

International Winterschool on Electronic Properties of Novel Materials



Second Announcement

March 17 - March 24, 2018

Hotel Sonnalp - Kirchberg in Tirol - Austria

Chair persons

J. Maultzsch (Institut für Festkörperphysik, Friedrich-Alexander-Universität Erlangen-Nürnberg, DE)

C. Thomsen (Institut für Festkörperphysik, Technische Universität Berlin, DE)

A. Hirsch (Institut für Organische Chemie, Friedrich-Alexander-Universität Erlangen-Nürnberg, DE)

S. Reich (Fachbereich Physik, Freie Universität Berlin, DE)

Program committee

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|-------------------------|-----------------------------|------------------------------|
| E. Andrei (US) | H. Kuzmany (AT) | S. Reich (DE) |
| A. Bachtold (ES) | Y. H. Lee (KR) | J. Robertson (UK) |
| H. M. Cheng (CN) | A. Loiseau (FR) | S. Roth (DE) |
| P. Dinse (DE) | S. Maruyama (JP) | A. Rubio (ES) |
| J. Fink (DE) | J. Maultzsch (DE) | P. Rudolf (NL) |
| L. Forro (CH) | F. Mauri (IT) | C. Schönenberger (CH) |
| M. Fuhrer (AU) | G. Mele (US) | P. Sheng (CN) |
| T. F. Heinz (US) | K. S. Novoselov (UK) | F. Simon (HU) |
| A. Hirsch (DE) | E. Obraztsova (RU) | C. Stampfer (DE) |
| A. Jorio (BR) | A. Penicaud (FR) | M. Strano (US) |
| H. Kataura (JP) | Th. Pichler (AT) | A. Swan (US) |
| R. Krupke (DE) | M. Prato (IT) | A. Zettl (US) |

Time and Location

The XXXIInd winterschool will be conducted from **March 17 to March 24, 2018** 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.

The scope of the winterschool covers experimental and theoretical work in the following fields:

- materials science of graphene and nanographene
- novel two-dimensional materials
- carbon nanotube / graphene optics and electronics
- carbon nanotube / graphene growth and selection
- theory of novel materials
- applications of novel materials
- nanostructure spintronics
- topological insulators
- single-molecule experiments

Invited speakers

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|---------------------------------------|------------------------------------|--------------------------------------|
| C. Backes (Heidelberg, DE) | S. Haigh (Manchester, UK) | A. Popov (Dresden, DE) |
| L. Banszerus (Aachen, DE) | T. Higuchi (Erlangen, DE) | M. Pumera (Singapore, SG) |
| S. Berciaud (Strasbourg, FR) | T. Ihn (Zürich, CH) | P. Ruffieux (Dübendorf, CH) |
| K. Bolotin (Berlin, DE) | Y. Jiang (Piscataway, US) | R. Saito (Tohoku, JP) |
| L. Cancado (Minas Gerais, BR) | E. Joselevich (Rehovot, IL) | R. Sakamoto (Tokyo, JP) |
| H. Cheng (Shenyang, CN) | J. Kim (Boston, US) | G. Scalia (Luxembourg, LU) |
| H. Cheong (Seoul, KR) | A. Knorr (Berlin, DE) | C. Schneider (Würzburg, DE) |
| A. Chernikov (Regensburg, DE) | F. Koppens (Barcelona, ES) | R. Senga (Tsukuba, JP) |
| D. Cobden (Seattle, US) | M. Kroner (Zurich, CH) | K. Suenaga (Tsukuba, JP) |
| D. Di Sante (Würzburg, DE) | A. Krüger (Würzburg, DE) | T. Susi (Vienna, AT) |
| C. Felser (Dresden, DE) | A. Kuc (Leipzig, DE) | S. van der Molen (Leiden, NL) |
| B. Flavel (Karlsruhe, DE) | M. Lagos (Hamilton, CA) | C. Voisin (Paris, FR) |
| L. Forro (Lausanne, CH) | J. Lauret (Orsay, FR) | W. Wenseleers (Antwerp, BE) |
| M. Ganzhorn (Zurich, CH) | Y. Li (Beijing, CN) | L. Wirtz (Luxembourg, LU) |
| M. Glazov (St. Petersburg, RU) | S. Louie (Berkeley, US) | S. Wu (Boston, US) |
| I. Grigorieva (Manchester, UK) | F. Mauri (Rome, IT) | J. Zaumseil (Heidelberg, DE) |
| A. Grueneis (Cologne, DE) | M. Morgenstern (Aachen, DE) | |
| N. Hadrup (Copenhagen, DK) | L. Peng (Beijing, CN) | |

* 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/new_account

After creating your account, to apply for participation, you will need to choose your preferred accommodation and submit an abstract until **January 10, 2018**.

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 24, 2018**.

Abstracts and contributed papers

Contributed papers covering the research topics of the winterschool will be scheduled as posters. Invited research lectures are scheduled for 30 minutes, including 10 minutes for discussion.

Conference Publication

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 480 €.
- B: Bed in a three-bed room at the Hotel Sonnalp for 310 €.
- C: Bed in a twin or double room with private bath in a nearby bed and breakfast place for 200 €.

These prices include accommodation and breakfast for the conference week.

The conference fee amounts to 600 €. The conference fee includes the participation fee, the conference publication, coffee breaks, and dinner (including one beverage) at Hotel Sonnalp for the conference week.

A limited number of single rooms in category A hotels will be available for an extra charge of 450 € (category S).

The additional total costs for accompanying persons (i.e. persons *not participating in the scientific part of the conference*) are 710 € in category A, 540 € in category B and 430 € 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).

The fee will be due immediately after notification of acceptance.

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

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).