

First Announcement

The 47th International Pyrotechnics Society Seminar



will be held at the
Albuquerque Marriott Pyramid North
Albuquerque, New Mexico, USA

July 14 - 19, 2024



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

Albuquerque, New Mexico

The Albuquerque Marriott Pyramid North (<https://www.marriott.com/>) is located at 5151 San Francisco Road NE, Albuquerque, New Mexico. The Marriott Pyramid is conveniently located just west of I-25 and offers convenience and style just four miles from Sandia Resort and Casino. Take a short drive to Cliff's Amusement Park to enjoy the rides and water park, or head to Balloon Fiesta Park for year-round outdoor fun. They have a connected indoor/outdoor pool for fun in the hotel, so you can choose to splash in the sun or swim in the shade. Their fitness center is open 24 hours daily with cardio equipment and free weights. All rooms are pet-friendly and feature HD TVs with premium movie channels. If you need to work while on the road, they have ergonomic chairs and desks or you can head to their business center for print, fax, and copy services.

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
- Pyrotechnic generated/dispersed biocides
- 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, 2024, 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 abstracts, manuscripts for publication, and presentations will be published on the <http://www.ipsusa-seminars.org> website and will also be sent to the authors/presenters. Selection of the papers to be given at the Seminar will be made in February 2024, and a list of papers for oral and poster presentation will be posted on the website before the Seminar. The Proceedings of the Seminar will be published as a CD or USB thumb-drive. CDs or thumb-drives will be distributed at the beginning of the Seminar.

Special Events

Some of the special events being planned include an informal Reception on Sunday evening with ample food, a casual get-together Mixer/Picnic on Monday night with a Mariachi Band, and a special outing to the Albuquerque Hot Air Balloon Museum and dinner on Thursday evening.

Registration

Registration and abstracts will all be handled through the Seminar Coordinator:

Linda Crouse – IPSUSA 2024 Seminar Coordinator
Phone: 303.601.8550 ♦ Fax: 303.904.3965
E-mail: lcrouseipsusaseminars@gmail.com

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

Further Information

Mr. Noah Lieb of Jensen Hughes Associates, Inc., nlieb@jensenhughes.com and Ms. Cathleen Freeman of the US Army, cathleen.t.freeman.civ@army.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>.

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/>.

Let Us Know

We would be pleased to hear of your interest or intention in regard to attendance and presentation of a paper and/or poster. There is no obligation, and no payment is required at this time.