



CHICAGOLAND

September 2018 Chapter Meeting



The Lost History of World War II Radio Plane Gunnery Targets - radio controlled disposable target aircraft

Tom Fey
Researcher

Thursday, September 20

6:00 – 6:30 pm – Dinner & Networking

6:30 – 6:45 pm – Intros & Announcements

6:45 – 8:00 pm – Presentation and Q&A

Abstract

The Systems Engineering process – identifying stakeholders, establishing needs and requirements, matching technology to function, and then iterating until the resulting solution makes sense – works for all scales and types of development. We intuitively recognize the need for development rigor on large scale applications, but it is easy to forget how complex and complicated supposedly “simple things” can become. Nearly everyone is familiar with the story of major World War II aircraft and weapon systems development, but in war there are no unimportant elements. Thousands of development projects, some small, some large, were conducted during that period. Please join us as WWII-era propulsion historian Tom Fey shares the story of WWII radio controlled gunnery targets. This fascinating and largely unknown story is filled with universal challenges such as agreeing upon requirements, balancing cost, maintainability, control, escalating performance, user skill requirements, and many other development challenges. Because this session is heavy on cool stuff and light on SE jargon, it offers a great opportunity for you to grab a few peers from your office and bring them along to discover INCOSE!

About Our Speaker

Tom Fey is a semi-retired research pharmacologist (drug hunter) from the suburbs of Chicago who has a life-long interest in engines and the automobiles, motorcycles, boats, trains, and aircraft they power. The great piston era of 1939 – 1940 and Unlimited class air racing are of particular interest. Aircraft in the Unlimited class consists almost entirely of both modified and stock World War II fighters. The first glimpse of the contra rotating propellers of the Red Baron RB-51 aircraft world air speed record holder began an unnatural fascination with propeller technology. Tom has written articles for air racing newsletters, prototyped semi-scale electric radio-controlled aircraft, and delivered talks on engine and propeller technology to the Aircraft Engine Historical Society and Oshkosh Air Venture forums. With two kids well on their own and a patient wife, he has time for restoring WWII-era gunnery target drone engines to running condition, bicycle touring, and researching obscure topics to reveal how they operated and how well, or perhaps how deficiently, these mechanisms performed their intended function.

For more information, visit incose.org/chicagoland



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Presenter Location: Remote

*Note, this live-only presentation will not
be made available later as a recording.*

Attend / Network at a physical site or attend online



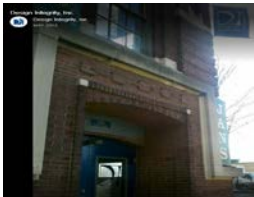
IBM, 10 N Martindale
Schaumburg, IL 60173
3rd Floor Conference Room



BB7, 5407 Fen Oak Dr
Madison, WI 53718
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AbbVie Inc. (**Limited to AbbVie Employees**)
1 North Waukegan Road, Building AP31
North Chicago, IL 60064



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370 W. Waukau Ave
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Attend Live, Online

Meeting begins at 6:30 PM CDT

<https://incose.pgimeet.com/GlobalmeetTwelve>

Access Number: (719) 457-1414

Guest Passcode: 944 440 9838

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