XXIIIrd INTERNATIONAL WINTERSCHOOL
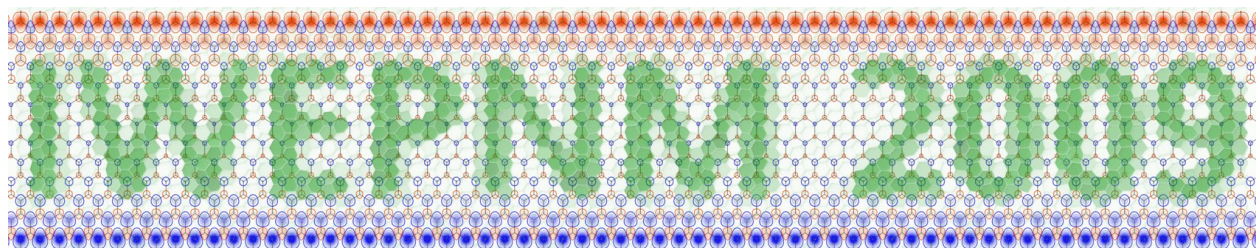## on
ELECTRONIC PROPERTIES
of
NOVEL MATERIALS

MOLECULAR NANOSTRUCTURES

March 07 - March 14, 2009

HOTEL SONNALP - KIRCHBERG / TIROL - AUSTRIA

SECOND ANNOUNCEMENT

Chairmen

C. Thomsen (Berlin)
P. Dinse (Darmstadt)
H. Kuzmany (Wien)
S. Roth (Stuttgart)

Program Committee

A. Bachtold (ES)
P. Dinse (DE)
M. Dresselhaus (US)
S. Fan (CN)
J. E. Fischer (US)
L. Forro (CH)
T. F. Heinz (US)
A. Hirsch (DE)
S. Iijima (JP)
H. Kataura (JP)
P. Kouwenhoven (NL)
H. W. Kroto (UK)
H. Kuzmany (AU)
Y. H. Lee (KR)
A. Loiseau (FR)

F. Mauri (FR)
M. Mehring (DE)
K. S. Novoselov (UK)
E. Obraztsova (RU)
Th. Pichler (AU)
J. Robertson (UK)
A. Rubio (ES)
S. Roth (DE)
P. Rudolf (NL)
C. Schönenberger (CH)
N. Shinohara (JP)
Z. K. Tang (CN)
C. Thomsen (DE)
A. Zettl (US)
D. Zhu (CN)

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 nanoribbons
- Carbon nanotube optics and electronics
- Carbon nanotube growth and selection
- Single-molecule experiments
- Applications of molecular nanostructures
- Theory of molecular nanostructures
- Biomolecule physics and applications
- Nanostructure spintronics

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

Time and Location

The winterschool will be conducted from

March 07 to March 14, 2009

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, 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.

List of Invited Speakers

Ambrosch-Draxl, C. (Leoben)
Andrei, E. (Piscataway)
Attacalite, C. (San Sebastian)
Baughman, R.H. (Dallas)
Boehme, C. (Utah)
Bruinick, A. (St. Gallen)
Carroll, D. (Winston-Salem)
Damnjanovic, M. (Belgrade)
Dora, B. (Dresden)
Duesberg, G.S. (Dublin)
Fan, Y. (Tsinghua)
Ferrari, A. (Cambridge)
Fuhrer, M.S. (Maryland)
Gabor N. (Ithaca)
Goovaerts, E (Antwerp)
Haddon, R. (Los Angeles)
Hartschuh, A. (Munich)
Heinz, T. (New York)

Hersam, M. (Evanston)
Hone, J. (New York)
Jin, C. (Tsukuba)
Jorio, A. (Belo Horizonte)
Kappes, M. (Karlsruhe)
Kataura, H. (Tsukuba)
Kern, K. (Stuttgart)
Kramberger, C. (Wien)
Krstic, V. (Dublin)
Lee, J.O. (Daejeon)
Lee, Y.H. (Jeonju)
Loss, D. (Basel)
Louie, S. (Berkeley)
Lounis, B. (Bordeaux)
Maruyama, S. (Tokyo)
Mauri, F. (Paris)
Maksimenko, A.S. (Minsk)
Meyer, J. (Ulm)

Novoselov, K.S. (Manchester)
Park, Y.W. (Seoul)
Perebeinos, V. (Yorktown Heights)
Reich, S. (Berlin)
Rontani, M. (Modena)
Saito, R. (Sendai)
Saito, S. (Tokyo)
Scharff, G. (Illinois)
Shiozawa, H. (Surrey)
Siegle, V. (Stuttgart)
Stampfer, C. (Zurich)
Tang, Z.K. (Hong Kong)
Telg, H. (Berlin)
Torres, T. (Madrid)
Warner, J. (Oxford)
van Wees, B.J. (Groningen)

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

An informal application for participation at the Winterschool must be submitted by internet at:

http://www.iwepnm.org/registration.php

Applications should be submitted as soon as possible and must be received no later than

JANUARY 05, 2009

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 12, 2009.

Abstracts and Contributed Papers

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

Abstracts for invited and contributed papers must be received before JANUARY 05, 2009 together with the informal application for participation.

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

http://www.iwepnm.org/abstract.php

Proceedings

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

Travel

Kirchberg 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 (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. Dr. Christian Thomsen
Institut für Festkörperphysik
Sekr.: EW 5-4
Technische Universität Berlin
Hardenbergstrasse 36
D-10623 Berlin, Germany
Tel.: ++49 30 314 – 23187
FAX: ++49 30 314 – 27705
email: iwepnm-info@physik.tu-berlin.de
www: http://www.iwepnm.org

For accommodation three categories will be available:
A: Twin room at the Hotel Sonnalp or a nearby hotel.
B: Three-bed room at the Hotel Sonnalp.
C: Twin room with private bath in a nearby bed and breakfast place.
Please choose your category and, if appropriate, the location you prefer to stay. The final decision will be made by the organizers.

Fees

The fees for the Winterschool are
960 € cat. A
840 € cat. B
740 € cat. C
which includes accommodation, breakfast and dinner, the proceedings, and the contribution for participation. The latter amounts to 420 €. A limited number of single rooms in cat. A hotels will be available for an extra charge of 290 €. 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. Some financial support is available for students.

The venue