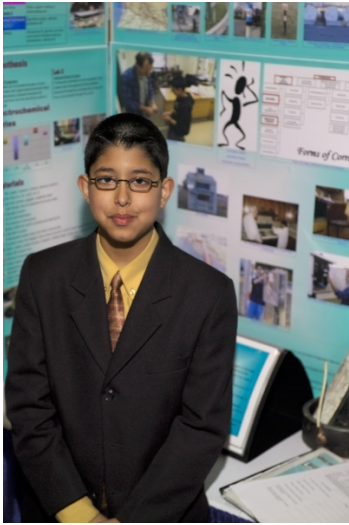


## CWSF 2005 - Vancouver, British Columbia



### Tamiz Ibrahim

#### Cathodic Protection

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** Calgary Youth

**City:** Calgary, AB

**School:** Sir John A. MacDonald Jr. High School

**Abstract:** Metal pipelines are susceptible to corrosion and while the presence of a coating will reduce the amount of corrosion, only the application of cathodic protection will guarantee that corrosion will be controlled. Research shows that in Canada, corrosion expenses are \$6 billion dollars a year. This is a shocking statistic but the fact is that most of the corrosion related problems are preventable.