

### **Delaware Valley Science Fairs 2010**

By: Tony Dougherty, P.E. – Past President

Another year goes by and another Delaware Valley Science Fair was held at the Greater Valley Forge Expo Center in Oaks, PA. As usual, the entries in the fair never cease to amaze us with their ingenuity and intelligence. This year the judging was completed by board members, Jim Thompson, Tony Dougherty, and Anthony Handley. As in years past, the event consists of 5 fairs spanning the grade levels, 12<sup>th</sup>, 11<sup>th</sup>, 10<sup>th</sup>, 9<sup>th</sup>, and one fair for grades 6<sup>th</sup> through 8<sup>th</sup>. Each fair (grade level) was reviewed separately and the winner in each grade level received the Valley Forge Chapter award for engineering achievement. For the high school fair levels, a second prize for innovative engineering was awarded. The winners of these awards are as follows:

Fair	Prize	Project	Student
<b>12th Grade</b>	<b>1st</b>	<b>Solar Powered Water Remediation</b>	<b>Kelsey Wheeler – Moorestown, NJ</b>
	2 <sup>nd</sup>	Dampening Control on Projectile Accuracy	Michael Roche – Middletown, NJ
<b>11th Grade</b>	<b>1st</b>	<b>Glass Bone Implants</b>	<b>Raina Jain – Bethlehem, PA</b>
	2 <sup>nd</sup>	Engineering Composite Materials for the Future	Alexander Shaffer – Nazareth, PA
<b>10th Grade</b>	<b>1st</b>	<b>Harvesting Energy from a Rocking Buoy</b>	<b>Alan Wu – Audubon, PA</b>
	2 <sup>nd</sup>	Effect of Infrared Light on Heating of Water by a Parabolic Solar Reflector	Bryan Wang– Marlboro, NJ
<b>9th Grade</b>	<b>1st</b>	<b>Homemade Microbial Fuel Cell</b>	<b>Brendan Betts – Easton, PA</b>
	2 <sup>nd</sup>	Study of Redundancy in Truss Bridges	Eric Todd - Audubon, PA
<b>6th-8th Grade</b>	<b>1st</b>	<b>Arrangement of Natural Materials to Effectively Filter Water</b>	<b>Michelle Moffa – Linwood, NJ</b>

Congratulations to all of this year's winners. Let's all hope that these promising young students continue to pursue engineering as their interest, career choice, and/or area of study. If anyone is interested in judging next year, please don't hesitate to contact Tony Dougherty, P.E.