



American Society of Civil Engineers
North Carolina Section

Northern Branch News



The News

April 2008

Volume XI, Number 8

Meeting Info

Program: Turnpike Authority

Toll Road Project Development

Speaker:

Shannon Sweitzer, PE

UPCOMING (see also pg 6)

Stream Restoration with Darrel Westmoreland of North State Environmental

PRESIDENT'S MESSAGE

Spring is really here! We all enjoy the warmer, longer sunlight days and beautiful flowers that come with this time of the year. Officer elections/changes also come with the spring time for our Branch. If you would like to volunteer to work with the officers, we would be glad to have you join us. You will enjoy working with the Branch and may determine what topics the next presenters will offer or what interesting events the Branch will do over the next year and be involved with other items like these. If you can help for a any amount of time, it is greatly appreciated and makes the Branch continue to operate smoothly and to all of our benefit. Contact any of the officers for more information.

NC A&T was the Conference host for many interesting events. Our Branch set up at the Concrete canoe competition and the weather was fantastic. The environmental event was very good and all teams were very professional. All 5 schools that participated in the Environmental competition did an extensive amount of work to present at the competition. The focus was to find a building or area on campus that could be retrofitted for a more "Green" affect. Several suggestions were for providing ways to use less water for showers and lavatories. Others had creative ideas to install rainwater capturing systems for irrigation use on ball fields as a supplement to existing irrigation systems. They performed a cost analysis, presentation poster and well developed presentations as part of the competition. You missed an excellent event if you were not there. Clemson University, The Citadel and UNC Charlotte were the top 3 competitors. Duke University and NC A&T also did well, competition was tough and the amount of work done by all teams was very evident. This Conference will come back to Greensboro in 2017.

Scholarships will be given to each of the winning students this meeting. Each of the applicants did a good job. We will briefly highlight their essays as time allows. Be sure to be there to hear what they thought and wrote about.

We look forward to seeing all of our regular members and others who want to attend. SEE YOU THERE! *Newsletter editor*

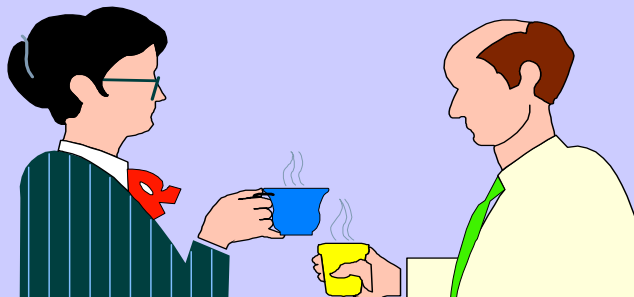
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Auditing (Sec'y/Treas)

Chair: Shannon Austin
Phone: 336/499-3866
Balance in our checking account
= \$4,458.53 (1/31/2008)

WEDNESDAY Meeting APRIL 23, 2008



North Carolina A&T College of Engineering

Civil and Environmental Engineering Dept. (336) 334-7737
Faculty Student Advisor: Dr. Nathan Huynh. nnhuynh@ncat.edu

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The Chapter's Web page is www.angelfire.com/nc2/asce

Last Month's Meeting

The Carolina's Conference was exciting this year. Several projects were outstanding and winning students went home with awards and trophies for their efforts. It was held March 27 to 29th and our Northern Branch was present at the Concrete Canoe contest. We want to thank all the engineers and members who helped out to make the many events a success. Our Vice President, Nathan Huynh spent a lot of time and effort managing the entire Conference and deserves a hearty "well done".



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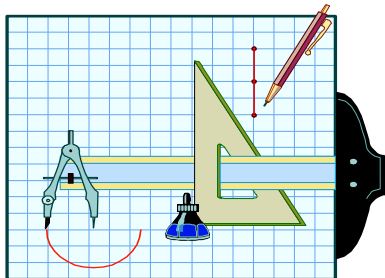



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11/13/07

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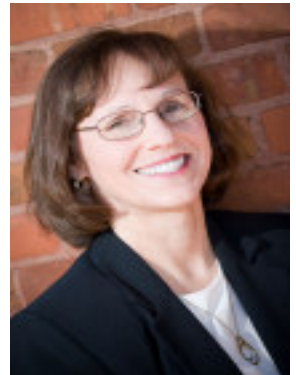
Career Announcements

Stimmel Associates, PA, a Landscape Architectural, Land Planning and Civil Engineering firm in Winston-Salem, with projects throughout the southeast, is pleased to announce **Jessica Montgomery, PE** has joined the company as a Project Engineer. Montgomery graduated from University of North Carolina at Charlotte with Bachelor's and Master's degrees in Civil Engineering. Jessica is looking forward to working on a wide variety of projects with Stimmel. She is a registered engineer in North Carolina and President of the local chapter of the American Society of Civil Engineers – Northern Branch. Jessica works in the Land Planning and Civil Engineering Department designing and preparing engineering/construction drawings for various types of projects.

JEWELL Engineering Consultants, PC is pleased to announce that Cynthia (Cindy) C. Lancaster, PE, has joined the firm as a Water Resources Project Engineer/Manager. She holds Bachelor of Science and Master's degrees in Civil Engineering from NC State University and a Master's degree in Environmental and Water Resources Engineering from the University of Texas. Cindy has been involved with various aspects of water resources engineering for more than 20 years performing and managing a variety of stormwater projects for local governments and private developers with a focus on integrating solutions to address flooding, erosion and water quality concerns. Cindy recently relocated to North Carolina from Austin, Texas, where her engineering experience also included involvement with transportation, solid waste management, and residential and commercial development projects in several states.

JEWELL Engineering Consultants is based in Kernersville, NC, and provides Water Resources and Civil Engineering services to local governments, individuals, and commercial and industrial clients throughout the Piedmont Triad area as well as across North Carolina. These services include surface water and stormwater management, municipal stormwater programs, water-related permitting, flood control, dam engineering, stream stabilization/restoration, lake management, drainage design, sediment and erosion control, hydrologic and hydraulic modeling, expert witness services, and general civil engineering.

For additional information contact Doug Jewell at 336-996-9974.



Carolina's Conference Concrete Canoe Contest

2008



2008 NORTHERN BRANCH SCHOLARSHIP ANNOUNCEMENT

We have scholarship winners!!! The topic for this year is “**How can civil engineers better communicate to the public and the media the urgency and importance of caring for the nation’s overburdened infrastructure (i.e. bridges, dams, drinking water and sewer systems) ?**” They will be awarded during the April ASCE meeting. Students have written very good essays in previous years and we look forward to reviewing this year’s entries.

Upcoming events this year. Please mark you calender!



- April 23, 2008,** NC Turnpike Authority: Will discuss information on transportation finance, how toll roads will be used and current projects, Kernersville, NC (ASCE Northern Branch meeting)
- April 28, 2008,** Spring Technical Workshop at McKimmon Center, Raleigh, NC
- May 21, 2008,** Darrell Westmoreland, North State Environmental: Stream Restoration, Kernersville, NC (ASCE Northern Branch meeting), Tentative
- June 18, 2008,** Winston-Salem Ball Stadium Project update, Kernersville, NC (ASCE Northern Branch meeting)
- August 20, 2008,** Civil Engineering liens & Contracts, Conner-Gwynn-Schenck, Kernersville, NC (ASCE Northern Branch meeting), Tentative
- September 11-12th,** Annual Conference, Marriott Executive Park, Charlotte, NC
- September 17, 2008,** Denise Poulos from ECS: Wetland Topics

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Northern Branch
ASCE MEETING in Kernersville

DATE: Wednesday, April 23, 2008

TIME: 12:00 PM – 1:00 PM Lunch Meeting
(Please arrive between 11:30 and 11:45am to register)
Do not pay upfront. Find the meeting room and pay ASCE.

LOCATION: Fire Mountain Buffet
1180 S. Main Street
Kernersville, NC

COST: Members: \$15
Guests: \$20
Students: \$5

PROGRAM: Toll Road Project Development - The Integration of Engineering, Financing, and Operations (1.0 PDH)

This presentation will provide a short history of the North Carolina Turnpike Authority (NCTA), why the agency was created, and how NCTA has developed and is developing in delivering future transportation projects. The presentation will discuss the Engineering, Financing and Operation details and how they are integrated in the development of a successful toll facility.

SPEAKER'S BACKGROUND:

Shannon Sweitzer is a North Carolina native having grown up in the Cary-Apex area. He attended North Carolina State University and received a Bachelor's degree in Civil Engineering. Shannon began work with the NCDOT directly out of college as an Assistant Resident Engineer. During his 15 years with NCDOT he also held the positions of Resident Engineer, Roadway Construction Engineer for Division 5 and 8, State Pavement Construction Engineer, and State Roadway Construction Engineer.

Shannon is a licensed engineer in North Carolina. He is active in TRB, being a member of both the Asphalt and Concrete pavement committees and is a member of ASTM and AAPT.

DIRECTIONS: From Greensboro: Take the I-40-BR exit (EXIT 206) toward US-421 N / KERNERSVILLE / WINSTON-SALEM DOWNTOWN. Merge onto I-40 BR W / US-421 N. Take the S MAIN ST exit (EXIT 14). Turn LEFT onto S MAIN ST / NC-150. Continue to follow S MAIN ST. End at 1180 S Main St, Kernersville, NC 27284-7480.



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Member ASCE, NSPE, AISC

Below is a summary of the officer's responsibilities. We encourage any member who would like to be an officer to help the Branch-please consider volunteering! You can contact any of the current officers to volunteer and be nominated for an office. Nominations and election of officers is coming up. Thanks to all our members over the last year for your attendance at meetings. It really is enjoyable to meet together, see a great presentation, have a meal and associate with other engineers, whether new friends or old acquaintances.

**AMERICAN SOCIETY OF CIVIL ENGINEERS
NORTH CAROLINA SECTION
NORTHERN BRANCH**

OFFICERS' RESPONSIBILITIES

Revised April 25, 2000

President

- ◆ Sets the agenda for and presides over monthly meetings
- ◆ Established Branch Committees and oversees their activities
- ◆ Solicits ads for the Branch newsletter and sends up-to-date business cards to the Editor, as necessary
- ◆ Prepares the "President's Message" and all other announcements of interest to the membership for the Newsletter and sends all to the Editor
- ◆ Schedules and presides over Board of Directors meetings.
- ◆ Coordinates with Branch Representatives on Section activities
- ◆ Establishes Nominating Committee for appointment of officers for following year

Vice President

- ◆ Arranges monthly meetings, including location, speaker and meals.
- ◆ Assigns individual to serve as ASCE Branch Representative to PCETS
- ◆ Sends reminders and thank-you letters to speakers as necessary
- ◆ Serves on the NC Section Inter-Professional Activities Committee, usually
- ◆ Attends monthly Board of Directors meetings

Secretary-Treasurer

- ◆ Maintains up-to-date Branch membership information, and meeting attendance records
- ◆ Upon receipt of master copy of Newsletter from the Editor, sends copies to the Newsletter to the Branch membership at least one week prior to the monthly meeting.
- ◆ Brings name tags, attendance sign up sheets and ASCE Applications to monthly meetings
- ◆ Communicate Branch activities to the Section Newsletter (The Bulletin)
- ◆ Maintains Branch finances
- ◆ Attends monthly Board of Directors meetings
- ◆ Prepares the Annual Report for the incoming Secretary

Branch Representatives

- ◆ Serves on the NC Section Board of Directors as the Northern Branch Representative
- ◆ Attends monthly Section Board meetings which are held at various locations across North Carolina – making reports on Branch activities as necessary
- ◆ Reports on Section activities and/or initiatives to the Branch at monthly meetings. A one-page summary of the report should be submitted to the President for his/her information.
- ◆ Attends monthly Board of Directors meetings