

Sympo Paper Call

I'm starting the process of requesting material for the NFFS 2025 Symposium book. We are seeking for input and papers from the entire free flight community around the world. Please send any ideas and proposals for papers or articles of any kind to myself. I've outlined the purpose of the Symposium below along with some ideas and suggestions of the many things that could be of interest.

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Purpose of the Symposium:

To capture any studies, ideas, developments, designs, and concepts that deserve a spot on the bookshelves of free flight modelers and will serve as reference material for years to come. Also any articles that help promote and preserve the sport of free flight.

Some specific themes and areas of interest:

- -Airfoil trends, data, ideas, studies - (positive effects of bumps and discontinuities?)
- -Wing surface roughness and turbulation effects
- -Wing planform shape optimization - (an advantage to elliptical wing shapes?)
- -Wing tip optimization: how to modify airfoils and warps near the wing extremities to minimize drag and maximize lift
- -New or well proven construction techniques - many ways to use new composite materials and have them coexist with traditional methods
- -Competition strategies - how to train, trim, prepare.... Self control on the day of competition, how to stay focused and avoid distractions, how to manage setbacks after a crash or when things go wrong, how to not be distracted or effected by the weather, etc...
- -Team Competition - how to manage world champ level team competitions, how to bring teams together, dealing with travel issues and all associated challenges, how to manage disputes over rules, etc...
- -Free flight clubs - how to nurture local groups of friends and promote free flight in local areas
- -Electronic developments - timers, motor control, thermal detection, etc...
- -Propeller optimization - for rubber, or wet power, or say an F1Q study of direct drive vs gears and how they relate to propeller efficiency....
- -How to care for and run vintage engines
- -Tuning up modern F1C engines
- -Electric power optimization - care of maintenance of batteries, etc....
- -Trimming methods - the fine art of trimming a hand launch or catapult glider, or a power model, or a rubber model, or a towline glider.....
- -Scale models - how to choose and model some iconic classic design that will both be satisfying, rewarding, and fly great???
- -Indoor models - science of variable pitch props, where to use composites vs balsa, rubber winding techniques, etc....
- -Science Olympiad - Latest model trends, strategies for success, how to mentor and bring up young flyers, etc...

- And so much more....