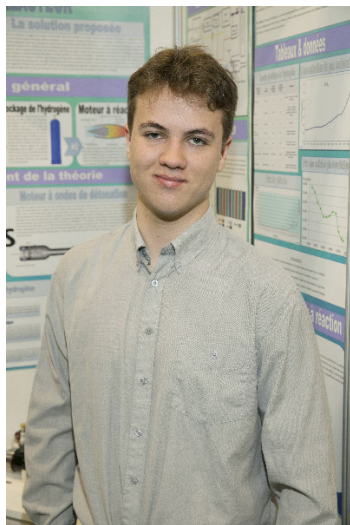


# CWSF 2017 - Regina, Saskatchewan



## Emeric Proulx

### Hydropulsoréacteur

**Challenge:** Energy

**Category:** Senior

**Region:** Rive-Nord

**City:** Sainte-Thérèse, QC

**School:** Externat Sacré-Coeur

**Abstract:** I decided to create a system that could be used in the aerospace industry that could reduce the amount of greenhouse gases released in the atmosphere. I conceived an aircraft engine that uses hydrogen as fuel and a system for creating this fuel. My project talks about water electrolysis, solar cells, turbojets, pulsejets, programming and much more!

### Biography

My name is Émeric Proulx. I come from Sainte-Thérèse, Québec. I study at Externat Sacré-Coeur in Rosemère. I am currently in secondary 5. This is my second year doing a science fair and I am more than happy to have made it to the CWSF. I have always had a great interest in science and technology. My main fields of interest are electronics, chemistry, mechanics, physics and informatics. I tried to combine these diverse interests to make a great science fair project. I think I can say I was successful at doing this. My hobbies include learning, building machines and programming. I like to think that the reason I started doing the science fair was to increase my expertise at these hobbies and simultaneously augmenting my skill in public speaking. In the future, I may try to improve my project's design and functionality to see if it has any potential to be commercialised. Next year, I will be going in a computer science program at college to further my knowledge in programming and the internet.

### Awards

### Value

Canadian Association for the Club of Rome Award - Senior Sponsor: Canadian Association for the Club of Rome	\$1 000
Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$3 000</b>