



# Robotics Flying Camp

**August 23 & August 24, 2012**

**9:30 AM to 4:00 PM**

**Ages: 13-17**

**Location: Athabasca Regional Multiplex**

**Register at 780-675-2967**

**Cost: \$60 for both days (limited space)**

Ever want to know what unmanned aerial vehicles (UAVs) do? Ever want to know how UAVs are used to solve environmental questions? Ever want to learn how to use robotics to build technologies that can make them fly on their own? Join Science Outreach – Athabasca in a two day aerial robotics camp that will encourage groups working in teams to assemble and fly UAVs. This camp provides hands-on learning experience to participate in applied science and technology enquiry.

Participants will learn how to think and work like scientists and engineers and use robotics technologies that will enable UAVs to carry out a number of functions, such as autonomous flight, obstacle course, video monitoring and capture shots of ecological features. This camp will offer teams to work cooperatively to assemble both a fixed-wing and vertical take-off and landing UAV. Testing of the UAVs will be conducted at the **Lee Heights Road RC MAAC airfield** at the outskirts of the town of Athabasca.

**Leader: Dr. Frédérique Pivot, Science Outreach – Athabasca.**

**Equipment supplied by a grant from Alberta Women's Science Network.**

