January 18, 2013**.

Abstracts and contributed papers

Contributed papers covering the research topics of the winterschool will be scheduled as 30-minute research lectures or as posters. The time for research lectures includes 10 minutes for discussion.

Proceedings

Camera-ready manuscripts of invited and contributed papers are scheduled for publication. Detailed information will be forwarded to the contributors.

Accommodation

The winterschool includes your accommodation. Therefore you will be required to choose your preferred accommodation category when applying for participation. Three categories of accommodation are available:

- A: Bed in a twin or double room at the Hotel Sonnalp or a nearby hotel for 1040€.
- B: Bed in a three-bed room at the Hotel Sonnalp for 890€.
- C: Bed in a twin or double room with private bath in a nearby bed and breakfast place for 790€.

The prices include accommodation, breakfast and dinner, the proceedings, and the contribution for participation. The latter amounts to 450€.

A very limited number of single rooms in category A hotels will be available for an extra charge of 330€ (category S).

The additional costs for accompanying persons (i.e. persons *not participating in the scientific part of the conference*) are 670€ in category A, 520€ in category B and 420€ in category C. Depending on availability we might be able to offer a small number of family rooms (i.e. with more than three beds).

If you'd like to receive free child care for accompanying children during conference sessions, please let us know during the registration process.

The fee will be due immediately after notification of acceptance.

Travel



Kirchberg in Tirol can easily be reached by train or by car. It is situated on the main railway line from Vienna to Innsbruck and quite close to the Autobahn Munich - Innsbruck. The closest international airports are Munich (170 km), Salzburg (80 km) and Innsbruck (90 km).