St. Louis Section
Officers & Directors
2009-2010

President
Nielsen R. Palmer
Nielsen Engineering, LLC
7338 Pershing Ave.
St. Louis, Missouri 63130
Phone: (314) 727-6484
E-mail: nielsenengr@charter.net

President-Elect
Adam Spector
St. Louis County Highways & Traffic
121 S. Meramec Ave.
St. Louis, MO 63105
Phone: (314) 615-8594
Fax: (314) 615-8156
E-mail: aspector@stlouisco.com

Vice President
Elise Ibendahl
CH2M-Hill
1034 S. Brentwood Blvd
Suite 2300
St. Louis, Missouri 63117
Phone: (314) 335-3022
Fax: (314) 421-3927
E-mail: eibendah@ch2m.com

Secretary
Steve Randolph
Horner & Shifrin, Inc.
5200 Oakland Ave.
St. Louis, Missouri 63110
Phone: (314) 335-3022
Fax: (314) 421-3927
E-mail: srandolph@hornershifrin.com

Treasurer
Marc Bacchetti
David Mason & Associates
800 S. Vandeventer
St. Louis, Missouri 63110
Phone: (314) 534-1030
Fax: (314) 534-1053
mmbacchetti@davidmason.com

Director of Administration
Al Fandrey
Barr Engineering Company
3236 Emerald Lane
Jefferson City, MO 65109
Phone: 573-636-5331
Fax: 573-636-5323
E-mail: afandrey@barr.com

Director of Professional Development
Shawna Erter
SCI Engineering Inc
130 Point West Boulevard
St. Louis, MO 63301
Phone: 636 949 8269
Fax: 636 447 4181
E-mail: serter@sciengineering.com

Director of Technical Development
Mike Buechter
Metropolitan St. Louis Sewer District
2350 Market Street
St. Louis, MO 63103
Phone: 314-768-2772
Fax: 314-768-6342
E-mail: mbuechter@stlmsd.com

Past President
Dale M. Smith
Geotechnology, Inc.
907 North Bluff Road, Suite 1
Collinsville, Illinois 62234
Phone: (618) 345-4811
Fax: (618) 345-5108
E-mail: d_smith@geotechnology.com

JOIN US FOR THE
ASCE
ST. LOUIS SECTION
2010 ANNUAL DINNER
FRIDAY, SEPTEMBER 24, 2010

The Main Room at The Bevo Mill
4749 Gravois Road
St. Louis, Missouri 63116
http://www.thebevomill.com

Cocktails  6:30-7:30 p.m.
Dinner    7:30 p.m.

Program to Include:
Presentation of St. Louis Section Awards
Introduction of New Officers

Cost: $30 Members and Guests/ $20 Students
Limited Open Bar
Free On-Site Parking

For Reservations:
Please complete and mail with a check
to “ASCE-St. Louis Section” by September 10th

Member Name __________________________
Email or Phone _________________________
Guest Name(s) _________________________
Number Attending _______  Student? □ (Check if yes)
Mail To: ASCE-St. Louis Section
c/o John Weiland
CDM
100 North Tucker, Suite 550
St. Louis, Missouri 63101
314-241-8310, weilandjl@cdm.com
President’s Message
By Niel Palmer

The year saw several highlights and a major challenge. The younger members invited the ASCE President, Blaine Leonard, PE, F.ASCE to speak at the May luncheon. His schedule allowed us to have him for the day, starting with a question/answer morning session with the Board and ending at a Cardinal baseball game. In June, ASCE teamed with the Society of American Military Engineers to host 2010 Missouri River/Texoma Regional and Midwest Levee Conference. Thanks to Gene Rovak for his work on our behalf and to Elise Ibendahl for singing the National Anthem at the start of the Conference.

The major challenge was the death of Aaron Greenberg last October. He had been an institution with the Board over the last 22 years for his work in career development and community outreach and we had come to take for granted all the many things that he had done. We were able to fill his void thanks to Bill Goldkamp for his work with career development and to Stephanie Spann and the Structural Engineering Institute for picking up the West Point Bridge Contest. In Aaron’s honor we were able to set up summer camp scholarships with Missouri University of Science and Technology and did in fact have one High School student attend this summer.

Challenges continue. At the Annual dinner we will be presenting only four undergraduate scholarships as Washington University has dropped their Civil Engineering program. But on the bright side, we are looking forward to helping Saint Louis University develop their program and establishing an ASCE student chapter.

I hope that you can find the time to participate in the ASCE/ASLA (American Society of Landscape Architects) golf tournament on Friday, September 17 and that I will see you again at the Annual dinner at the Bevo Mill on September 24.

Respectfully,
Niel Palmer, PE, F.ASCE

Calendar of Events

- September 17 — 3rd Annual ASCE / ASLE Golf Tournament
- September 24 — ASCE St. Louis Section 2010 Annual Dinner
- October 7-8 — Pumping Systems Design for Civil Engineers Webinar
- October 20-22 — Hoover Dam 75th Anniversary Celebration
- October 20 — ASCE Geotechnical subcommittee - St. Louis presents “Design and Rehabilitation of Foundations on Expansive Soils”
- October 21 — Principles of Seismic Design
- October 29 — ASCE Geotechnical subcommittee - St. Louis presents “Fall Technical Seminar”

Government Relations

Would you like to become an ASCE key contact? It’s a great way to get informed on bills standing before Congress that could impact our profession. It’s also an easy way to send e-mails to your representative and senators. And you won’t be inundated with e-mails. You receive a once-a-month update on key issues plus occasional alerts on bills that need your influence. You can sign up for the key contact program at http://www.asce.org/WorkArea/linkit.aspx?
St. Louis Section’s ASCE 150th Anniversary Poster

This poster was created by the St. Louis Section as a gift to the ASCE Headquarters to commemorate ASCE’s 150th Anniversary in 2002. It is now available to members who would like to have a very high quality, full color print on heavy matte paper suitable for framing. With each print is a brochure with a brief description of each project and its significance to the St. Louis region. A portion of the proceeds will be used by the St. Louis Section to help fund scholarships and special projects. Complete the order form below and mail with a check payable to “ASCE St. Louis Section” to:

Jeffrey Fouse, P.E., F.ASCE
c/o Reitz & Jens, Inc.
1055 Corporate Square Drive
St. Louis, Missouri 63132

<table>
<thead>
<tr>
<th>Print Size</th>
<th>Price*</th>
<th>Number</th>
<th>Subtotal</th>
</tr>
</thead>
<tbody>
<tr>
<td>11”x14”</td>
<td>$18.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18”x24”</td>
<td>$28.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24”x30”</td>
<td>$33.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40”x52”</td>
<td>$85.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The above prices include shipping.

Name: ___________________________ Phone: ____________
Shipping Address: ______________________________________________________________
City, State, Zip: ________________________________
Dear ASCE / ASLA Members and Friends,

It is golf tournament time again, and we want to start by saying thank you to those of you who helped make last year's tournament a great success. We have made one change to the schedule in this third year of the partnership. We have moved the starting time up one hour to noon. We hope this change will allow attendees more time to complete their round and stick around for dinner and awards. We believe the partnership of the American Society of Civil Engineers and the American Society of Landscape Architects is a natural partnership that will increase the benefits for all who participate, and provide an enjoyable opportunity for our members and friends to interact outside the office.

ASCE-St. Louis and ASLA St. Louis Chapter are committed to educating the youth of the St. Louis community about the roles of engineers and landscape architects in our lives, and encourage students to pursue these professional careers. The golf tournaments help support these programs and this will not change. The following is a brief summary of the programs supported by this tournament for each chapter.

ASCE annually presents scholarships to members of the section student chapters at SIU-Edwardsville, SIU-Carbondale, University of Missouri - Columbia, and Missouri University of Science and Technology. Section members also participate in programs such as MATHCOUNTS, Zoom Into Engineering, Future Cities and Building Big as well as volunteering for classroom visits and career fairs.

ASLA supports the Jerry J. Loomis Memorial Scholarship Fund with a portion of the proceeds. This scholarship is presented annually to two landscape architecture students from the St. Louis area. Additional proceeds are used to support the chapter and advance the profession and educate youth to the opportunities presented within landscape architecture.

We want to thank you for your participation and support, and look forward to seeing you at Crystal Springs Quarry Golf Club on Friday September 17, 2010. A registration form with additional information regarding the tournament and involvement opportunities is attached. Space is limited so we encourage you to reserve your spot in the tournament now!

If you have any questions please give us a call.

Sincerely,

The 2010 Annual ASCE / ASLA Golf Tournament Organization Committee

Matt Harper, ASCE
Intuition & Logic

Chris Moon, ASLA
SWT Design

Jay Wohlschlager, RLA, ASLA
SWT Design
Supplemental — From the History and Heritage Newsletter

2010
FRIDAY SEPTEMBER 17, 2010
CRYSTAL SPRINGS QUARRY GOLF CLUB
3rd ANNUAL ASCE/ASLA GOLF TOURNAMENT

☐ I would like to enter the 2010 ASCE/ASLA Golf Tournament / $100 per person or $400 for team of 4
Entry fee includes; Green fees and cart, lunch, refreshments on the course, range balls, $10,000 hole-in-one contest and other prizes / Dinner and Awards
Entry Deadline: September 10, 2010 / Space is limited - payment must accompany entry to reserve your spot

Registration Information
10:30 AM Check-In / 11:00 AM Lunch / 12:00 PM Shogun Start - Scramble
Contact Name: ____________________________ Company: ____________________________
Address: ______________________________________________________________________
Phone: ____________________________ Email: ______________________________________________________________________

☐ I would like to be a Refreshment Sponsorship - $600.00 (per table)
Includes: Recognition in print at registration table, on refreshment carts and stations located throughout the course.

☐ I would like to be a $10,000 Hole-in-One Sponsorship - $300.00 (per table)
Includes: Recognition in print at registration table and on sign located at hole-in-one holes on the course.

☐ I would like to be a Lunch & Dinner Sponsorship - $250.00 (per table)
Includes: Recognition in print at registration table and serving and dining tables for lunch and dinner

☐ I would like to be a Hole Sponsorship - $125.00 (unlimited)
Includes: Recognition in print at registration table, on refreshment carts and stations located throughout the course.

☐ I would like to donate items for the Golf Gift Bags / Door Prize Drawing to promote my business to the players. 150 bags will be assembled with identical contents, please plan on donating 150 of the identical item for the bags (towels, rain ponchos, golf tees, golf ball, booklets, coupons, water bottles, etc). Door prize drawings occur at the awards reception, donated items could be of any value or merchandise in nature. Any items to be donated should be coordinated with the planning committee and available for delivery / pick-up by September 1, 2010.

☐ Sign me up for ____Team(s) of Four $400 or ____Player(s) at $100 each or ____Dinner(s) Only at $20 each
Name: ______________________________________________________________________
Name: ______________________________________________________________________
Name: ______________________________________________________________________
Name: ______________________________________________________________________

☐ Please check an appropriate box if you would like your registration contribution directed to a specific organization. Registration fees not specified and all sponsorship donations will be divided evenly between the ASCE and ASLA scholarship funds.

☐ Please accept my enclosed check payable to ASCE-ST. LOUIS SECTION or ASLA-ST. LOUIS CHAPTER for $_______________
(please note ASCE/ASLA GOLF in the memo section of the check)

Please mail completed registration forms to: Matt Harper / OR Chris Moon / Jay Wohlschlegel
Intuition & Logic / SWT Design
10232 Swinging Ridge Road / 7722 Big Bend Blvd.
Suite 100 / St Louis, MO 63119
St Louis, MO 63017 / St Louis, MO 63119
Supplemental

HOOVER DAM 75\textsuperscript{TH} ANNIVERSARY CELEBRATION
October 20-22, 2010
Bally’s, Las Vegas

The History and Heritage Committee of the American Society of Civil Engineers is celebrating the 75\textsuperscript{th} anniversary of the completion of the Hoover Dam – one of the first great mega projects – with a two-day Symposium covering everything from the advances in concrete technology to performance of spillway structures and the seismic evaluation of power-plants.

The celebration starts with a reception on Wednesday evening, October 20\textsuperscript{th} for all Symposium attendees. The Symposium starts Thursday afternoon, October 21 and runs through Friday afternoon. A proceedings consisting of the presentations and other accepted papers will be presented to the attendees as part of this event.

PDH: 5.0

Registration opens June 2010.
Supplemental

About the Seminar

Thursday, October 21, 2010
Skillman Oncology Plaza (Suite A-100) 6-10 AM
Stellite, 2100 S. Grand Blvd., St. Louis, MO 63104

HalfMoon, LLC: Principles of Seismic Design

St Louis, MO - Thursday, October 21, 2010

Understanding Earthquake Actions and Effects
Analyzing Earthquake Effects on Structures
Seismic Hazards to Buildings
Non-Structural Hazards
Examination of Basic Principles of Seismic Design
Earthquake Response & Analysis
Earthquake Engineering
Earthquake Design Concepts
Earthquake Mitigation
Earthquake Countermeasures

About the Seminar

Thursday, October 21, 2010
Skillman Oncology Plaza (Suite A-100) 6-10 AM
Stellite, 2100 S. Grand Blvd., St. Louis, MO 63104

HalfMoon, LLC: Principles of Seismic Design

St Louis, MO - Thursday, October 21, 2010

Understanding Earthquake Actions and Effects
Analyzing Earthquake Effects on Structures
Seismic Hazards to Buildings
Non-Structural Hazards
Examination of Basic Principles of Seismic Design
Earthquake Response & Analysis
Earthquake Engineering
Earthquake Design Concepts
Earthquake Mitigation
Earthquake Countermeasures

About the Seminar

Thursday, October 21, 2010
Skillman Oncology Plaza (Suite A-100) 6-10 AM
Stellite, 2100 S. Grand Blvd., St. Louis, MO 63104

HalfMoon, LLC: Principles of Seismic Design

St Louis, MO - Thursday, October 21, 2010

Understanding Earthquake Actions and Effects
Analyzing Earthquake Effects on Structures
Seismic Hazards to Buildings
Non-Structural Hazards
Examination of Basic Principles of Seismic Design
Earthquake Response & Analysis
Earthquake Engineering
Earthquake Design Concepts
Earthquake Mitigation
Earthquake Countermeasures

About the Seminar

Thursday, October 21, 2010
Skillman Oncology Plaza (Suite A-100) 6-10 AM
Stellite, 2100 S. Grand Blvd., St. Louis, MO 63104

HalfMoon, LLC: Principles of Seismic Design

St Louis, MO - Thursday, October 21, 2010

Understanding Earthquake Actions and Effects
Analyzing Earthquake Effects on Structures
Seismic Hazards to Buildings
Non-Structural Hazards
Examination of Basic Principles of Seismic Design
Earthquake Response & Analysis
Earthquake Engineering
Earthquake Design Concepts
Earthquake Mitigation
Earthquake Countermeasures

About the Seminar

Thursday, October 21, 2010
Skillman Oncology Plaza (Suite A-100) 6-10 AM
Stellite, 2100 S. Grand Blvd., St. Louis, MO 63104

HalfMoon, LLC: Principles of Seismic Design

St Louis, MO - Thursday, October 21, 2010

Understanding Earthquake Actions and Effects
Analyzing Earthquake Effects on Structures
Seismic Hazards to Buildings
Non-Structural Hazards
Examination of Basic Principles of Seismic Design
Earthquake Response & Analysis
Earthquake Engineering
Earthquake Design Concepts
Earthquake Mitigation
Earthquake Countermeasures
ASCE Geotechnical Subcommittee - St. Louis “Fall Technical Seminar”

ASCE Geotechnical Subcommittee – St. Louis

Presents

“Fall Technical Seminar”

DATE AND TIME: Friday, October 29, 2010  8:00AM to 12:00PM
(Doors open at 7:00am and breakfast will be provided)
LOCATION: Engineers Club, 4339 Lindell Blvd. St. Louis, MO 63108
COST: $75.00 ASCE Members; $90 Non-member; $25.00 students. Four (4) PDHs will be awarded.
Advanced payment is appreciated. ASCE is charged for all reserved meals. If you’ve signed up and can’t
make it, please cancel by 10/25/09 or we will have to charge you for the meal.
RSVP: Please RSVP by 10/22/09 to: ASCE St. Louis Section, c/o Patrick Kinsella, Shannon &
Wilson, Inc., 2043 Westport Center Drive, St. Louis, Missouri 63146, phone (314) 699-9660,
email: pmk@shanwil.com

Speakers and topics to be updated in October Newsletter

ASCE Geotechnical Subcommittee - St. Louis “Design and Rehabilitation of Foundations
on Expansive Soil”

ASCE Geotechnical Subcommittee – St. Louis

Presents a webinar titled

“Design and Rehabilitation of Foundations
on Expansive Soil”

DATE AND TIME: Monday, September 20, 2010  11:00AM to 12:30PM
(Pizza and soda/water will be provided)
LOCATION: Geotechnology, 11816 Lackland Road, Suite 150 Saint Louis, Missouri 63146
COST: $10.00
RSVP: Please RSVP by 9/18/10 to: ASCE St. Louis Section, c/o Patrick Kinsella, Shannon &
Wilson, Inc., 2043 Westport Center Drive, St. Louis, Missouri 63146, phone (314) 699-9660,
email: pmk@shanwil.com
Employment Opportunity

THE HUMAN RESOURCES DEPARTMENT OF THE CITY OF UNIVERSITY CITY, MISSOURI ANNOUNCES A MUNICIPAL SERVICE EMPLOYMENT OPPORTUNITY

PUBLIC WORKS DEPARTMENT
ASSISTANT PUBLIC WORKS DIRECTOR/CITY ENGINEER (GRADE 22)
PAY RANGE: $63,420 - $80,940 (Starting salary up to $69,924)

NATURE OF WORK
The Assistant Public Works Director/City Engineer is being recruited with a working title of City Engineer to emphasize that one of the position’s primary responsibilities is municipal engineering; however, the employee will be expected to assist the Director department-wide, as the employee gains experience in the position. The employee independently represents the City and serves as the technical advisor to the City Manager, City Council, Public Works Director and department directors on all engineering, public infrastructure, and traffic and transportation issues. The Assistant Director/City Engineer oversees the day-to-day operation of assigned divisions within the Public Works Department and may serve as the Acting Public Works Director in the Director’s absence. Occasional evening/weekend meetings and emergency response may be required.

REQUIRED EXPERIENCE AND TRAINING
Registration as a Professional Engineer by the Missouri Board of Engineers, Architects and Land Surveyors.
At least five years of progressively responsible supervisory and administration experience. Municipal experience preferred.
At least five years of progressively responsible supervisory and administrative public works engineering experience plus Bachelor’s Degree from an accredited college or university with major course work in Civil Engineering. Master's Degree preferred.
Possession of a valid Missouri State Vehicle Operator’s License.

APPLICATION PROCEDURE
Secure employment application @ www.ucitymo.org or at 6801 Delmar, University City, MO 63130, HR dept. Resume must be submitted along with completed employment application. AA/EOE.

Sediment and Erosion Control Workshop

The annual Sediment and Erosion Control Workshop will be held on Friday, October 15 at Lewis and Clark Community College in Godfrey, IL. This event is free and worth 2.5 PDH or 3 PDU. This year’s topics include proper local seed mixes and seeding techniques as well as turbidity measurement of runoff. Information and registration are available at http://www.ce.siue.edu/special/secw/. Please register by October 1.
If your company is interested in having a display at the event, contact Mr. Rick Macho at 618-656-7300 or Rick.Macho@il.nacdnet.net. There is no cost to have a display.

FE Review Sessions at Southern Illinois University Edwardsville (SIUE)

"The SIUE chapter of Chi Epsilon is providing 12 FE review sessions in Fall 2010 in the Engineering Building at SIUE. They will run from September 9th through October 20th in the afternoons and evenings. Tentative topics to be covered are Chemistry, Electrical Circuits, Statics, Dynamics, Mechanics of Solids, Fluid Mechanics, Thermodynamics, Mathematics and Statistics; and introductory topics in the fields of Transportation, Structural, Environmental, and Geotechnical Engineering. The review sessions are taught by the SIUE faculty members and have helped many past students and professionals pass the FE exam. The cost for non-SIUE students is only $10 per session, which will be collected at the beginning of each review session (make your check payable to “Chi Epsilon”). For more information and the final schedule of review sessions, please visit the SIUE Chi Epsilon website at http://www.ce.siue.edu/xe/Default.htm or contact Dr. Nader Panahshahi at npanahs@siue.edu."
Supplemental

Saint Louis University Re-starts its Civil Engineering Program!

Dean Manoj Patankar announced in a presentation to the Saint Louis Section of ASCE that Saint Louis University will resume its Civil Engineering program after almost a 35-year hiatus! The idea of restarting the CE program came as a culmination of interests and support from multiple constituencies—first, the Institute of Technology alumni who really wanted to see their beloved CE program back on campus, second, the local CE community who wanted a hands-on engineering program that catered to the local job market, and third, the new student enquires. “There is a lot of excitement about this new program—administration, faculty, students, alumni, and industry friends—everyone is working hard to see this program succeed. It’s not very often that we get to start a new program like this,” said Dean Patankar. Together, it seems like the time is right for a new CE program for the St. Louis metro region. Of course, the St. Louis Section of the ASCE is delighted to support this program and has already begun discussions related to a student chapter of the ASCE as well as internships at local companies, and adjunct faculty appointments.

In discussing the distinguishing characteristics of the new program, Dean Patankar said that the program would focus on building two specialties—transportation and green/smart structures. The transportation track would leverage the legendary strength of aerospace engineering and aviation programs at Saint Louis University. The green/smart structures track would engage other academic departments across the campus, including electrical and computer engineering (embedded sensor systems), environmental sciences, and urban planning.

The new CE program starts in fall 2009. In the first two years, most of the courses will be shared with the mechanical engineering program. The University plans to hire a dynamic new department chair to lead this program. As the program matures, the University will add faculty. So, whether you are interested in teaching (part-time or fulltime), providing an internship, or making a donation to start a scholarship, contact the Dean’s Office at 314-977-8203. Of course, if you have a youngster interested in exploring a career in Civil Engineering, feel free to visit the campus! Additional information is available online at http://www.slu.edu/x27770.xml.

Master of Science in Civil Engineering and Cooperative Ph.D. in Engineering Science

Southern Illinois University Edwardsville (SIUE)

SIUE offers the M.S. degree in civil engineering and Ph.D. in engineering science in three focus areas: environmental, structural, and transportation engineering. The programs are designed to meet the educational needs of working engineers as well as traditional students who are interested in focused, advanced study in civil engineering to enhance their opportunities for professional advancement. Our full-time faculty are supplemented as needed with practicing professional engineers to offer courses that are primarily scheduled in the late afternoon and evening to accommodate working professionals. For further information, please visit us online at http://www.siu.edu/engineering/civilengineering/graduate/ or contact the Department of Civil Engineering office at (618) 650-2533.

Master of Science in Civil Engineering

UM-Rolla Engineering Education Center in St. Louis

The Missouri University of Science and Technology-Engineering Education Center in St. Louis offers M.S. degrees in Aerospace, Civil, Computer, Electrical, Environmental and Mechanical Engineering, Engineering Management, Engineering Mechanics and new Internet based M.S. and M.Eng. Degrees in Manufacturing Engineering to working engineers. The Center started its operations in 1964. Over 2,500 engineers used this excellent opportunity to enhance their knowledge and status. All classes are offered in the evening. 10 classes are needed to acquire a M.S. degree that will affect your entire professional life. For more information, call (314) 516-5431 or visit the MST website: www.eec.mst.edu.

For details & updates see our Web Page: http://sections.asce.org/stlouis/index.html
This newsletter will be sent to all Section members via e-mail.
MS&T— Water Infrastructure Engineering (CE-355)

Location:
To Be Determined

Date/Time:
Meets Wednesdays 6:00 PM – 8:45 PM, Fall Semester begins August 23 2010

Instructor:
Gary T Moore MS, P.E.

This course is intended to provide graduate students an opportunity to study the fundamental principles underlying comprehensive water infrastructure development for facilities such as: sanitary sewers, sanitary treatment facilities, stormwater sewers, stormwater detention, water power development, and hydraulic structures. Latter part of the course is designed to apply design principals and standards to sanitary and stormwater sewers, water distribution system, detention basin, culverts, and sanitary or stormwater pump station. Both hand calculations and computer methods for the response of selected water infrastructure facilities to design criteria will be developed. The student, as part of the course, will be responsible for the planning and design of water infrastructure facilities for a site development in St Louis County. In addition, it is anticipated that guest speakers representing the Concrete, Vitrified Clay, PVC, Ductile Iron, and Hobas pipe agencies/manufactures will discuss product design, manufacture, testing, installation, and ASTM specifications related to their products as part of the course.

On completion of the course, students should be able to understand water infrastructure products and their uses as well as what is involved in specifying pipe products and appropriate site development layout for those facilities. The student will also perform hydrologic and hydraulic calculations necessary to design their selected water infrastructure facilities. Students will present their final design water infrastructure development project and information in a professional setting. Computer applications will employ the use of modeling via the Bentley (formally Haestad Methods) computer applications in Hydraulic engineering software (flownmaster, sewercad, stormcad, watercad, pondpack, and more) as part of the course work. Other spreadsheet or hand computations may be performed for hydrologic determinations for flow rates.

Prerequisite: Cv Eng 230 with a grade of “C” or better.

For further information regarding enrolling in this or any other graduate courses at the UMR Engineering Education Center at UMSL, visit UMR's website at www.umreec.edu.

Call (314) 516-5431 or mailto:umreec@umr.edu for more information

Make sure you keep your register information up-to-date by contacting the National ASCE at http://www.asce.org or call 800-548-ASCE (2723)!!

Younger Member Newsletter (National ASCE) — Spring Issue

The Committee on Younger Members is pleased to provide this issue which may be accessed at http://www.asce.org/files/pdf/inside/Issue66.pdf

If you should experience any problems accessing the newsletter, please feel free to contact Nancy Berson at nber-son@asce.org or at 703-295-6010.
ASCE Newsletter via E-mail and Postal Delivery:

ASCE National keeps a central database that holds all ASCE members' individual information. This database is downloaded by the St. Louis Section on the first of every month for Section use. This provides the Section with both mailing and e-mail addresses AS THEY ARE SHOWN ON YOUR NATIONAL RECORDS. Therefore, if you need to update these addresses regarding your receipt of the newsletter, please do so at the National level (www.asce.org) so we will be forwarded the updated information.

Email is the most efficient and cost effective means of delivering the newsletter. However, as a service to our members, paper copies will be mailed to any St. Louis Section paid member who prefers postal delivery. If you would prefer a paper copy, please contact Troy Turner at the address below.

Membership Register

You can use this link to ASCE National's website to search for St. Louis Section members in the national database: http://www.asce.org/membersonly/directory/index.cfm

News Items

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 15th of the month prior to publication. Items may be sent (e-mail preferred) to: Troy Turner, EIT, Metropolitan St. Louis Sewer District, 2350 Market Street, St. Louis, Missouri 63103, (314) 335-2086 Fax (314) 768-6341, tturner@stlmsd.com

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website (www.asce.org). Click on "Geographical and International Units" to link to the Section or go directly to our page at: http://sections.asce.org/stlouis/index.html. The Web Page Editor is Jeff Smith e-mail: JESmith@HNTB.com or via feedback directly from our website.