



AFIO NEW MEXICO CHAPTER

February 2025 Newsletter

President: Sam Shaw - (505) 379-3963 - President@afionm.org

THIS MONTH'S MEETING -- WED. 12 March 2025

Sunnyside Up Café

6909 Menaul Blvd (East of Louisiana)

1100: Sign-In/Order Lunch 1130: Call to Order 1300: Adjourn

SPEAKER:

Robert (Bob) Hull, Principal Engineer,
Los Alamos Technical Associates, Inc.

TOPIC:

“Bob will be discussing “Are space-based radio-navigation systems known as Global Navigation Satellite Systems (GNSS) soon to be a thing of the past?”

“Global navigation satellite systems (GNSS) are often described as an “invisible utility”. Signals transmitted from far above the Earth enable communications systems across the world. They enable the movement of goods and people, and facilitate the global supply lines that underpin our economy. They help to maintain electricity supply and support our emergency services. These examples merely hint at the many and varied ways in which GNSS has become integral to our daily lives – and this importance will only increase as new technologies and innovative applications capitalize on the accurate time and position information that GNSS provides.

However, our awareness of GNSS is out of step with our actual dependence upon it. In some sectors, the vulnerabilities of GNSS to both natural and ground-based interference, including through malicious attacks, are poorly understood. In others, there is insufficient protection against disruption, reducing our collective resilience to a loss of these systems...We must take steps to increase the resilience of our critical services in the event of GNSS disruption, including by adopting potential back-up systems where necessary.”

Satellite-derived Time and Position: A Study of Critical Dependencies

Last meeting report:

We had 11 members and 3 guest in attendance at our Feb. 12 meeting.

Meeting started at 1135 with Donna P. leading the Pledge and Mike H. giving the Invocation.

At 1300 a Motion to Adjourn by Richard S. seconded by John M.. and passed unanimously.

Treasure Report by Richard S.:

\$1,310.24 Jan. Beginning Balance. No Receipts, No Expenses. Ending balance \$1,310.24.

Presentation:

Robert (Bob) Hull, Principal Engineer, Los Alamos Technical Associates, Inc.
presenting on "WWII - The War Where Americans Everywhere Got Involved - The Aircraft Warning Service."
His mother was a member, and he will play a short intro. video "Eyes Aloft - Aircraft Warning Service Film (1943)".

Upcoming Meetings:

Apr. 9th – Get the slate of candidates from the committee.
Dave Williams scheduled to present.

May 14th – Members Vote for Officer candidates.
& Dr. Glen McDuff will speak on the ***Tale of 3 Bombs***,

Jun. 11th – Donna Pedace scheduled to present.

Jul. – Aug. – Summer Hiatus

Sep. 10th – TBD