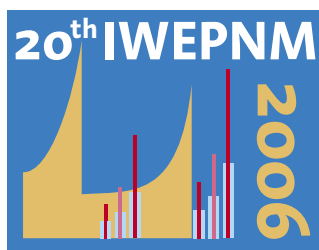


**XXth INTERNATIONAL WINTERSCHOOL**  
**on**  
**ELECTRONIC PROPERTIES**  
**of**  
**NOVEL MATERIALS**  
**EUROCONFERENCE**



**MOLECULAR NANOSTRUCTURES**

**04. 03. - 11. 03. 2006**

**HOTEL SONNALP • KIRCHBERG / TIROL • AUSTRIA**

**SECOND ANNOUNCEMENT**

## CHAIRMEN

---

H. Kuzmany (Wien)

P. Dinse (Darmstadt)

S. Roth (Stuttgart)

C. Thomsen (Berlin)

## PROGRAM COMMITTEE

---

A. Bachtold (E)

A.N. Cleland (US)

P. Dinse(D)

M. Dresselhaus (US)

J. E.Fischer (US)

L. Forro (CH)

A. Hirsch (D)

S. Iijima (JP)

H. Kataura (JP)

P. Kouwenhoven (NL)

H. W. Kroto (UK)

H. Kuzmany (A)

A. Loiseau (F)

S. Louie (US)

M. Mehring (D)

E. Obraztsova (RU)

Th. Pichler (D)

J. Robertson (UK)

A. Rubio (E)

S. Roth (D)

P. Rudolf (NL)

C. Schönenberger (CH)

C. Thomsen (D)

A. Zettl (US)

## 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:

- Carbon nanotubes growth and selection
- Carbon nanotube optics and electronics
- Carbon nanotube spectroscopy
- Molecular nanostructure transport and spintronics
- Theory of molecular nanostructures
- Applications of molecular nanostructures
- Molecular nanostructure composites
- Molecular nanostructure chemistry
- Template grown molecular nanomaterials
- Single molecule experiments

Theoretical and experimental contributions from research work in this exciting field of material science are welcome.

A special workshop will be arranged on requirements and requests for the application of molecular nanostructures from the point of view of industry.

## TIME AND LOCATION

---

The winterschool will be conducted from

**March 4 to March 11, 2006**

at the HOTEL SONNALP in Kirchberg / Tirol, Austria.

All participants of the winterschool will be accommodated in the hotel or in nearby private houses.

Dinner will be served for all participants at the hotel. The Hotel Sonnalp is a modern, Tirolean style building with a very cozy atmosphere, a big lecture room and several special installations like indoor swimming pool, sauna, solarium, etc. for your recreation.

## PROGRAM

---

The Winterschool will start with an introductory part and then cover the following sessions:

- material science of carbon nanotubes
- transport & spin systems
- theory of molecular nanostructures
- applications of molecular nanostructures
- optics and spectroscopy of molecular nanostructures
- single molecule experiments

There will be a special session on the occasion of the 20th IWEPNM event in Kirchberg.

## PRELIMINARY LIST OF INVITED SPEAKERS

---

H. Alloul (Orsay)	S. Iijima (Nagoya)	T. Pichler (Dresden)
E. Artukovic (Los Angeles)	A.T. Johnson (Philadelphia)	V. Prinz (Novosibirsk)
Ph. Avouris (Yorktown Heights)	A. Jorio (Belo Horizonte)	S. Reich (Cambridge)
A. Bachtold (Barcelona)	C. Kane (Philadelphia)	A. Rubio (San Sebastian)
R. Baughman (Dallas)	P. Kim (New York)	P. Rudolf (Groningen)
J. Carlsson (Berlin)	J. Kong (Cambridge, MA)	M. Rümeli (Dresden)
D. Carroll (North Carolina)	J. Kono (Houston)	R. Schlögl (Berlin)
G. Duesberg (Dresden)	L. Kouwenhoven (Delft)	Ch. Schönenberger (Basel)
A. Ferrari (Cambridge, UK)	A. Loiseau (Chatillon)	F. Simon (Budapest)
L. Forro (Lausanne)	S. Louie (Berkeley)	J. Sloan (Oxford)
M. Fujii (Kyushu)	M. Machon (Berlin)	C. Strunk (Regensburg)
M.S. Fuhrer (Maryland)	S. Maruyama (Tokyo)	K. Suenaga (Nagoya)
J. Haruyama (Aoyama Gaku)	J. Maultzsch (Berlin)	H. Van der Zant (Delft)
K. Hata (Tsukuba)	J. Meyer (Stuttgart)	F. Von Oppen (Berlin)
T. Heinz (New York)	L. Novotny (Rochester)	B. Weisman (Houston)
T. Hertel (Vanderbilt)	F. Papadimitrakopoulos (Storrs)	N. Wong (Stanford)
A. Hirsch (Erlangen)	S. Pekker (Budapest)	A. Yacoby (Rehovot)
B. Hornbostel (Stuttgart)	R. Pfeiffer (Wien)	

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.

In addition to the list above several other scientists are in the process of being invited or will be invited according to the submitted abstracts.

## CONTRIBUTED PAPERS

---

Contributed papers covering the research field outlined on page 2 and 3 will be scheduled as 30 minutes research lectures or as posters. The time for research lectures includes 10 minutes for discussion.

Abstracts for contributed papers must be received before JANUARY 5, 2006 together with an informal application for participation.

All abstracts for must be submitted by internet using the application form at:

**<http://www.univie.ac.at/spectroscopy/iwep.htm>**

## PROCEEDINGS

---

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

## ATTENDANCE

---

An informal application for participation at the Winterschool must be submitted by internet at: <http://www.univie.ac.at/spectroscopy/iwep.htm>

Applications should be submitted as soon as possible and must be received not later than

**JANUARY 5, 2006**

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 their acceptance by January 11, 2006.

## TRAVEL

---

Kirchberg is easily reached by train or by car. It is situated on the main railway line from Vienna to Innsbruck and quite close to the Autobahn München - Innsbruck. The closest international airports are München (80 km), Salzburg (80 km) and Innsbruck (70 km). Please remember that the winter in Tirol can be quite cold.

## FURTHER INFORMATION

---

Requests and further information should be sent to:

Prof. Hans Kuzmany  
Fakultät für Physik,  
Universität Wien

Strudlhofgasse 4,  
A-1090 Wien, AUSTRIA

Tel.: ++43 1 4277 - 51306

FAX: ++43 1 4277 - 51375

email: [hans.kuzmany@univie.ac.at](mailto:hans.kuzmany@univie.ac.at)

<http://www.univie.ac.at/spectroscopy/iwep.htm>

For accommodation two categories will be available:

A: twin room with bath, etc., at the Hotel Sonnalp or Hotel Taxacher.

B: three-bed room as in category A or twin room in private accommodation

Please choose your category. The final decision will be made by the organizers.

## FEES

---

The fees for the Winterschool are

€ 760,- cat. A

€ 620,- cat. B

which includes accommodation, breakfast and dinner, the proceedings and the contribution for participation. The latter amounts to 370,- €. A very limited number of single rooms will be available for an extra charge of € 170,- (cat.A) and € 80 (cat.B). The fee will be due immediately after notification of acceptance. Application for financial support including information about the scientific status and age of the applicant should be submitted together with the application for participation. Financial support will be provided for students and invited speakers.



This Winterschool will be conducted as a Euro conference

