

# International Winterschool on Electronic Properties of Novel Materials



## First 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](#))  
**S. Reich** ([Fakultät für Physik, FU Berlin, DE](#))  
**S. Roth** ([Korea University, School of Electrical Engineering, WCU Flexible Nanosystems, KR](#))

## Programm committee

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

## 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.

## Time and Location

The XXVII<sup>th</sup> 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.



## Further Information

Tutorials, research lectures and poster presentations will be scheduled for morning and evening sessions. The afternoon will be free for mini workshops, special tutorials and private discussions. A second announcement will be distributed to interested colleagues in October 2012. Personal application for participation will be required. For current information please visit our website:

[www.iwepnm.org](http://www.iwepnm.org)