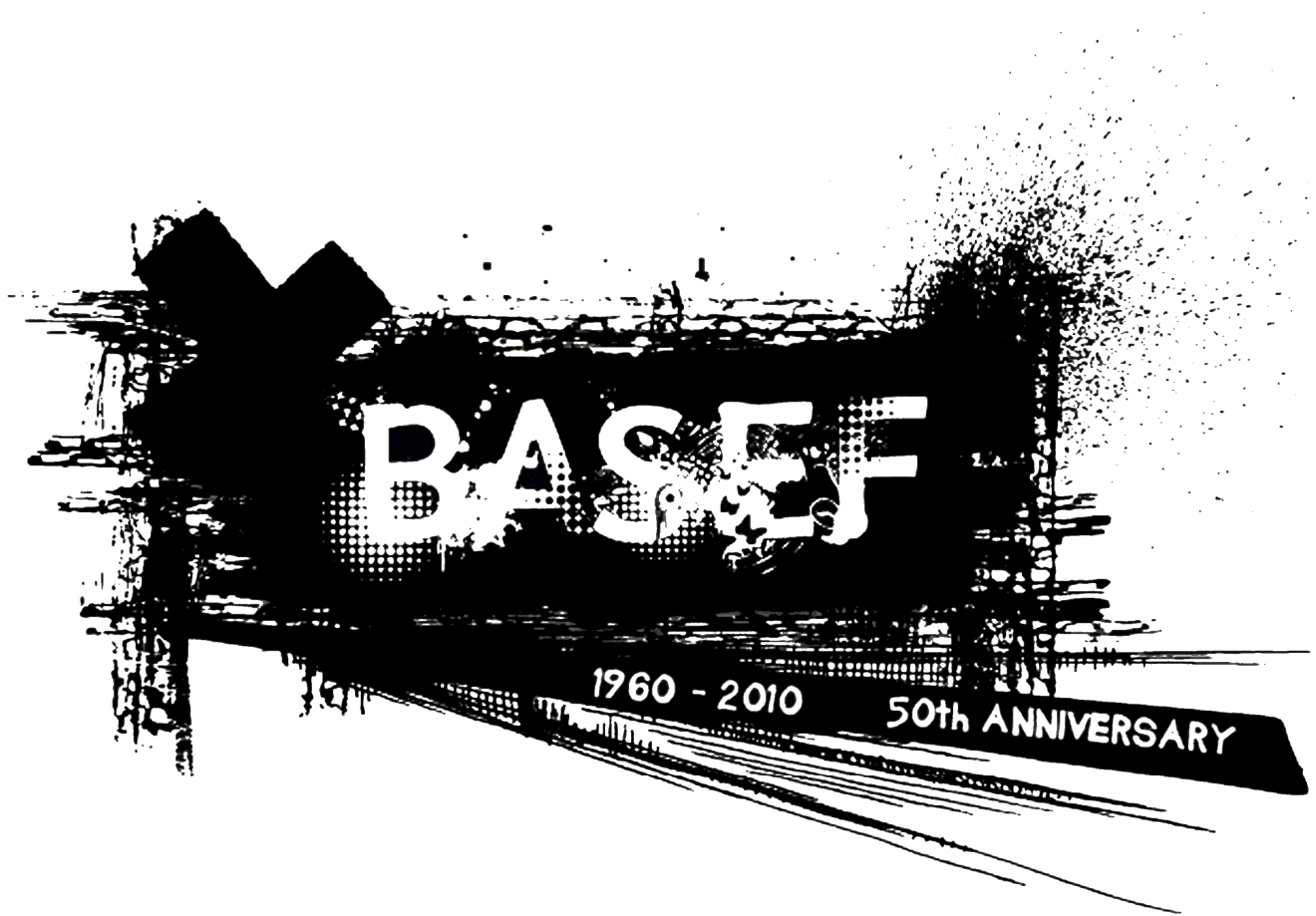


# BASEF 2010

## Annual Report



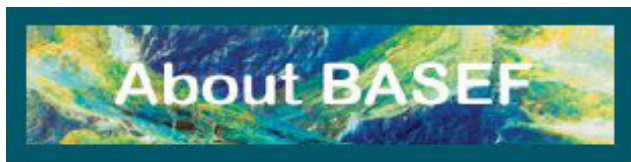
[www.basef.ca](http://www.basef.ca)  
1960 - 2010

**Bay Area Science and Engineering Fair**  
Big ideas. Infinite possibilities.

Sponsored by:



**ArcelorMittal**  
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The Bay Area Science and Engineering Fair (BASEF) is the regional fair for the City of Hamilton, Region of Halton and the Counties of Brant, Haldimand and Norfolk. BASEF is open to over 100,000 students from Grade 7 to 12 in attendance at public, separate, independent, private and home schools. BASEF is a registered charity and volunteer organization with a diverse group of committee

members from business, education, health sciences and industry.

The mission of BASEF is to promote project based science and encourage youth to conduct research in areas of science, engineering and technology, utilizing the scientific method or engineering design process. We believe all students should be given the opportunity to participate in science fairs. Students learn invaluable academic and life skills through researching, experimenting, displaying and presenting their projects. The judging process and public viewing components allow students to practice their “people” and communication skills and gain self-confidence and a sense of accomplishment for a job well done.

BASEF volunteers organized and staged the 50th Annual Regional Fair at McMaster University in Hamilton. McMaster’s administration and staff offered excellent support, cooperation and assistance to BASEF and provided a warm welcome to all of our students, volunteers and visitors.

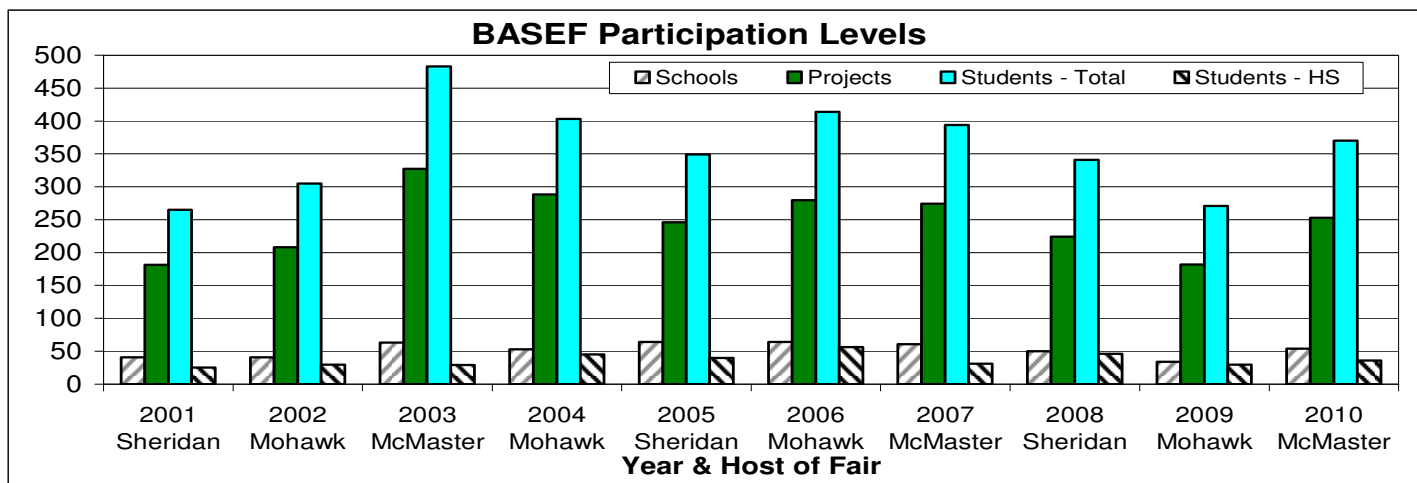
All student participants received a McMaster tote bag containing the official BASEF 2010 t-shirt and bookmark, a photo of their project, information on McMaster University and Mohawk College resources, a Mohawk pen, and a McMaster Science tote bag.

Our goal at BASEF is to make science fair participation a rewarding and enjoyable experience. Students may not win big in their first or even second science fair competition, however they gain the tremendous opportunity to meet other students interested in science and technology, and get a chance to meet and learn from some of our successful science fair veterans.

The BASEF-developed Science Success! materials continue to be utilized on the regional, national and international level. BASEF committee members regularly volunteer their time to assist teachers through judging at school science fairs, mentoring students and easing newcomers through the myriad of required rules, regulations and scientific review requirements.

## BASEF 2010 Highlights

- Over \$138,000 in cash, prizes, trips, scholarships and participation awards.
- Activity Day events included a presentation on IR technology by Predictive Services Canada, the McMaster Engineering Fireball Show, McMaster COOL Chem Cabaret, and the Electric Vehicle Society of Canada.
- 16 students won all-expense paid trips to compete in the Canada Wide Science Fair at Trent University in Peterborough, Ontario, accompanied by 4 chaperones.
- 4 high school students won all-expense paid trips to compete in the Intel International Science & Engineering Fair in San Jose, California, along with 2 chaperones.
- 138 students received Merit Awards, \$6,920 in cash, and \$69,000 in merit scholarships.
- 144 special awards were received, totalling \$14,060 cash plus \$5500 in scholarships.
- BASEF’s YES (Youth Engaged in Science) Outreach Program involved 2 new schools with 10 projects.



# Financial Highlights

## Summary of Disbursements as at August 31, 2010

Expense Summary	%	
Students: Awards/Recognition/Activities	68.3%	\$63,224
McMaster University Host Site Costs	17.3%	\$16,030
Administration	6.8%	\$6,260
Judging (parking, printing, food, etc)	7.5%	\$6,917
Outreach	0.2%	\$144
<b>Total Expenses</b>		<b>\$92,575</b>

## Statement of Operations - Fund Balance

For the period of September 1, 2009 - August 31, 2010  
(unaudited, with comparative amounts for the year ended August 31, 2009)

Revenue	2010	2009
General	\$75,450	\$56,250
Special Awards	\$12,950	\$13,150
Memorial Fund	\$450	\$400
YSC Travel Plan Grant	\$10,400	\$0
Interest/GST rebate	\$358	\$677
<b>Total Revenue</b>	<b>\$99,608</b>	<b>\$70,477</b>
<b>Total Expenses</b>	<b>\$92,575</b>	<b>\$75,195</b>
Excess of Revenue over Expenses	\$7,033	-\$4,718
Fund Balance-Beginning of Year	\$16,078	\$20,796
<b>Fund Balance-End of Period</b>	<b>\$23,111</b>	<b>\$16,078</b>

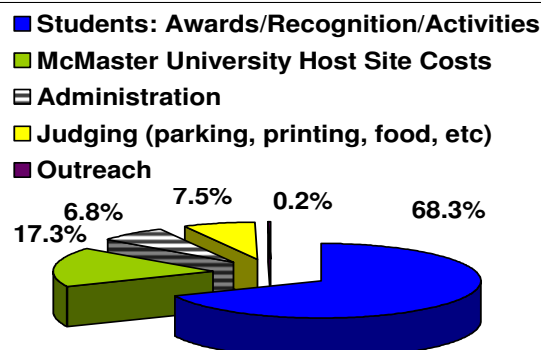
## Administration Expenses as at August 31, 2010

Administration Expenses	%	
Office Expenses	18.9%	\$1,181
Ceremony/Sponsor Recognition	28.0%	\$1,752
Registration	13.8%	\$866
Fundraising, Marketing	23.3%	\$1,458
Bank Charges/Interest	9.4%	\$589
Volunteers	6.6%	\$414
<b>Total Administration</b>		<b>\$6,260</b>

## Disbursements to Students as at August 31, 2010

Student : Awards, Recognition, Activities		
Participation Awards	3.3%	\$2,057
Student Activities	1.3%	\$828
Trophies & Medals	2.4%	\$1,526
Photography	0.6%	\$404
Merit Awards	10.7%	\$6,735
Special Awards	20.1%	\$12,719
CWSF	42.5%	\$26,891
Intel ISEF	19.1%	\$12,064
<b>Total to Students</b>		<b>\$63,224</b>

## Disbursements by Expense Category



## Notes:

- Sponsors donating in-kind services continued to help us provide an exceptional experience for BASEF participants. Key donations included: printing, posters, newspaper advertising, winners' jackets, photo ID tags, accounting, AV equipment, projection screens and web hosting.
- Student awards, recognition and activities were 68% of the total expenses of \$92,575. In addition to these disbursements to students, each participant received a goody bag, and all medal winners (138 students) received \$500 entrance scholarships to either Mohawk or Sheridan College.
- Expenses are higher than in 2009 due to hosting at McMaster University.
- BASEF awarded over \$138,000 in prizes; one of the largest prize purses of regional fairs in Canada.
- BASEF administers the cash awards donated by most sponsors for Special Awards.
- 38 sponsors provided support for BASEF 2010 and we welcomed several new sponsors.
- 20 BASEF students accompanied by 6 adult chaperones competed at the national and international science fairs in May.



Our Top 20 students won trips to either the Canada Wide Science Fair (CWSF) in Peterborough, Ontario, or to the Intel International Science and Engineering Fair (ISEF) held in San Jose, California (both in May 2010).



**Team BASEF @ ISEF2010**



**Team BASEF @ CWSF2010**

### CWSF 2010 Awards

- **GOLD MEDAL ENGINEERING (Junior)** to **Patrick Chong** (Grade 7, Canadian Martyrs' School, Dundas, HWCDSB), for his project, "Brain Drain" which included \$1500. Also, Patrick won a \$4000 entrance scholarship to three universities.
- **SILVER MEDAL COMPUTING AND INFORMATION TECHNOLOGY (Junior)** to **Justine Williams** (Grade 8, Sir William Osler, Dundas, HWDSB), for her project, "What's Your Password". This includes \$700. Justine also won a \$2000 entrance scholarship to three universities.
- **SILVER MEDAL ENGINEERING (Intermediate)** to **Joy Liu** (Grade 10, Westmount High School, Hamilton HWDSB), for her project, "A New Focus: Reflecting Towards Higher Power Output of Photovoltaics", which includes \$700, as well as a \$2000 entrance scholarship to three universities.
- **BRONZE MEDAL ENGINEERING (Junior)** won by **Calvin Rieder**, (Grade 7, Oakville Christian School, Oakville), for his project, "Water, Water Everywhere, Nor Any Drop to Drink, Atmospheric Water Condensers To Provide Pure Drinking Water". This includes \$300 as well as a \$1000 entrance scholarship to the University of Western Ontario. Calvin also won the **CSSE ENGINEERING INNOVATION AWARD (Junior)** which includes \$500.
- **HONORABLE MENTION HEALTH SCIENCES (Junior)** to **Andrew Allen**, (Grade 8, W.H. Morden School, Oakville, HDSB) for his project, "The Effects of Multitasking on the Learning Process". This includes \$100.

### IISEF 2010 Awards

- **Vivian Leung** (Grade 12, Abbey Park High School, Oakville, HDSB) won a **Special Award – 2<sup>nd</sup> Place** from the National Anti-vivisection Society, including a cash prize of \$2,000. In addition, she placed **Fourth in her Category** of Cellular and Molecular Biology, which includes \$500.

Sponsors	Title Sponsor: ArcelorMittal Dofasco	
<b>Diamond (\$10000+)</b> Primary Fluid Systems Youth Science Canada	<b>Platinum (\$5000+)</b> Mohawk College McMaster University Ontario Power Generation	<b>Silver (\$1000+):</b> AVW TELAV, Boehringer Ingelheim, Canadian Linen & Uniform Service, Edward Oldham, Hamilton Economic Development Dept, Halton Catholic District School Board, Halton District School Board, Hamilton Halton Construction Association, Hamilton-Wentworth Catholic District School Board, Hamilton-Wentworth District School Board, Hillfield- Strathallan College, Horne LLP Chartered Accountants, Seldon Griffin Graphics
	<b>Gold (\$2500+)</b> LifeTouch Union Gas Ltd.	
<b>Bronze (\$500+)</b> Ballagh & Edward LLP, Battlegoat Studios, DENM Engineering Ltd, Hamilton Community Awareness and Emergency Response; Deloitte & Touche LLP, Dillon Consulting, Pioneer Hi-Bred, Youth Science Ontario .....and our many Benefactors, and Sponsors at the Friends level.		