

**Seminar Registration:** See enclosed Registration Form for registration fees. Note discounts for early registration and for IPS members. Early registrants using credit cards (VISA, MasterCard and AMEX only) will not be charged until just before the Seminar. Also, please specify Seminar activities for companions and note participation in all events for both registrants and companions on the Registration Form. Please complete all sections of the form.

**Activities for Registrants and Companions included in the registration fee:** The reception Sunday night, a mixer/picnic Monday night, Tuesday all-day tour for Companions of Seminar Registrants, and the traditional Wine and Cheese Social at closing Friday, are all included in the registration fee.

**Companions' tour:** Information on the special Tuesday all-day tour, "no-charge" to Companions of Seminar Registrants, will be provided in the final announcement with the agenda.

**Thursday Dinner at the Westin:** On Thursday evening, the social event will be a dinner at the Westin Denver Downtown Hotel in the Augusta room. This evening event is included in the registration fee for Seminar Registrants. Tickets for Companions of Seminar Registrants will be available at \$50.00 each. Children 6 to 12 are half price.

#### **HOTEL RESERVATIONS**

Return the Hotel Reservation Form to Linda Crouse to receive the special Seminar rates. After we enter it into our database, this form will go to the hotel, and you will receive a

confirmation number from Linda Crouse, the IPS 2012 Coordinator.

Be sure to specify which accommodation you prefer. The rates quoted are offered to registrants two days before and after the conference, based on space availability. A credit card number must be given as the first night's deposit. However, there will be no charge to your credit card until departure. Once the hotel reservation has been made, all further transactions (cancellations, payments, etc.) with the hotel will be between the visitor and the hotel. Cancellations must be received 24 hours prior to scheduled arrival to avoid a no-show charge. The hotel policy on early departure is that you must confirm your departure date when you check in, and any subsequent changes to an earlier date will incur a \$50 fee.

#### **DENVER, COLORADO**

The **City and County of Denver** is the capital and the most populous city of the U.S. state of Colorado. Denver is a consolidated city-county, located in the South Platte River Valley on the western edge of the High Plains just east of the Front Range of the Rocky Mountains. The Denver downtown district is located immediately east of the confluence of Cherry Creek with the South Platte River, approximately 12 miles (19 km) east of the foothills of the Rocky Mountains. Denver is nicknamed the **Mile-High City** because its official elevation is exactly one mile (1.6 km) or 5,280 feet (1,609.344 m) above sea level. The 105<sup>th</sup> meridian west of Greenwich passes through Union Station and is the temporal reference for the Mountain Time Zone.

#### **TECHNICAL STEERING COMMITTEE**

**Jesse Sabatini** – ARDEC  
**Ernst-Christian Koch** – NATO MSIAC  
**Anton Chin** – NSWC Crane  
**Rutger Webb** – TNO  
**Trevor Griffith** – QinetiQ

#### **INTERNATIONAL STEERING COMMITTEE**

**Trevor Griffiths**, UNITED KINGDOM  
**Pierre Thebault**, FRANCE  
**Alla Pivkina**, RUSSIA  
**Guy Hendrickx**, BELGIUM  
**Shingo Date**, JAPAN  
**Ken Smit**, AUSTRALIA  
**Wim deKlerk**, NETHERLANDS  
**Manfred Bohn**, GERMANY  
**Per Alenfelt**, SWEDEN

#### **SEMINAR CO-CHAIRS**

**Dr. Sara Pliskin**, Naval Surface Warfare Center – Crane, [sara.pliskin@navy.mil](mailto:sara.pliskin@navy.mil)

**David Turner**, Technical Consultants, Inc., [dterapin@cobridge.tv](mailto:dterapin@cobridge.tv)

Copies of proceedings from previous Seminars held in the USA are available on CD (and some in book form) for sale at <http://www.ipsusa.org/pubs.htm>.

**FINAL ANNOUNCEMENT  
with AGENDA will be on the  
WEBSITE in MARCH 2012**



**IPSUSA  
Seminars, Inc.**



and

**THE INTERNATIONAL  
PYROTECHNICS SOCIETY**

**ANNOUNCE**

**THE THIRTY-EIGHTH  
INTERNATIONAL PYROTECHNICS  
SEMINAR AND SYMPOSIUM**

*THE MAJOR INTERNATIONAL  
FORUM FOR PYROTECHNICS*

June 10 – 15, 2012  
Westin Downtown Denver Hotel  
Denver, Colorado, USA

**THIRD ANNOUNCEMENT  
AND CALL FOR ABSTRACTS**

The Thirty-Eighth International Pyrotechnics Seminar and Symposium will be held at the Westin Downtown Denver Hotel in Denver, Colorado, Sunday through Friday, June 10 - 15, 2012. Denver is located about 30 miles from the Denver International Airport. A registration form with fee schedule and a hotel reservation form (for the seminar and workshop) are included with this announcement. Information about the Seminar may also be found at our web page, <http://www.ipsusa.org>.

## SYMPOSIUM TOPICS\*

Pyrotechnics, in the International Pyrotechnics Society context, includes all energetic materials. Subjects of interest for this Symposium include all aspects of pyrotechnics, (American definition) and to a lesser degree, explosives and propellants. Research aspects are emphasized for the latter two.

Contributed oral and poster presentations are planned in the following areas of interest:

- All aspects of Pyrotechnics
- Fuel/oxidizer formulations
- Insensitive materials
- Sensitivity and safety
- Environmental considerations
- Nano-particles in energetic materials
- Testing methods and devices
- Manufacturing processes; twin-screw extruders, coacervation, co-precipitation, etc.
- Computational methods applied to energetics
- Improvised explosive devices (IEDs)
- Initiators and initiation
- Regulations and standards applicable to energetics; STANAGs, etc.
- Synthesis and composition of explosives and other energetic composites
- Unusual applications of energetic materials

\* Traditionally, this event has been called a "Seminar" and we will continue to do so for historical reasons. However, the recent composition of the presentations and manuscripts in these Seminars, by definition, qualify this event to more properly be called a "Symposium".

## ADJOINING WORKSHOP

The 9<sup>th</sup> Workshop on Pyrotechnic Combustion Mechanisms will meet at the same hotel (on Saturday, June 9<sup>th</sup>) just before the 38<sup>th</sup> IPS Seminar. There will be a separate registration and fee for the Workshop. The same Hotel Registration form applies to both the Seminar and the Workshop. This workshop is dedicated to the combustion of pyrotechnic materials. Whereas our present knowledge on the combustion of all kinds of solid propellants may be considered mature, our understanding of the combustion processes occurring with pyrotechnics is still in its infancy. Thus

development of pyrotechnics for various applications, be it illuminating and decoy flares, igniter materials, smoke charges and the like, still requires time-consuming procedures resembling more of a trial and error system than a straightforward, in other words, deductive manner.

It is the aim of this workshop to create a platform for scientists to allow for detailed exchange of information and critical discussion on the physical and chemical aspects of the combustion of pyrotechnic materials.

## SCHEDULE OF EVENTS

The timetable leading to the Seminar is:  
(Note changes in dates from the 1<sup>st</sup> Announcement)

### January 16, 2012

Abstracts due to Seminar Coordinator  
Registration for the Seminar continues

### January 23, 2012

Authors notified of paper acceptance  
Registration for the Seminar continues

### February 1, 2012

Final Announcement with list of papers  
Registration for the Seminar continues

### March 28, 2012

Poster Abstracts Deadline

### March 28, 2012

Manuscripts due to Seminar Coordinator for  
Proceedings

Registration for the Seminar continues

### May 6, 2012

Final date for receiving discounted  
registration\* and hotel reservations by  
Seminar Coordinator

### June 10-15, 2012

Thirty-Eighth International Pyrotechnics Seminar

\* We strongly encourage registration including hotel reservations, even though you may not yet be prepared to make payment. Payment is not required prior to arrival at the Seminar. Registration forms received by May 6, 2012, will be accepted at the lower advance registration fee for payment at the Seminar. "Walk-in" registrants will pay a higher fee.

## ABSTRACTS

Abstracts must be unclassified and, if a government has sponsored the work, must be cleared for submission by the sponsoring government. Abstracts should be no more than 500 words in length. You may indicate your preference for presentation in oral or poster session. Full manuscripts from both types of presentations without distinction will be included in the proceedings. Commercial vendors must register and are encouraged to present posters.

### PASSPORT AND VISA ADVISORY AND WARNING:

In the process of obtaining your Visa for travel to the USA, you may be asked to appear for a personal interview. This will lengthen the time it takes to obtain a Visa. We strongly recommend starting the Visa application process very early.

## ABSTRACT SUBMISSION

To be considered, abstracts may be submitted for inclusion in the Seminar at any time up to January 16, 2012. Receipt of your abstract will be acknowledged by email or airmail. Authors are requested to follow the guidelines for preparation of the manuscript for publication that can be found at <http://www.ipsusa.org/authorguidance.pdf>. Selection of the papers to be given at the Seminar will be made in February 2012; and a list of papers for oral and poster presentations will be posted on the website in February 2012.

It is our intent to publish the Proceedings of the Seminar in book form and on CD. These will both be distributed at the Seminar. It is expected that an author will present each oral or poster paper. It is our intent not to publish manuscripts of papers, one of whose authors does not participate in the Seminar. This standard is set to encourage attendance and participation in the Seminar and to encourage the open exchange of ideas. Abstracts for poster session papers describing work in progress may be submitted at a later date. All papers will be presented and written in the English language. Furthermore, all submitted manuscripts must allow IPSUSA Seminars, Inc. to copyright their submissions in accordance to

standard practice for the publication of all technical and scientific publications.

## FINAL FULL TEXT MANUSCRIPT SUBMISSIONS

Final full text manuscripts must be received BY MARCH 28, 2012. This is a firm date to permit inclusion in the printed Proceedings and CDs, which will be distributed at the Conference. Authors are requested to submit manuscripts in hardcopy and in electronic format (floppy disc, CD, or email). The email and postal address of the IPS 2012 Coordinator is given below. If possible, please use Microsoft Word (Version 6 or later) for preparing the electronic version.

All papers must be written in English. Please format the paper for printing on letter-sized (8 ½ x 11 inches) paper, using 11 point Times New Roman font for the main text, with one inch margins on all sides, and portrait orientation. Preferably, do not include headers, footers, or page numbers, which will be added later in preparing the compilation of papers for the Proceedings. (Note: If fonts other than Times New Roman and Symbol are used, it will be helpful if the fonts are embedded in the document; for TrueType fonts with recent versions of Microsoft Word, font embedding can be found under "Tools/ Options/ Save"). Please visit <http://www.ipsusa.org/authorguidance.pdf> for more guidelines. When submitting the abstract or manuscript, please provide the email and full mailing address of the author to be contacted with questions.

## SEMINAR REGISTRATION AND ACTIVITIES

Seminar registration, hotel reservations (including those for the workshop), abstracts and manuscripts will all be handled through:

**Linda Crouse**, IPS 2012 Coordinator  
P.O. Box 271088 Littleton, CO 80127 USA  
Phone: (303) 601-8550 • Fax: (303) 904-3965  
Email: [IPS2012Conference@msn.com](mailto:IPS2012Conference@msn.com)