

**PRIZE WINNERS / GAGNANTS DES PRIX**

**University Prize Exam Results 2012  
Résultats de l'examen du prix universitaire 2012**

88 students from 23 post-secondary institutions competed this year. The exam was run by representatives from the University of Alberta and was held on February 7th, 2012. The examining committee included Ian Blokland (Augustana campus), Andrzej Czarniecki, Richard Marchand, Helmy Sherif (retired) and Frank Weichman (retired). / 88 étudiants de 23 universités ont écrit l'examen cette année. Le concours universitaire 2012 de l'ACP a eu lieu 7 février, 2012. Cet examen fut administré par l'Université de l'Alberta. Le comité d'examen comprenait Ian Blokland (Augustana campus), Andrzej Czarniecki, Richard Marchand, Helmy Sherif (retraité) et Frank Weichman (retraité).

<b>Junjiajia Long</b>	<b>First Prize / Premier Prix</b>	Univ. of Toronto / Univ. de Toronto
<b>Mohammadreza Mohammadi</b>	<b>Second Prize / Deuxième Prix</b>	Univ. of Toronto / Univ. de Toronto
<b>Keith Ng</b>	<b>Third Prize / Troisième Prix</b>	Univ. of Calgary / Univ. de Calgary

4. Rhys Anderson	U. of Waterloo	8. Chris Read	UBC
5. Wilkie Choi	Queen's U.	8. Deshin Finlay	UBC
6. Alexander James	U. of Calgary	10. Kyle Boone	UBC
7. Michael Grudich	Memorial U. of Nfld.		

The first prize winner received an all-expense paid trip to the CAP Congress to receive his cash award during the banquet. / Le gagnant du premier prix a été invité à participer au congrès annuel de l'ACP, toutes dépenses payées, pour recevoir son prix au banquet.

**CAP HIGH SCHOOL PRIZE EXAM - L'EXAMEN DU SECONDAIRE OU COLLÉGIAL DE L'ACP  
-- 2012 NATIONAL WINNERS GAGNANTS 2012 À L'ÉCHELLE NATIONALE --**

1st Prize	Henry Wu	University of Toronto Schools, Ontario
2nd Prize	Yun Jia (Melody) Guan	University of Toronto Schools, Ontario
3rd Prize (tie)	Jiajun Wang	Vanier College, Québec
3rd Prize (tie)	Run Ze Cao	Martingrove Collegiate Institute, Ontario

**2012 CANADA-WIDE SCIENCE FAIR**



**Anna O'Grady, Gr.12**  
Bishops College, Newfoundland

The 52nd Annual Canada-Wide Science Fair, held from May 15-23, 2012 in Charlottetown, PEI, was a resounding success. The CAP sponsored an award for the best physics project in the senior category. The prize included of a cash award of \$1,000. The winner of the 2012 CAP prize was:

**Unveiling Dark Matter: A Study of Dark Matter and its Effects on Galaxy Clusters**

For my science project, I studied the various physical properties of a galaxy cluster, and through my observations, I was able to infer the existence of dark matter. In my project I retrieved data from an astronomical database, transformed the observed values into physical data, and finally calculated the kinetic and gravitational energies of the galaxy cluster.

**Biography :** *I have an interest in good music and movies, and a strong interest in anything science. My main field of science is astronomy and astrophysics, something that I hope to see myself doing as a career. Last year at the CWSF, I received a Silver Medal, the Canadian Association of Physicists Award, and I had the distinct honor of attending the International Summer School for Young Physicists - an experience I will never forget. At the regional science fair this year in Newfoundland, I was the Best in Fair, and I also received an award from the Royal Astronomical Society of Canada. Outside of school, I volunteer at my church every Sunday, and I've been taking piano lessons for twelve years.*

FÉLICITATIONS