

## *First Announcement*

# **The 43<sup>rd</sup> International Pyrotechnics Society Seminar**

## **July 8 – 13, 2018**

Hosted by IPSUSA Seminars, Inc. in cooperation with the International Pyrotechnics Society



## **The 43<sup>rd</sup> International Pyrotechnics Society Seminar**

**will be held at the Marriott Hotel, Fort Collins, Colorado, USA, on July 8-13, 2018.**

### **FORT COLLINS, COLORADO**

The Fort Collins Marriott Hotel (<http://www.marriott.com/hotels/travel/ftcco-fort-collins-marriott>) is located at 350 East Horsetooth Road, Fort Collins, Colorado. Fort Collins is the fourth largest city in the State of Colorado. At 5,003 ft. above sea level and an average of 300 sun-filled days per year, low humidity, and moderate winters, Fort Collins enjoys a mild climate year-round. Set against the foothills of the Rocky Mountains 65 miles north of Denver and 45 miles south of Cheyenne, Wyoming, Fort Collins is a vibrant and active community. In town, residents take advantage of 820 acres of developed park land, including 6 community parks and 44 neighborhood/pocket parks, golf, swimming and ice skating facilities, as well as 29 miles of trails offering scenic views of the Poudre River and the beautiful Rocky Mountains. Fort Collins is also the home of Colorado State University.

### **SEMINAR TOPICS**

Subjects of interest for this Seminar include pyrotechnics, propellants and explosives 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 ingredients
- ◆ Formulation 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 for PAPERS and POSTERS**

An official call for papers will follow this first announcement. Abstracts for Papers and Posters may be submitted for inclusion in the Seminar at any time up to January 18, 2018 and should be no more than 500 words in length. You may indicate your preference for presentation in either the oral or poster sessions. Full manuscripts from both oral and poster types of presentations will be included in the proceedings. However, poster presentations only require a one to three page summary of the work being presented. Guidelines on how to prepare the manuscript for publication will be published on the <http://www.ipsusa-seminars.org> website and also sent to the authors. 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 February 2018. The proceedings of the Seminar will be published in hard copy and as a CD. CDs will be distributed at the Seminar, and a limited quantity of hard copies will be available for purchase upon request.

## **SPECIAL EVENTS**

Some of the special events being planned include a registration informal reception on Sunday evening with ample food, a casual get-together dinner on Monday, a special outing and dinner on Thursday evening and our traditional wine-and-cheese reception on Friday afternoon.

## **REGISTRATION**

Registration and abstracts will all 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](mailto:LcrouseIPSUSASeminars@gmail.com)

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

## **FURTHER INFORMATION**

Dr. David F. Dye of NSWC Crane Division, [David.F.Dye@navy.mil](mailto:David.F.Dye@navy.mil) and Dr. Jared D. Moretti of U.S. Army RDECOM-ARDEC, [jared.d.moretti.civ@mail.mil](mailto:jared.d.moretti.civ@mail.mil) will chair this Seminar. As more information about the Seminar becomes available, it will be posted on the website at <http://www.ipsusa-seminars.org>.

If you wish to be placed on the mailing list for future announcements of the Seminar, please contact Mrs. Linda Crouse at [LcrouseIPSUSASeminars@gmail.com](mailto:LcrouseIPSUSASeminars@gmail.com), phone 303.601.8550, or fax 303.904.3965.

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

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## **LET US KNOW**

We would be glad to hear of your interest or intention in regard to attendance and presentation of a paper or poster. Inclusion of your email address will greatly speed communications. There is no obligation and no payment is required at this time.