



November/December 2005 Newsletter

Message from the President

Welcome

This month, the Potomac Chapter is pleased to welcome members of the District of Columbia Council of Engineering & Architectural Societies (DCCEAS) and affiliate chapters within MDSPE who will be joining us for our December 8th meeting. We look forward to sharing with you all, and we are hopeful that we can continue the tradition of joint meetings throughout the year. Maybe next time, we can send members to one of your events. If we all continue to collaborate, the profession will be well served.

MATHCOUNTS

As the new year approaches, we are busily preparing for the 2006 MATHCOUNTS competition that is scheduled to take place on February 11th at the University of Maryland. Although most of you are familiar with the MATHCOUNTS program, I have provided a brief summary below for those who are not.

MATHCOUNTS is a national math enrichment, coaching and competition program that promotes middle school mathematics achievement. The program is active in every U.S. state and territory. With over twenty-two years experience, MATHCOUNTS is one of the most successful education partnerships involving volunteers, educators, industry sponsors, and students.

After several months of coaching, participating schools select students to compete individually or as part of a team in one of the more than 500 written and oral competitions held nationwide and in U.S. schools overseas. Winners at the local level proceed to state competitions, where the top four "Mathletes" and top coach earn the right to represent their state or territory at the national level competition, which is shown on ESPN. At all levels, MATHCOUNTS challenges students' math

skills, develops their self-confidence and rewards them for their achievements.

The Potomac Chapter is proud of the strong participation and performance of the Mathletes that have participated in years past. We are expecting to continue the tradition in 2006. If you would like to contribute as a sponsor or volunteer, just let me know.

Recent Activities

In November, the Potomac Chapter partnered with the Maryland Engineering Licensing Board (Skip Harclerode II, P.E.) and the University of Maryland's Clark School of Engineering (Heidi Sauber) to present the benefits of licensure to engineering undergraduates. The response was more than we would have imagined. Over one hundred students -- from freshmen through graduate students -- attended the presentation! The overwhelming majority of students indicated that we were providing new and useful information and indicated that they are more likely to pursue licensure as a result of the presentation.

November/December Meeting

I look forward to seeing everyone at this month's meeting at the Golden Flame in Silver Spring, MD. If you have any questions or comments for me, please feel free to call or e-mail me. My contact information can be found in the Listing of Officers on the final page of this newsletter.

Dwight L. Williams, Ph.D., P.E.
President, Potomac Chapter, MDSPE

November/December 2005 Meeting **"D2" Comes to Life: Dulles Airport's Expansion**

Thursday 12/8/05
Networking 6:30 p.m.
Meeting 7:00 - 9:00 p.m.

Location
Golden Flame Restaurant
8630 Fenton Street
Silver Spring, MD 20910
(301) 588-7250

(continued over)

Washington Dulles International Airport's growth projections for both passengers and aircraft operations highlighted the need for more airport facilities in the future. In 2000, the Airports Authority Board of Directors approved a second phase of capital investment. The Board approved \$3.4 billion in projects which are part of D2, the Dulles Development program.

The D2 projects completed so far include two new Daily Parking Garages, underground passenger walkways with moving sidewalks connecting the garages to the Main Terminal and connecting the Main Terminal to Concourse B, reconstruction of Runway 12-30, new permanent Z-gates at the Terminal, and the renovation of the original 1962 Eero Saarinen-designed terminal, including improved ticketing counters and new baggage claim devices.

Projects currently underway include improving the roadways, expanding Concourse B, building a new Airport Traffic Control Tower, and constructing an automated Airport Train System and train stations. A new Security Mezzanine is also included in the construction of the Main Terminal Train Station. Future D2 projects call for expanding the Z-gates, constructing a fourth and fifth runway, and building a new permanent Concourse beyond the present location of Concourse C and D. Dulles is in a constant state of evolution and improvement. The challenge for the Airports Authority is to continue to keep pace with growth in air service and meet the future traveling needs of the Washington region.

As always, there will be an opportunity for questions and discussion following the talk. We look forward to seeing you at the Golden Flame. (An all-you-can-eat dinner will be served for \$25. Please contact Issa Khozeimeh to RSVP.)

Speaker's Biographical Summary

Gregg Wollard, P.E. has worked on behalf of airport owners and operators for more than 16 years providing planning, development and engineering support. Currently, he works for the Metropolitan Washington Airports Authority's Office of Engineering which is the owner/operator of Reagan National and Dulles International

Airports. He has been involved with airside and landside capital development, master-planning, programming, scheduling and budgeting for the Airports Authority as well as general aviation and medium hub airports. Gregg graduated from the University of Maryland with a Bachelor of Science in Civil Engineering with a minor in transportation. He is a Licensed Professional Engineer and an Accredited Airport Executive (AAE).

Potomac Chapter 2005 - 2006 Calendar

January 2006 (Thursday 1/26/06)

Activity: *Missile Defense Program*

February 2006

Activities: *EWeek, Mathcounts, Family Day*

EWeek, 2/19/06 - 2/25/06

Mathcounts, 2/18/06

Family Day, 2/25/06

March 2006 (Thursday 3/30/06)

Activity: *Multidisciplinary Engineering Panel*

April 2006 (Thursday 4/27/06)

Activity: *The Air and Space Museum*

May 2006 (Thursday 5/20/06)

Activity: *Year in Review/Transition Meeting*

Potomac Chapter 2005 - 2006 Officers

President: Dwight L. Williams, Ph.D., P.E.
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Vice President: Bruce Cranford, P.E.
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Treasurer: Jayadev Telikicherla, P.E.

Secretary (Acting): Randy Petersen, P.E.

Past President: Randy Petersen, P.E.

Chapter Directors: Tom Dixon, P.E.
Karin Castro-Kass, P.E.
Issa Khozeimeh, Sc.D., P.E.
Frank Winfield, P.E.
Leslie A Grant, P.E.