

**TDLS-2003
REPLY FORM**

Last Name

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First Name

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Affiliation _____

Address _____

Phone _____

Fax _____

Email _____

I would like to be a participant in the conference
accompanied by _____ person(s).

I plan to present a contribution: _____

I plan to submit a manuscript yes no

Remarks: _____

**Please return a reply form by December 15, 2002
by fax: 1-860-439-5011, or e mail answers to all of the
above questions to: tdls@conncoll.edu , or
complete the form at <http://tdls.conncoll.edu>**



FIRST ANNOUNCEMENT

4th International Conference on

**Tunable Diode Laser
Spectroscopy**

July 14-18, 2003

Zermatt, Switzerland

*The 2nd Announcement will be sent out by email
only in January 2003.*

*This conference will be a meeting in the
field of tunable diode laser spectroscopy*

Conference Chairs:

Professor A. W. Mantz

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270 Mohegan Avenue New London,
Connecticut 06320-4196 USA
Phone: +1(860) 439 5030
Fax: +1(860) 439 5011
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General Physics Institute
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Phone: +7(095)135-8281
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Advisory Committee:

Claude Alibert (France)
Ghislain Blanquet (Belgium)
Paul Davies (UK)
Alan Fried (USA)
Armin Lambrecht (Germany)
Maxim Spiridonov (Russia)
Claude Thiebeaux (France)
Hiromichi Uehara (Japan)
Alain Valentin (France)
Peter Werle (Italy)
Gisbert Winnewisser (Germany)

Organized by

General Physics Institute, Russian Academy of Sciences, Moscow, Russia
Connecticut College, New London, Connecticut USA

Scientific Program

The scientific program covers a broad field of modern theoretical and experimental tunable diode laser spectroscopy. Two sessions will be held each day, morning and afternoon. The Conference schedule will include invited lectures and poster sessions.

1. Semiconductor Lasers.

$A_{III}B_V$, $A_{IV}B_{VI}$, DFB lasers, quantum cascade lasers, photoelectric devices, laser noise, laser line width.

2. New Techniques and Technology.

Instrumentation and components, signal processing, fiber optics, calibration.

3. Fundamental Spectroscopy.

New spectral data, line profile studies, kinetics and photo chemistry.

4. Diagnostic and Process Monitoring.

Exhaust gas analysis, detection of explosives and drugs, isotope ratio measurements, plasma diagnostics.

5. Environmental Monitoring.

Atmospheric monitoring, instrument intercalibration, field experiments, laboratory studies.

6. Industrial Developments.

Analytical systems based on Tunable Diode Lasers.

Abstracts

Abstracts are accepted in electronic form and should be sent as e-mail attachments to: tdls@nsc.gpi.ru
Word format of abstracts is preferable. Abstract deadline March 15, 2003.

Confirmed Invited Speakers

Jürgen Röpcke, Institute for Low Temperature Plasma Physics, Germany

Muriel Lepere, Facultés Universitaires Notre-Dame de la Paix, Belgium

Dirk Richter, National Center for Atmospheric Research, USA

Mark Zahniser, Aerodyne Research, USA

Doug Baer, Los Gatos Research, USA

Kay Niemax, Institute of Spectrochemistry and Applied Spectroscopy, University of Dortmund, Germany

Bertrand Parvite, Université de Reims France

Georges Durry, CNRS, Institut Pierre Simon Laplace, France

Daniel Hurtmans, Université Libre de Bruxelles, Belgium

Frank K. Tittel, Rice University, USA

Daniele Romanini, CNRS, Université J. Fourier de Grenoble, France

Daniel Hofstetter, University of Neuchatel, Institute of Physics, Switzerland

Stephane Vannuffelen, Schlumberger, EPS-SRPC, France

Yuri Ponomarev, Institute of Atmospheric Optics, Russia

Nobukimi Ohashi, Kanazawa University, Japan

Martin Fejer, Stanford University, USA

Conference Proceedings

A special issue of *Spectrochimica Acta* will be prepared. Manuscripts should be submitted to Arlan Mantz at Connecticut College prior to September 30, 2003.

Language

The Conference language is English.
Abstracts must be submitted in English.

Registration Fees before March 31, 2003

- 350 US\$ for regular participants
- 170 US\$ for students
- 30 US\$ for accompanying adults

Accommodations

Conference will be held in Hotel Zermatterhof.
Hotel rates are SFr 195 (about 120 US\$) per person per day. This includes a copious breakfast buffet, and a 4 course dinner. Please consult the web page for more details. Participants should expect to arrive at their hotel Sunday July 13, 2003. Conference is from Monday 8:30 until Friday 12:30.
Detailed instructions for other accommodations in Zermatt may be found on the web page.

Registration Instructions

If you plan to attend or to participate please complete the TDLS-2003 Reply Form in one of the following three ways:

- Fill in the reply form attached and send it to
Stacey Lion, TDLS Box 5243, Connecticut College, 270 Mohegan Ave., New London, CT 06320 USA
- Answer the questions listed in the reply form and return to tdls@conncoll.edu
- Fill in the on-line registration form on the web at: <http://tdls.conncoll.edu>

Conference Web-Page

Please visit our Web Page to find recent information about the Conference

<http://tdls.conncoll.edu>