Canadian National F1 in Schools Design Challenge

(Toronto, April 30, 2008) Two F1 in Schools teams from the Toronto District School Board School have just won the Canadian national Championship held at the Ontario Science Center on April 30th in their respective categories. Both of the winning teams used PTC's Pro/ENGINEER Schools Edition software to create their designs!

These two teams will be invited by the F1 in Schools international organization to compete at the next world's competition in London England, 2009. Here the "best of the best" will compete to win the coveted Bernie Ecclestone World Championship Trophy and an Automotive Engineering scholarship at City University, London valued at 1.5 million dollars!

The Bullfrog's from Marc Garneau CI won "First place overall" in their category of 2007. Team Manager: Calvin Ma, Manufacturing/Design Engineer: Brendon Ardern Graphic Designer/Design Engineer: Nixon St. Nicholas, Resources Manager/Manufacturing Engineer: Sissi Wang. "We, team bullfrog, are proud to have taken part in this competition. We have gained unforgettable knowledge and memories from this experience. The F1 technology challenge provided a great opportunity for us to meet professionals in these fields. Meeting other teams from across Canada provided us with the opportunities to see other ideas. We believe the F1 challenge is worthwhile and should be continued in schools."

Inferno from Woburn CI won "First place overall" in their category of 2008. Team Manager- Alex Lee, Design Engineer- Joanna Hunt and Martin Lee, Manufacturing Engineer-Shaun Dayaram and Victor Lee, Graphic Designer- Sathya Rambharose. "The F1 in Schools Tech Challenge was a very rewarding experience. We are looking forward to competing next year at the worlds!"

Other winners included: 2nd Place Overall went to the Eagles from SATEC @ Porter in Scarborough for 07 and Mega Movement from Dr. Norman Bethune CI in Agincourt for 08, 3rd Place Overall went to Liquid Vapour from John McCrea SS and liquid Vapour 2 also from John McCrea SS in Ottawa, Fastest Time went to Liquid Vapour with a time of 1.215 seconds for 07 and Inferno for 08 with a time of 1.091 just off the world's record of 1.064 sec, Judges Choice went to the Titans from York Mills CI in North York for 07 and the Bengalis from Sir Robert Borden in Ottawa for 08. Best Car Designed on Mastercam went to Liquid Vapour for 07 and the Bengals for 08. Best Car Designed on Pro/ENGINEER went to Black Widow from Woburn CI for 07 and Mega Movement for 08. Best Team Marketing went to the Bullfrog's for 07 and Inferno for 08.

F1 IN SCHOOLS is a unique High Schools technology challenge that involves the construction of a 1/20th-scale, CO2 powered, Formula One (F1) racing car, out of balsa wood, using Computer Aided Design (CAD), manufacturing technologies and a computer numerical controlled (CNC) router. Students race their cars side-by-side along a 20-metre track at a scale speed of over 220 kph. Students from across Canada have been preparing for weeks for the opportunity to compete against other teams through their displays, oral presentations and of course on the track! Speed Learning!

The F1 IN SCHOOLS competition has grown since its birth in England in 2000, with over 50,000 teams and 20 million students taking part in 27 countries around the globe. Bernie Ecclestone, President and CEO of Formula One Management gave his support to F1 IN SCHOOLS by granting the challenge a world-wide protected trademark and a new logo in 2005. Since this time the initiative has gained the support of several patrons from within the world of Formula One including, Honda Team Principal Ross Brawn, Red Bull Technical Officer Adrian Newey, Force India F1 Chief Technical Officer Mike Gascoyne, Renault Engineering Director Pat Symonds, Williams Technical Director Sam Michael and ITV F1 Commentator James Allen amongst others.

This standard-based challenge seeks to raise the profile of engineering among young people and give them access to the latest technology in the engineering and manufacturing world.

The F1 IN SCHOOLS Challenge is supported by a network of companies including Electrolab Training Systems, Kidder Technologies, Matercam, Ontario Council for Technology Education (OCTE), PTC – Pro/ENGINEER, Solid Works, and the Canadian Motor Sport Hall of fame.

About FI IN SCHOOLS

- F1 IN SCHOOLS is the only global multi-disciplinary challenge for students aged 10 to 18.
- The founding constitution of F1 in Schools stipulates that it is, and shall remain a not-for-profit organization.
- Based in Belleville funds are raised through sponsorship, invested in administering, developing and expanding the challenge.
- Working in teams of between three and six, each student is assigned roles. The team prepares a business plan, develops a budget and raises sponsorship to fund research, travel and accommodation.
- The challenge inspires students to use IT to learn about physics, aerodynamics, design, manufacture, branding, graphics, sponsorship, marketing, leadership, teamwork, media skills and financial strategy, and apply them in a practical, imaginative, competitive and exciting way.
- Using 3D CAM (Computer Aided Manufacture) software, the team evaluates the most efficient machining strategy to make the car.
- Aerodynamics are tested in wind and smoke tunnels and analyzed for drag co-efficiency in a virtual reality wind tunnel using Computational Fluid Dynamics Software (CPD).
- Cars are then raced side-by-side along a 20-metre track at a scale speed of over 220kph.

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Winning team for 2007

"The Bullfrog's"

Team members from left to right:
Nixon St Nicolous, Sissi Wang,
Brendon Ardern and Calvin Ma

Winning team for 2008

"Inferno"

Team members from left to right:
Andrew Berneshawi, Aline Ma,
Nishit Parikh, Nitant Trivedi,
Henry Fung and Cara Thorne.