



Volunteers from Detroit Diesel are **Rich Mandle**, 2007 NAFTA Electronics Program Manager left, and **Mark Johnson**, Manufacturing Engineer-Series 60 AEM line, center.

AWIM Exhibited at Congress

The *A World In Motion* had an exhibit booth during the 2006 SAE World Congress.

The booth was staffed by George Chene from ArvinMeritor; Yolanda Raymond, Rich Mandle, Mark Johnson, Kimberly Rowe, Greg Braziunas all from Detroit Diesel; Jennifer Goforth from General Motors; and a retired Ford employee, Ed Debler. Many thanks to these volunteers who took time away from work to support AWIM.

DDC volunteers have participated in AWIM for eight consecutive years, spending time with 4th and 5th graders in local schools to pique their interest in math and science.

Having a presence during World Congress provided the chance for engineers and industry representatives to learn more about the K-12 educational opportunities SAE provides to teachers and outreach programs. Feedback from the attendees has been very positive about the activities, especially the latest Challenge 4, Electricity and Electronics.

The following are *A World In Motion* workshops/conferences/events scheduled for May and June:

May 1

SKILLS Conference
Kitchener, Ontario, Canada
Workshops

May 11

Lockheed Aerospace
Ft. Worth, TX
Volunteer workshop

May 24

SAE Banquet
Detroit, MI
AWIM student displays

June 8

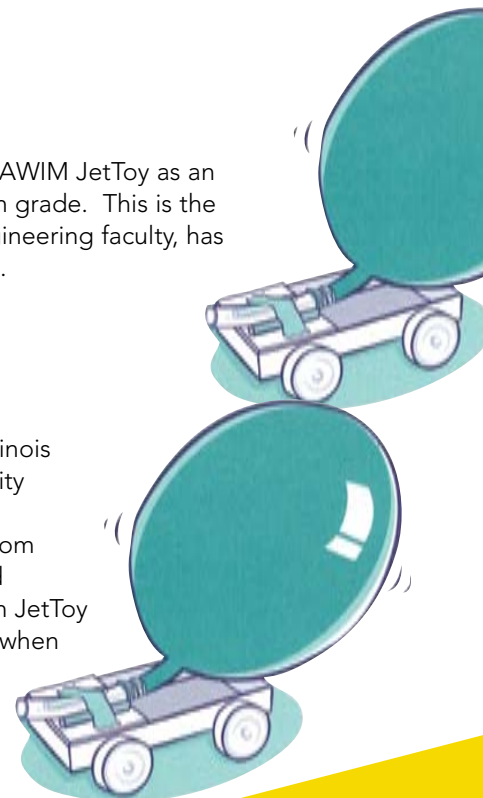
Volunteer Recognition
General Motors Volunteers
Pontiac, MI

Hawaii

The Noelani Elementary School has adopted the AWIM JetToy as an integrated part of the curriculum for the entire 5th grade. This is the second year that Randy Akiona, from the civil engineering faculty, has provided the engineering support and mentoring.

Illinois

Lakeview Museum of Arts & Sciences in Peoria, Illinois recently held their National Engineers Week activity to encourage young children to pursue careers in math, science and engineering. Five engineers from Caterpillar coordinated an SAE display booth and worked with each child to build and test their own JetToy balloon powered car. Loud "cheers" were heard when some of the children saw how well their JetToy performed.





Leading The Way
For South Georgia



AWIM Underway in Dougherty County, Georgia

WALB TV Channel 10 in Albany, Georgia interviewed *A World In Motion* Program Developer Matt Miller during a workshop for one-hundred 3rd and 5th grade teachers.

Mrs. Nan Ward has started the *A World In Motion* program in her science classes at Lake Park Elementary in Albany, Georgia. Almost 100 students have been introduced to the JetToy through Mrs. Ward's leadership. Brad Lockhart, from Proctor and Gamble, has been the volunteer engineer.

This is just the beginning of what should be a high participation of AWIM for the Dougherty County Georgia students.

A journal reflection from a 6th grade student

"Being a design engineer means I have to think abstractly, be creative and ask questions. You need to think out of the box to design and build something that will work and appeal to an audience"

Siffat Islam, 11 years old
William Diamond Middle School, Lexington, MA
Richard Comeau, Teacher

New York City

The SAE *A World In Motion* participated in the 29th Annual Science Council of New York City (SCONYC) Conference by having a display and workshops on all 4 Challenges. This year the theme was *Strengthening Partnerships to Promote Quality and Accountability in Science Education*. Partaking in the conference has given AWIM the opportunity to exchange information with other professionals and identify new partners and resources that will improve the quality of science education.

In the 29 years as a science education organization SCONYC has stayed the course in focusing on the science educational needs of over one million children of the Greater Metropolitan Area of New York City. AWIM was pleased to share in this experience with the professional community and those whose lives are touched in the classroom.

K-12 Education Committee

The K-12 Education Committee, composed of teachers and engineers/industry volunteers from various regions throughout the United States and Canada, held a face-to-face meeting in Detroit during the SAE World Congress. Plans have met with approval to continue enhancing the *A World In Motion* program.

South Carolina - ARVINMERITOR Education and Industry..... A Partnership That Works

Marion Motion Controls LVA facility of ArvinMeritor sponsored the Challenge 2 program at four Marion County Middle Schools in South Carolina to 83 students in the eighth grade. Twenty-eight LVA volunteers and three outside guest judges participated. Each team was challenged with making a new, motorized toy vehicle for a fictitious toy company. During the 10 weeks of this project, the teams completed a market survey to determine their toy design, and developed visual aids based upon the market survey information. Students then began using their knowledge to develop and troubleshoot their designs. The vehicles were then decorated and a presentation was made to the toy company. The team process allowed participation of the students in science, mathematics, marketing, communication, graphic design and physics.

The AWIM program is very popular among the support staff at ArvinMeritor and they look forward to continue their working with the students year after year.





COMMENTS FROM TEACHERS AFTER ATTENDING WORKSHOPS

Thank you very much! This was excellent! Can't wait to start!

My interest has been sparked

Great science ideas

Interesting and fun

The SAE workshop was very inspirational
It got me fired up about science

Thanks for sharing this great resource

I believe these workshops will improve my teaching

Awesome info!

Great to be able to get hands-on materials free

The science portion of AWIM is excellent and I am
very excited to try out the new kits

Fun, fun, fun hands-on activity

Loved the SAE part

I will share with schools not represented

I'm thrilled I came to the workshop!

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