

Venue

The meeting is hosted by the Telluride Science Research Center which has organized small meetings and workshops for nearly two decades. Visit <http://www.telluridescience.org/> for more information.

The meeting will be held in the Telluride Mountain Village Conference Center. 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 discussions in an informal setting.

Housing

Housing will be within walking distance of the mountain village conference center. Lodging reservations can be made when registering through the TSRC (Telluride Science Research Center) website.

Important Dates

- **7th March** - deadline for abstract submission **NEW**
- **14th March** - notification of abstract acceptance **NEW**
- **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

Abstract Submission

Your one-page abstract should be submitted by e-mail in MS Word or pdf format to tobias.hertel@vanderbilt.edu. Along with your submission please also provide contact information for the speaker.

Registration and Admission

Participants will be asked to register online from the TSRC website after e-mail notification by the organizers.

Admission will be on a first come first serve basis until all available slots are filled.

Participants (including speakers) may make up to two poster presentations, one for each of the two poster sessions held during the meeting.

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.

The workshop is organized jointly by:

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2nd Announcement

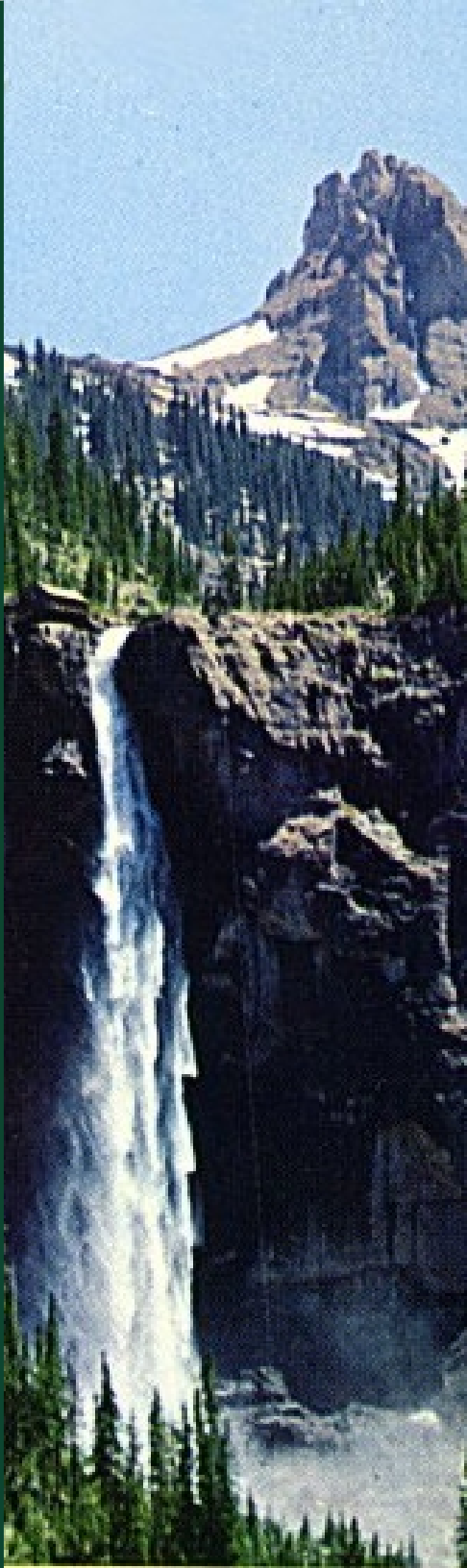
1st Workshop on Nanotube Optics and Nanospectroscopy

WONTON 2005



17. - 20. July 2005

Telluride Science Research Center,
Telluride, Colorado, USA



Welcome

Within this announcement you will find a preliminary program with tentative titles for invited presentations as well as updated information on registration fees and deadlines.

Note that we have pushed back the abstract submission deadline and the date for notification of acceptance by one week.

We look forward to seeing you in Telluride.

Scope & Format

We want to bring colleagues and students together for a concentrated and informal 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.

Program

Approximately 20 invited talks and 40 poster presentations will be distributed over the 4 day duration of the workshop. Free time in the afternoons will allow informal discussions and excursions into the surrounding mountains.

No Proceedings of the meeting will be published to encourage discussion of new and unpublished results.

One afternoon will be reserved for a joint excursion and BBQ.

Invited Speakers

Tsuneya Ando (Tokyo Institute of Technology)

Excitons and Aharonov-Bohm effect in carbon nanotubes

Phaedon Avouris (IBM Yorktown Heights)

Carbon nanotubes: excited states, electroluminescence and optical devices

Mildred S. Dresselhaus (MIT)

Recent advances in the photophysics of carbon nanotubes

Graham R. Fleming (University of California, Berkeley)

TBA

Paul Finnie (National Research Council, Canada)

Photoluminescence from nanotubes suspended in free space

Robert H. Hauge (Rice University)

TBA

Achim Hartschuh (University of Siegen)

Photoluminescence imaging of excitons in semiconducting nanotubes with 10 nm resolution

Tony F. Heinz (Columbia University)

Ultrafast and Nonlinear Spectroscopy of Single-Wall Nanotubes

Manfred M. Kappes (University of Karlsruhe)

Temperature- and pressure-dependent photoluminescence spectroscopy of individual SWNTs in suspensions and on surfaces

Hiromichi Kataura (Tokyo Metropolitan University)

Resonance Raman scattering of isolated single-wall carbon nanotubes directly grown in ceramics

Hans Kuzmany (University of Vienna)

Resonance Raman spectroscopy of double wall carbon nanotubes

Victor I. Klimov (Los Alamos National Lab)

Single carbon nanotubes probed by photoluminescence and photoluminescence-excitation spectroscopies: The role of phonon-assisted transitions

Steven G. Louie (University of California, Berkeley)

Many-electron effects in the optical response of single-walled nanotubes

Shigeo Maruyama (University of Tokyo)

Raman and fluorescence spectroscopy of isotopically modified single-walled carbon-13 nanotubes

Eugene J. Mele (University of Pennsylvania)

Electron interactions and scaling relations for excitons in carbon nanotubes

Lukas Novotny (University of Rochester)

Near-field Raman imaging of nanotube defects

Andrew Rinzler (University of Florida)

Transparent nanotube films for electrical coupling to optoelectronic devices

R. Bruce Weisman (Rice University)

Single-walled nanotube fluorescence: from discovery to applications