



American Society of Civil Engineers

Our web site: <http://sections.asce.org/columbia/index.html>

# Columbia Section

Since October 10, 1950

## Newsletter

February 2009

### Columbia Section Board

Jay Marlow

**President**

Phone: (509) 942-7540 (B)  
[jmarlow@ci.richland.wa.us](mailto:jmarlow@ci.richland.wa.us)

Paul Smith

**Vice President and President Elect**

(509) 374-4248 (B)  
[Psmith@mackaysposito.com](mailto:Psmith@mackaysposito.com)

Chris Ells

**Secretary/Treasurer**

(509) 783-2144 (B)  
[cells@jub.com](mailto:cells@jub.com)

William C. Kinsel

**Past-President**

Phone: (509) 372-7206 (B)  
[kinsel@tricity.wsu.edu](mailto:kinsel@tricity.wsu.edu)

Natalie Martinkus

**Yakima Branch President**

(509) 457-4009 (B)  
[natalie.martinkus@otak.com](mailto:natalie.martinkus@otak.com)

Bernard (Ben) W. Volk

**Director- Tri-Cities**

(509) 783-2144 (B)  
[bvolk@jub.com](mailto:bvolk@jub.com)

**Walla Walla Director** - Open

Dave Krumbein

**Director-Pendleton/LaGrande**

(541) 278-5748  
[DKRUMBEIN@Bluecc.edu](mailto:DKRUMBEIN@Bluecc.edu)

**Yakima Director** – Open

Julie Nelson

**Newsletter Editor**

(509) 942-7461 (B)  
[jnelson@ci.richland.wa.us](mailto:jnelson@ci.richland.wa.us)

Bernard (Ben) W. Volk

**Historian**

(509) 783-2144 (B)  
[bvolk@jub.com](mailto:bvolk@jub.com)

**Structural Group Chairman**-Open

Donald P. Kurkjian

**Webmaster**

(509) 371-3489 (B)  
[Dkurkjian@yahoo.com](mailto:Dkurkjian@yahoo.com)

### Columbia Section Meeting

**Date:** Wednesday, February 25<sup>th</sup>, 2009

**Place:** **Shilo Inn, George Washington Way, Richland**

**Meal:** Buffet (Chef's choice) - \$15 per person  
Please pay cash or check to treasurer at meeting

**Topic:** Groundwater Modeling, Monitoring, and Sampling

**Speaker:** Craig Arola, Senior Environmental Scientist  
Vista Engineering Technologies, LLC

Lunch will start at 11:30, and the presentation will begin at Noon.

RSVP to: Paul Smith, [Psmith@mackaysposito.com](mailto:Psmith@mackaysposito.com) or 509-374-4248  
by February 24<sup>th</sup>, 2009.

Dear Members:

What a great turn out we had for our meeting in January! I'd like to thank all who attended and of course a big thank you to Mark Kushner of the Benton Franklin Council of Governments. The information Mark provided on the Economic Stimulus package was very timely and informative.

I also wanted to let ASCE members know that we have purchased a table at the upcoming 2009 Tri-Cities Engineers Week Banquet scheduled for this Friday, February 20, 2009 at 6:00 pm. There are currently eight seats available. There is no cost and they will be distributed on a first come first serve basis. Please contact Mr. Bill Kinsel at 372-7206 if interested.

I hope to see you at this months meeting.

Sincerely,

Jay Marlow, P.E.  
Columbia Section, President

## Presentation

### **Groundwater Modeling, Monitoring, and Sampling**

- 1) Groundwater Modeling
  - a. Introduction
  - b. Types
  - c. Parameters
  - d. Methods of Analyses
  - e. Case Studies
- 2) Groundwater Monitoring and Sampling
  - a. Introduction
  - b. Well Drilling and Installation
  - c. Sample Collection and Analyses Techniques
  - d. Case Studies

## Speaker

Craig Arola, Senior Environmental Scientist  
Vista Engineering Technologies, LLC

Mr. Arola is a Senior Environmental Scientist for Vista Engineering Technologies, LLC in Richland, Washington. For 13 years, Mr. Arola has consulted nationally with work focused on investigation and remediation of contaminated sites; regulatory standards compliance; environmental permitting; geotechnical investigations; and modeling contaminant flow, fate, and transport in environmental media. Mr. Arola is currently chair of the National Groundwater Association (NGWA) deep groundwater investigations interest group committee. Mr. Arola is a licensed geologist in the states of Oregon, Washington, and Wisconsin. He has a B.A. in Environmental Sciences from the University of Virginia, and an M.S. in Geology from the University of Wisconsin-Madison.

# Engineering Day for Kids

Parents, do your children like to solve problems, work puzzles, and figure out how things work? Do they “think outside the box” when playing or creating? Then they could be budding engineers!!

Bring your children to the Hopf Union Building (HUB) on the Yakima Valley Community College campus on Saturday, February 21 for a fun-filled day of hands-on activities geared towards helping your children explore the connections between math, science and engineering.

Engineer’s Week is held every year in February to promote the many aspects of engineering to the youth in each community. The children of today are tomorrow’s leaders, thinkers, inventors, and explorers.

**What:** Hands-on activities to help children explore the connections between math, science and engineering.

**When:** Saturday February 21, 2009 from 9am – 2pm

**Where:** YVCC in the Hopf Union Building (HUB)

**Who:** Elementary school-aged children

**Hosted by:** Yakima Branch of the American Society of Civil Engineers (ASCE) and the Engineering Department at YVCC

**Cost:** FREE

**Contact:** Natalie Martinkus at 457- 4009 or [natalie.martinkus@otak.com](mailto:natalie.martinkus@otak.com)



**ENGINEERS  
WEEK® 2009**  
FEBRUARY 15-21



**ENGINEERS  
WEEK® 2009**  
FEBRUARY 15-21

# *Engineers Make It Work*® **2009 Tri-Cities Engineers Week Banquet**

Made possible by the:

**WSU Tri-Cities Engineering Program**

**Featuring: Deidre Holmberg, Planning Principal,  
Delta High School**

presenting

*The New Tri-Cities Science, Math, Technology and Engineering  
(STEM) High School*

**Friday, 20 February 2009**

**Red Lion Hotel, Richland, WA**

**6:00 pm – Social hour with no host bar**

**6:30 pm – Buffet Dinner**

*Sauteed Marsala Chicken on Creamy Polenta*

*Mustard Crusted Pork Loin on Apple & Hazelnut Dressing*

*Baked Cheese Ravioli with Fresh Spinach and Rich Roasted Tomato Sauce*

*Tossed Garden Greens with Assorted Dressing*

*Chef's Choice Salad*

*Garlic Mashed Yukon Gold Potatoes*

*Medley of Northwest Vegetables Sautéed*

*Assorted Decadent Dessert Bars*

*Coffee Service, Ice Tea*

**7:15 pm – Program**

**DINNER RESERVATIONS are required by Noon Monday, Feb. 16th**

**COST: \$30 / person or \$250 / table (seats 10 people, advanced purchase only)** Individuals should contact their Society to see if they will be arranging to pool their members for reserved tables.

**For Information or Reservations (table or individual):**

**Kristen Wilson, [kristenwilson@tricity.wsu.edu](mailto:kristenwilson@tricity.wsu.edu) or 372-7614**

National EWeek Chairs for 2009: INTEL Corporation and the National Society of Professional Engineers

Learn more at: [www.eweek.org](http://www.eweek.org)

Engineers Make It Work