

2018 – DR. BERNARD E. DOUDA IPS – YOUNG SCIENTIST AWARD

One special award, the **2018 – Dr. Bernard E. Douda IPS – Young Scientist Award** for Pyrotechnics Investigators is anticipated from the fund established through the International Pyrotechnics Society. The award will pay for the 43rd IPS Seminar, the 15th Workshop on Pyrotechnics Combustion Registration fees, and a 2-year paid IPS membership. To be eligible for the award, the Applicant must be under 40 years of age at the time of the submission deadline (January 18, 2018), must not be an officer or past officer of the IPS or IPSUSA, must submit a full paper with cover letter explaining the importance of the presented work along with a curriculum vitae, and must attend and present the paper at the 43rd IPS Seminar. Applicants will be notified by February 15, 2018. The point of contact for this award is Dr. Trevor Griffiths at tgriffiths.ips@gmail.com.

REGISTRATION and ACTIVITIES

Activities for Registrants and Companions included in the registration fee:

The informal reception Sunday evening with ample food, a casual get-together mixer/picnic Monday night, and the traditional Wine and Cheese Social at closing on Friday, are all included in the registration fee.

Companions' Tour:

This special Tuesday all-day bus tour, for \$89 per person, will be a guided tour of the beautiful Rocky Mountain National Park where you will be able to see Colorado wildlife, a guided tour of the Estes Park area, and a history/ghost tour of the historic Stanley Hotel. You will also be able to purchase lunch at the Cascades Restaurant at the Stanley Hotel and spend some free time in downtown Estes Park. **PLEASE NOTE: we will need a minimum of 20 people in order to provide this tour.**

Fort Collins Country Club:

On Thursday evening, the social event will be a trip by bus to the Fort Collins Country Club. Located eight miles north of the Fort Collins Marriott hotel, you will enjoy an evening of dining in a relaxing atmosphere where you will be able to mingle and visit with old friends. This evening event is included in the Registration fee for Seminar Registrants. Tickets for Companions of Seminar Registrants will be available at \$60.00 each.

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REGISTRATION and ABSTRACTS

SEMINAR REGISTRATION:

See attached 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.



REGISTRATION and ABSTRACTS will be handled through the Seminar Coordinator:

Linda Crouse

IPSUSA 2018 Seminar Coordinator
P.O. Box 621633
Littleton, Colorado 80162-1633 USA
Phone: 303.601.8550
Fax: 303.904.3965
E-mail: LcrouseIPSUSASeminars@gmail.com

Questions about details of the logistics for registration and other arrangements may be directed to her.

FURTHER INFORMATION

As information about the Seminar becomes available, it will be posted on the website at <http://www.ipsusa-seminars.org>.

Copies of proceedings from previous Seminars held in the US are available in book and CD form for sale at <http://www.ipsusa-seminars.org/publications/>.



SECOND CALL for PAPERS (ABSTRACTS)

43rd INTERNATIONAL PYROTECHNICS SOCIETY SEMINAR

Hosted by
IPSUSA Seminars, Inc.

**A Major International
Forum for Pyrotechnics and
Energetic Materials!**

July 8-13, 2018

The 43rd International Pyrotechnics Society Seminar will be held at the *Fort Collins Marriott Hotel* in Fort Collins, Colorado, USA, on July 8-13, 2018.



<http://www.marriott.com/hotels/travel/ftcco-fort-collins-marriott>



SEMINAR TOPICS

Pyrotechnics, in the international context, includes all energetic materials. Subjects of interest for this Seminar include explosives, propellants, pyrotechnics, and devices that utilize these materials, processes used to make them, and the physical and chemical principles and processes involved in their design, characterization, reaction, testing, operation, and aging.

- ◆ All aspects of Pyrotechnics
- ◆ Fuel/oxidizer formulations
- ◆ Insensitive energetic materials
- ◆ Sensitivity and safety
- ◆ Solid rocket propellants
- ◆ 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
- ◆ Detonation science
- ◆ Improvised explosive devices (IEDs)
- ◆ Initiators and Initiation
- ◆ Regulations and standards applicable to energetics; STANAGs, etc.
- ◆ Synthesis of explosive, propellant, and pyrotechnic compositions
- ◆ Unusual applications of energetic materials
- ◆ Conventional/non-conventional explosives
- ◆ Commercial fireworks (R&D, processing, safety, materials, etc.)
- ◆ Commercial explosives and pyrotechnics for blasting, excavation, drilling, and mining

ABSTRACTS

Abstracts should be no more than 500 words in length. You may indicate your preference for presentation in the oral or poster session. Full manuscripts from both types of presentations, without distinction, will be included in the proceedings if submitted by the deadline of April 28th.

Commercial vendors must register and are encouraged to present posters or display exhibits.

SUBMISSION OF ABSTRACTS

To be considered, Abstracts may be submitted for inclusion in the Seminar at any time up to January 18, 2018. Receipt of your Abstract will be acknowledged by email. Guidelines on how to prepare the manuscript for publication will be available on the IPSUSA Seminar website. Selection of the papers to be given at the Seminar will be made in February 2018, and a list of papers for oral and poster presentation will also be published and posted on the website in March 2018. The proceedings of the Seminar will be published in hard copy and as a CD. The CD will be distributed at the Seminar and a hard copy will be available for purchase at that time.

It is expected that an author will present each oral or poster paper. ***It is our intent not to publish manuscripts of papers from authors who do 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. 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 with standard practice for the publication of all technical and scientific publications.

Authors are personally and solely responsible for obtaining organizational clearance for their paper (abstract and manuscript) before submitting it to the Seminar for presentation and publication. In granting the clearance approval, it should be understood that the abstract and manuscript will be published in the Seminar Proceedings in hard copy and on CD. These will be made available to the public at large.

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.

SCHEDULE OF EVENTS

The timetable leading to the Seminar is:

October 2017

Second Call for Papers with Reminder for Abstracts
Registration for the Seminar continues

January 18, 2018

Abstracts due to Seminar Coordinator
(see address on back page)
Final full text manuscript is due for the
Young Scientist Award and Frank Carver
Bursary Award consideration
Registration for the Seminar continues

February 15, 2018

Authors notified of paper acceptance
Young Scientist Award and Frank Carver
Bursary Award Notifications
Registration for the Seminar continues

March 15, 2018

Final Announcement with list of papers
Registration for the Seminar continues

April 28, 2018

Manuscripts due to Seminar Coordinator for
Proceedings
Registration for the Seminar continues

June 8, 2018

Final date for receiving discounted
Registration *
Cutoff date for Hotel reservations

July 8-13, 2018

**43rd International Pyrotechnics Society
Seminar**
Registration for the Seminar continues

**** We strongly encourage completing the Seminar Registration form and making your Hotel reservation early. Registration links to the Fort Collins Marriott Hotel, Fort Collins, Colorado can be found on <http://www.ipsusa-seminars.org>.***

Payment is not required prior to arrival at the Seminar. Registration forms received by June 8, 2018, will be accepted at the lower advance registration fee for payment at the Seminar. "Walk-in" registrants will pay a higher fee. Your Credit card will not be billed until the date of the Seminar.

FRANK CARVER BURSARY AWARD

One special award for a pyrotechnics investigator is anticipated from the Bursary Fund established through the International Pyrotechnics Society. The Frank Carver Bursary Fund is a UK Charity which promotes advancement in the scientific understanding of energetic materials by assisting young pyrotechnicians to attend and present their work at international seminars being sponsored by the International Pyrotechnics Society.

The award will be £1200 Sterling equivalent. The amount is usually sufficient to cover travel expenses. To be eligible for the award, the recipient must be less than 40 years of age, from outside of North America, and must orally present the paper at the Seminar. Persons who wish to be considered for the award should notify their intention to the International and Technical Steering Committees of the Seminar and submit their written paper at least four months before the date of the Seminar.

The winner will be selected from among the group of applicants for the award. See <http://www.intpyrosoc.org/> for details of the rules. Applicants for the award must submit a complete application, plus all required materials to LcrouseIPSUSA_Seminars@gmail.com by January 18, 2018. Applicants will be notified of the decision on the award by February 15, 2018.

