

1st Announcement

# 1<sup>st</sup> Workshop on Nanotube Optics and Nanospectroscopy

**WONTON 2005**



17. - 20. July 2005

Telluride Science Research Center,  
Telluride, Colorado, USA



## Scope & Format

The recent advances in the field of nanotube spectroscopy have not only broadened our horizon regarding their optical properties and their potential towards new applications, they have also stimulated intense discussions regarding issues of fundamental interest. We believe that this is the time to bring colleagues together for a concentrated four-day workshop on nanotube optics and spectroscopy.

Topics to be covered at the meeting include:

- Light absorption, emission, and scattering
- Carrier interactions, band structure and optical spectra
- Theory of excitons in carbon nanotubes
- Ultrafast dynamics of carriers, excitons, and phonons in carbon nanotubes
- Spectroscopy of small ensembles or individual tubes
- Magneto- and electro-optics
- Nanotube-based optoelectronic devices and electroluminescence
- Growth and purification of nanotubes for optical studies
- ...

The meeting will host a maximum of 60 participants. It will feature approximately 20 invited talks by distinguished researchers as well as 40 contributed poster presentations. We believe that the size of this meeting with a clear focus on nanotube optics and spectroscopy will provide an ideal forum for fruitful and stimulating interactions among young and established researchers.

## Invited Speakers

Tsuneya Ando (Tokyo Institute of Technology)  
 Phaeton Avouris (IBM Yorktown Heights)  
 Mildred S. Dresselhaus (MIT)  
 Graham R. Fleming (University of California, Berkeley)  
 Paul Finnie (National Research Council, Canada)  
 Robert H. Hauge (Rice University)  
 Achim Hartschuh (University of Siegen)  
 Tony F. Heinz (Columbia University)  
 Manfred M. Kappes (University of Karlsruhe)  
 Hiromichi Kataura (Tokyo Metropolitan University)  
 Hans Kuzmany (University of Vienna)  
 Victor I. Klimov (Los Alamos National Lab)  
 Steven G. Louie (University of California, Berkeley)  
 Shigeo Maruyama (University of Tokyo)  
 Eugene J. Mele (University of Pennsylvania)  
 Lukas Novotny (University of Rochester)  
 Andrew Rinzler (University of Florida)  
 R. Bruce Weisman (Rice University)

## Venue

The meeting is hosted by the Telluride Science Research Center which has organized small meetings and workshops for nearly two decades. The meeting will be held in the Telluride Mountain Village Conference Center. All accommodations will be within walking distance. The summer in Telluride features pleasant daytime temperatures in the 20°s C. Mountain trails and meadows in the surrounding mountains provide a very attractive environment for outdoor activities and for informal discussions among colleagues.

At least one afternoon will be reserved for a hike and picnic in the mountains.

## Important Dates

- **28th February** - deadline for abstract submission
- **11th March** - notification of abstract acceptance
- **31st March** - early registration and lodging reservation
- **15th April** - full payment of workshop fee and lodging
- **16th July** - arrival and welcome reception
- **17th-20th July** - scientific program
- **21st July** - departure

## Organization & Contact

To get on our mailing list to which updates on the workshop are distributed, please simply send a brief e-mail to [tobias.hertel@vanderbilt.edu](mailto:tobias.hertel@vanderbilt.edu).

The workshop is organized jointly by:

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