



Canadian Aeronautics and Space Institute Ottawa Branch

Wednesday, June 22nd, 2016 Meeting Notice

High-Performance, Radio-Controlled Model Gliders

Hosted by Paul Penna and Members of the Phelan Road Rideau RC Flyers and the Ottawa Remote Control Club



Location:

Phelan Road Rideau RC Flyers Club is located north of Kars, Ontario, at 1675 Phelan Road East (north side), between First Line Road and Second Line Road

6:00 – 6:30 pm: Meet and Greet – Pizza and drinks will be served.

6:30 – 7:00 pm: Presentation

7:00 – 8:00 pm: Flying Demonstration

Take a pleasant evening drive in the country and visit the Phelan Road Rideau RC Flyers who will be hosting CASI Ottawa Branch and the Ottawa Remote Control Club for a demonstration of radio-controlled (RC) motor-glidern.

Low-cost, lithium-polymer batteries have made it possible to launch an RC glider to 200 meters altitude using a brushless electric motor driving a folding propeller. The low weight of these propulsion systems imposes only a small increase in the power-off, sink-rate of such models compared to an unpowered, “winch-launched” version. As a result, the long-established winch launch method of getting model gliders to a decent altitude is rarely used by RC gliding enthusiasts.

This month, our Branch Meeting will be outdoors at the Phelan Road Rideau RC Flyers Club and will consist of a short “show and tell” explaining the technology used by these models, with attendees gathered around our presenter who will have a number of these models on hand for display. Then it will be time to see some powered launches and some soaring flight. Typical wing spans are 3 to 4 meters, so it is quite impressive to see such a model reach 200 meters altitude in just under 30 seconds. Depending on the thermal activity that evening, the presenter and his colleagues may be able to demonstrate altitude gain using natural updrafts in the lower atmosphere. Finally, impressive glide-path control using flaps, flaperons and spoilers will be demonstrated during the approaches to the landings.

The club house includes an attached, covered patio with tables and chairs along with indoor washrooms. Insect repellent is recommended since this meeting is being held outdoors in a rural setting.

Note that the Club is located on the north side of Phelan Road. Parking is immediately obvious as you enter the Club property. More information about the Club is given on their web site at <http://www.rideauflyers.com/>

RSVP to Paul Penna: pjpenna@rogers.com.