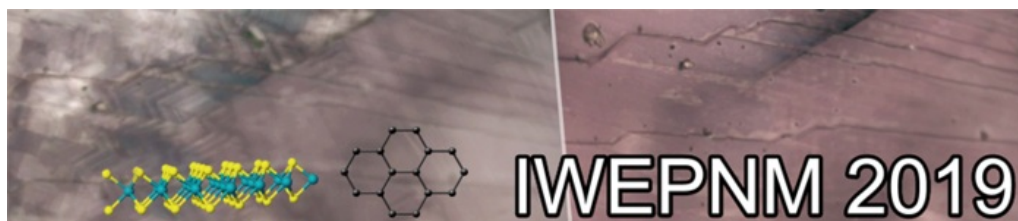


# International Winterschool on Electronic Properties of Novel Materials



## Second Announcement

March 9 - March 16, 2019

Hotel Sonnalp - Kirchberg in Tirol - Austria

## Chair persons

**J. Maultzsch** (Department Physik, Friedrich-Alexander-Universität Erlangen-Nürnberg, DE)

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

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

**C. Stampfer** (2nd Institute of Physics A, RWTH Aachen Universität, DE)

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

## Program committee

<b>E. Andrei</b> (US)	<b>Y. H. Lee</b> (KR)	<b>S. Roth</b> (DE)
<b>A. Bachtold</b> (ES)	<b>A. Loiseau</b> (FR)	<b>P. Rudolf</b> (NL)
<b>H. M. Cheng</b> (CN)	<b>S. Maruyama</b> (JP)	<b>C. Schönenberger</b> (CH)
<b>J. Fink</b> (DE)	<b>J. Maultzsch</b> (DE)	<b>P. Sheng</b> (CN)
<b>L. Forro</b> (CH)	<b>F. Mauri</b> (IT)	<b>F. Simon</b> (HU)
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<b>T. F. Heinz</b> (US)	<b>E. Obraztsova</b> (RU)	<b>A. Swan</b> (US)
<b>A. Hirsch</b> (DE)	<b>A. Penicaud</b> (FR)	<b>C. Voisin</b> (FR)
<b>A. Jorio</b> (BR)	<b>Th. Pichler</b> (AT)	<b>J. Zaumseil</b> (DE)
<b>H. Kataura</b> (JP)	<b>M. Prato</b> (IT)	<b>A. Zettl</b> (US)
<b>R. Krupke</b> (DE)	<b>S. Reich</b> (DE)	
<b>H. Kuzmany</b> (AT)	<b>J. Robertson</b> (UK)	

## Time and Location

The XXXIII<sup>rd</sup> winterschool will be conducted from **March 9 to March 16, 2019** 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, nanographene, and carbon nanotubes
- novel two-dimensional materials
- optics, electronics, growth, and selection of carbon nanotubes and graphene
- theory of novel materials
- applications of novel materials
- nanostructure spintronics
- topological materials
- plasmonic nanostructures
- single-molecule experiments

# Invited speakers

<b>G. Abellan</b> ( <i>Erlangen / Valencia, DE / ES</i> )	<b>A. Fontcuberta i Morral</b> ( <i>Lausanne, CH</i> )	<b>M. Koperski</b> ( <i>Manchester, UK</i> )
<b>S. Adam</b> ( <i>Singapore, SG</i> )	<b>L. Golub</b> ( <i>St. Petersburg, RU</i> )	<b>T. Korn</b> ( <i>Rostock, DE</i> )
<b>J. Ahn</b> ( <i>Suwon, KR</i> )	<b>M. Grifoni</b> ( <i>Regensburg, DE</i> )	<b>R. Krupke</b> ( <i>Karlsruhe / Darmstadt, DE</i> )
<b>E. Andrei</b> ( <i>Piscataway, US</i> )	<b>I. Grigorieva</b> ( <i>Manchester, UK</i> )	<b>G. Kukucska</b> ( <i>Budapest, HU</i> )
<b>A. Bachtold</b> ( <i>Barcelona, ES</i> )	<b>M. Harats</b> ( <i>Berlin, DE</i> )	<b>X. Marie</b> ( <i>Toulouse, FR</i> )
<b>P. Barone</b> ( <i>Rome, IT</i> )	<b>S. Heeg</b> ( <i>Zurich, CH</i> )	<b>C. Mattevi</b> ( <i>London, UK</i> )
<b>E. Besley</b> ( <i>Nottingham, UK</i> )	<b>T. Heine</b> ( <i>Dresden, DE</i> )	<b>Y. Miyauchi</b> ( <i>Kyoto, JP</i> )
<b>C. Bichara</b> ( <i>Marseille, FR</i> )	<b>T. Heinz</b> ( <i>Stanford, US</i> )*	<b>A. Mugarza</b> ( <i>Barcelona, ES</i> )
<b>G. Borin-Barin</b> ( <i>Dübendorf, CH</i> )	<b>R. Hillenbrand</b> ( <i>San Sebastian, ES</i> )	<b>H. Nerl</b> ( <i>Dublin, IR</i> )
<b>C. Brabec</b> ( <i>Erlangen, DE</i> )	<b>P. Hommelhoff</b> ( <i>Erlangen, DE</i> )	<b>T. Pichler</b> ( <i>Vienna, AT</i> )
<b>Y. Cao</b> ( <i>Boston, US</i> )	<b>J. Hone</b> ( <i>New York, US</i> )	<b>D. Prezzi</b> ( <i>Modena, IT</i> )
<b>C. Casiraghi</b> ( <i>Manchester, UK</i> )	<b>L. Hornekaer</b> ( <i>Aarhus, DK</i> )	<b>P. Rickhaus</b> ( <i>Zurich, CH</i> )
<b>W. de Heer</b> ( <i>Atlanta, US</i> )	<b>A. Jorio</b> ( <i>Belo Horizonte, BR</i> )	<b>S. Ryu</b> ( <i>Pohang, KR</i> )
<b>C. de Matos</b> ( <i>Sao Paulo, BR</i> )	<b>U. Kaiser</b> ( <i>Ulm, DE</i> )	<b>A. Szameit</b> ( <i>Rostock, DE</i> )
<b>M. Drndic</b> ( <i>Philadelphia, US</i> )	<b>H. Kim</b> ( <i>Hamburg, DE</i> )	<b>R. Verbiest</b> ( <i>Delft, NL</i> )
<b>S. Eigler</b> ( <i>Berlin, DE</i> )	<b>A. Kis</b> ( <i>Lausanne, CH</i> )	<b>H. Wang</b> ( <i>Halle, DE</i> )
<b>J. Fabian</b> ( <i>Regensburg, DE</i> )	<b>D. Klein</b> ( <i>Boston, US</i> )	<b>O. Yaffe</b> ( <i>Rehovot, IL</i> )
<b>X. Feng</b> ( <i>Dresden, DE</i> )	<b>J. Kono</b> ( <i>Houston, US</i> )	<b>A. Zettl</b> ( <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:

[https://www.iwepnm.org/new\\_account](https://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 8, 2019**.

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 22, 2019**.

## 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

The research discussed in Kirchberg will be published in a special issue of *physica status solidi* and other journals by Wiley-VCH. All participants are strongly encouraged to submit a contribution to this issue. Details will be announced at the meeting.

## 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 490 €.
- 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 210 €.

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.

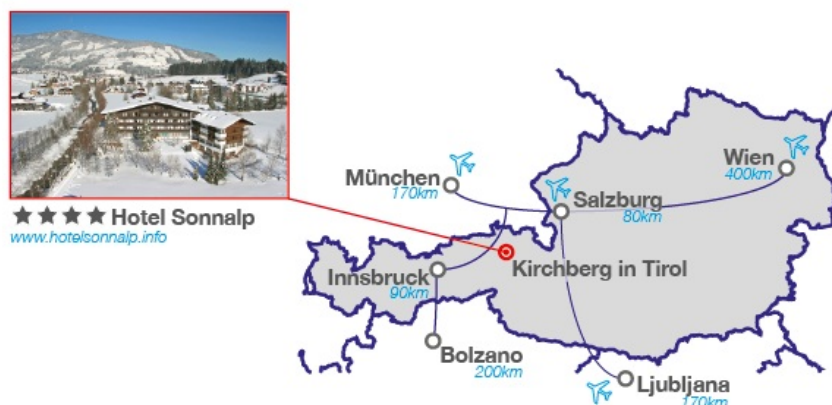
A limited number of single rooms in category A hotels will be available for an extra charge of 450 € (category S).

The additional total costs for accompanying persons (i.e. persons *not participating in the scientific part of the conference* ) are 720 € in category A, 540 € in category B and 440 € 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).