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**October Luncheon**  
 Tuesday, October 10, 2017

**Metro Reimagined**

**What Do You Imagine for Future Transit Service?**

Metro – the St. Louis region’s transit agency – understands that transportation needs are constantly evolving. Along with major capital projects to enhance the transit system, they have now launched a project called [Metro Reimagined](#), which focuses on improvements to MetroBus service in the city of St. Louis and St. Louis County. Metro’s goal is to better align the bus system with changing travel patterns and market demands in order to address the transportation needs of customers today and in the future.

Metro Reimagined will not only examine where people travel across the region, but also why they travel and how they want to get where they are going. This project started by conducting a comprehensive analysis of existing bus operations and service. Next, Metro will apply its findings to improve the customer experience, increase access to destinations, and provide creative transportation solutions that better serve our region’s needs. In the end, Metro Reimagined will develop phased improvements that can be implemented within the agency’s current budget.

Metro is now seeking feedback for this project and wants to know how *you* would like bus service to look in the future. Metro’s [Allocation Game](#) is an online tool you can use to voice your preferences about the types of improvements you would like to see within a limited budget. Check it out, and help Metro to tailor its service to the transportation needs of current and future transit riders.

***Speaker - Jessica Gershman***

Jessica Gershman joined Metro in 2016 as the Manager of Long-Range Planning. In this role, she works with service planning and scheduling, research and development, and customer service functions to help direct transit service and strategic planning projects with longer time horizons. Prior to working at Metro in

St. Louis, Jessica worked in Chicago, Illinois as an associate at the Chicago Metropolitan Agency for Planning (CMAP) – the metropolitan planning organization for the seven-county region of northeastern Illinois. While at CMAP, Jessica led projects providing local technical assistance to municipalities and counties ranging from transportation and land use, sustainability, and capital improvement planning. Jessica earned masters degrees in public policy and in urban and regional planning from the University of Michigan.

**Time, Date, Location**

11:30am to 1:00pm, October 10, 2017, at The Engineering Center, 4359 Lindell, St. Louis 63108. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH is available.

**Cost**

\$15/person, students and members in transition \$5 (checks payable to ASCE).

**Registration**

Please register and pay online by October 6<sup>th</sup> at [Register Now!](#)

Or call the Engineering Center at 314-533-9333, or by email:[info@engineersclub.net](mailto:info@engineersclub.net) for reservations by **4:00pm, Friday, October 6<sup>th</sup>**. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

## Officers & Directors 2016 - 2017

### President

Lyle Simonton  
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### Treasurer

John Weiland

### Director of Administration

Melantha Norton

### Director of Professional Development

Alison Graves

### Director of Technical Development

Chris Toenjes

### Past President

Matt Harper

## President's Message



As the season changes from summer to fall, your executive board of the ASCE St. Louis section goes through some changes as well. It is with great humility and excitement that I begin my term as President of the section, and attempt to carry on the tradition of trying to make an already great section even greater. I'd like to thank Matt Harper for his leadership as President, and acknowledge Mike Buechter, who for the first time in 10 years, will not be on the executive board. The long-time commitment and dedication to ASCE

demonstrated by both of these gentlemen is greatly appreciated by all of those who have served on the Board with them.

There are many things to be proud of here in the St. Louis Section, as we recently held our annual golf outing which raises money to help fund scholarships to students from all five of our regional universities. Additionally, the Younger Members Group recently hosted area students to the "ASCE Meet a Professional Luncheon" where the students were paired with a civil engineer working in a field of similar interest (i.e. geotechnical, structural, etc.) as a means for the students to learn more about a career in that field. These successful events, and the past year's achievements of students and professionals in civil engineering, were acknowledged at our Annual Dinner on September 22, held at the Jefferson Room at Moulin.

Although we have many great things going for us in the section, and we are highly regarded on a National ASCE level as well, we can always be better. We currently have two committee positions open – Membership Champion and Diversity and Inclusion Chair – and I encourage anyone who might be interested in getting more involved in ASCE to contact me or another board member to learn more about these positions. Also, we have not always done the best job at making our monthly meetings a worthwhile event for our members, as evidenced by low attendance at many of these meetings. I am very interested and motivated in working with all of our members, and in particular our program chair, to do what we can to make the luncheons and your membership overall, more valuable. I strongly encourage anyone to contact me with your suggestions, new ideas, and even complaints on how we're doing.

I look forward to an event-filled year in ASCE, and hope to meet as many of our members and regional student members as possible over the next year. Please take advantage of all the things that your section has to offer, and feel free to reach out to me at any time.

Respectfully,  
Lyle Simonton, P.E.

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## Attention ASCE Members:

The Section's email list will be rebuilt soon! We receive monthly updates from ASCE to help keep our Email list up-to date. Please be sure to set the Primary email address in your ASCE profile to be the email address where you prefer to receive all ASCE related messages.

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## ASCE Recent Events

### ASCE President's and Governors Forum (PGF)

Melantha Norton and Lyle Simonton attended the ASCE President's and Governors Forum (PGF) in at the ASCE Headquarters in Reston, VA on September 16 – 18. Melantha is not only a new Director on the Executive Board, but a Region 7 Governor. She is the first person in recent history to be a Region Governor and section board member simultaneously. The PGF was attended by current or future section presidents, region governors, and staff from ASCE and involved two days of leadership training and gaining a better understanding of all of the resources provided by the ASCE Headquarters.



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## ASCE Movie - Dream Big

On Wednesday September 27, representatives of the St. Louis Section attended a showing of the ASCE movie Dream Big hosted by the Southwestern Illinois College (SWIC) STEM Scholars Program. In this program, SWIC provides financial assistance and STEM related support and education to students otherwise challenged by insufficient high school preparation and economic pressures. President Lyle Simonton served as the moderator for a panel discussion consisting of ASCE member Brandi Jones, ASCE Region 7 Director Marsia Geldert-Murphy, and Dwayne James, a structural engineer, educator, and long-time student mentor. The event was attended by roughly 45 SWIC students interested in the STEM fields.



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## ASCE Younger Members Group

### *See you at our First Meeting!*

As summer comes to a close, our meetings are starting back up! Join us for our first meeting at Urban Chestnut in the Grove! Plan on attending? E-mail [Melissa.Marks@ch2m.com](mailto:Melissa.Marks@ch2m.com)

### ***October YMG Meeting:***

Thursday, October 12, 2017

Urban Chestnut

4465 Manchester Ave.63110

6 pm to 8 pm

<http://urbanchestnut.com/home/>

Stay connected with us on Facebook at <https://www.facebook.com/ASCEStLYMG/>

## Meet a Professional Luncheon



On Thursday, September 14<sup>th</sup>, the St. Louis Younger Member Group held the “Meet a Professional Luncheon” at Il Monastero at Saint Louis University. The luncheon matched 19 ASCE Student Chapter Members from Saint Louis University (SLU), Southern Illinois University (SIU), and Southern Illinois University Edwardsville (SIUE) with local professionals in their same field of civil engineering.



We began with lunch and a presentation on “Generations and Techniques for Managing Our Differences” from Vice President of SCI, Ed Grimmer. The pairs then had free discussion to discuss careers, questions, and goals.

### Organizations Represented:

- Horner & Shifrin
- Parsons  
Brinckerhoff
- Hanson
- SCI Engineering,  
Inc.
- Reitz & Jens
- Civil Design, Inc.
- Metropolitan St.  
Louis Sewer District
- Wade Trim
- CH2M
- McCarthy
- CBB
- HR Green
- ABS Consulting
- Water Resources  
Solutions &  
Resource  
Contractors

## Check out our Awesome Younger Members!

Congratulations to Melantha Norton (Region 7 Governor and St. Louis Section Director of Administration), Jordan Pettibone (St. Louis Section Secretary), and Alison Graves (Director of Professional Development)!

Congratulations to our Younger Member, Alison Graves, for receiving the Region 7 Outstanding ASCE Younger Member Award!

A big thank you to Brandi Jones for all her hard work this past year as our Dream Big Event Coordinator and Trivia Night Chair! Thank you to Britt Marron for organizing a wonderful Annual Dinner!





GEO-  
INSTITUTE



STRUCTURAL  
ENGINEERING  
INSTITUTE  
St. Louis Chapter

# ***REGISTER TODAY!***

## **Geo-Structures Confluence**

Thursday, November 2, 2017  
St. Charles Convention Center  
St. Charles, Missouri

Registration is now open for the second annual Geo-Structures Confluence (this conference combines GeoConfluence and SEI Day). The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineers Institute (SEI) are sponsoring this event. This one-day conference is open to all, and will be held from 8 a.m. to 5 p.m.; registration opens at 7:15 a.m., with a continental breakfast provided. Registration also includes a buffet luncheon. Attendees will earn 7 PDHs.

### **Tentative Agenda**

*There will be a combined AM session with structural and geotechnical break out sessions in the PM!*

**\*Construction Litigation Case Histories**

*– Stan Caldwell*

**\*Effect of Spatial Variability on Static and Liquefaction-induced Differential Settlements** – *Dr. Armin Stuedlein*

**\*Wet Soil Mixing for Seismic Stability Improvement – Dynegy East Ash Pond** – *Jason Frierdich and Alec Lenzini*

**\*Construction Dewatering** – *Richard Bird, et. al.*

**\*Maline Creek Tunnel Construction** – *John Deeken and Dave Frierdich*

**\*Limitations of Suction-controlled Triaxial Tests in the Characterization of Unsat. Soil Behavior** – *Dr. Xiong Zhang*

**\*State of practice/State of Art Liquefaction Analysis** – *Dr. Scott Olson.*

**\*Innovative Design for the Merchants Bridge West Approach Reconstruction** – *Lyndsie Janbakhsh and Kevin Kriete*

**\*Electrical Transmission Structures and Drilled Pier Foundations** – *Alex Kladiva and Nathan Textor*

**\*Missouri School Seismic Safety Initiative** – *Nathan Gould and Michael Griffin*

**\*How Advances in Ground Improvement Impact Structural Design** – *Mark Rohrbach*

**\*Fire Resistance Rated Construction-Structural Considerations** – *Marc Bacchetti*



# Geo-Structures Confluence 2017 Registration

## Geotechnical and Structural Engineering Conference

Thursday, November 2, 2017

St. Charles Convention Center, St. Charles, MO

- Please register at <https://goo.gl/dUfkX7> (case sensitive). Payment can be made with credit card or check.

Registration Class	Early Rate before Thursday, October 12	Regular Rate October 13 to 26 and walk-ins
Professional	\$175	\$225
Full-time Students	\$60	\$100
Exhibitor (includes 1 registration)	\$400	\$400
Break Sponsorship (not a registered attendee)	\$250	\$250
Meal Sponsorship (not a registered attendee)	\$500	\$500

- If paying by check: please **register at the site above**, make check payable to “ASCE St. Louis Section,” and mail to  
 Geo-Structures Confluence 2017  
 Registration c/o Stephanie Spann  
 David Mason and Associates  
 800 South Vandeventer  
 Ave. St. Louis, MO 63110

***Postmark checks by October 12 to register at the discounted rate, and October 26 for all other registrations.***

- Exhibitors and Sponsors may wish to contact Lyle Simonton (314-421-2460 x101, [lsimonton@subsurfaceconstructors.com](mailto:lsimonton@subsurfaceconstructors.com)) for benefits of their registration.
- Vegetarian and other meal options are available. Please contact Stephanie Spann ([sspann@davidmason.com](mailto:sspann@davidmason.com)) with your request.
- Registration after October 26 may be made in person as a walk-in, but may receive fewer benefits as their attendance cannot be planned.

***Refunds must be requested before Thursday, October 19, 2017.  
Any refund will be subject to a 15 percent cancellation fee.***

***Registration may be transferred to another person by advanced email notice to Stephanie Spann ([sspann@davidmason.com](mailto:sspann@davidmason.com)) and Greg Hempen ([hempen69@sbcglobal.com](mailto:hempen69@sbcglobal.com)).***



## Asphalt Conference



### 60th ANNUAL MISSOURI S&T ASPHALT CONFERENCE November 28-29, 2017

The 60th Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, November 28-29, 2017, at the Missouri University of Science & Technology in Rolla, Missouri.

Presentations at the conference include: warm mix overlays in cold weather, proper use and storage of emulsions, undersealing, MoDOT's asset management plan, maintenance treatments for low volume roads, new patching material products, high friction surface treatments, MoDOT's increased density initiative, high air void- designed mixes, longitudinal joint construction and preservation, new longitudinal joint enhancement products, nuclear density testing, pavement economics: the cost of quality, MAPA update, balanced mix design, paving geosynthetics, intelligent compaction, micro-surface specification changes, MoROAD, performance testing in Missouri, and new binder requirements.

The conference should be of interest to contractors, public agencies, consulting engineers, testing labs, aggregate producers, asphalt binder suppliers, and equipment technical reps. **Personal Development Hours (PDH) will be awarded.**

For conference program information go to <http://asphalt.mst.edu/> or contact Dr. Dave Richardson, Conference Director (573-341-4487; [richarddd@mst.edu](mailto:richarddd@mst.edu)) and for registration information contact Professional & Continuing Education, 216 Centennial Hall, 300 W. 12<sup>th</sup> St., Rolla, MO, 65409 (573-341-4200; [pce@mst.edu](mailto:pce@mst.edu)). If you are interested in being a sponsor, please contact Latesha Zach: [zachl@mst.edu](mailto:zachl@mst.edu) 573-341-4278.



# HENEGHAN AND ASSOCIATES, P.C.

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9/29/17

Heneghan & Associates, P.C., a civil engineering and land surveying firm with offices in Centralia, Columbia, Godfrey and Jerseyville, IL, is seeking civil engineers for positions in our new Arnold, MO office. Positions are full-time salaried with generous benefits. Heneghan and Associates is a progressive, family-oriented company with great working environment and opportunities for growth and ownership.

All candidates must be familiar with AutoCAD, able to work independently and as part of a team, and have excellent communication skills.

### Civil Engineer

- B.S. in Civil Engineering
- Missouri PE license
- Minimum of fifteen years of experience in civil engineering design, project management, and client management

### Civil Engineer – Transportation / Land Development

- B.S. in Civil Engineering
- Missouri PE license
- Minimum of five years of experience in transportation/land development design

### Civil Engineer – Water / Wastewater

- B.S. in Civil Engineering
- Missouri PE license
- Minimum of five years of experience in water/wastewater design and permitting

Potential for involvement in all disciplines; transportation, land development, water, and wastewater projects, as well as project management and proposal development.

Heneghan and Associates, P.C. is an equal opportunity employer. Please forward your detailed resume and salary history to:

Heneghan & Associates, P.C.  
1004 State Highway 16  
Jerseyville, IL 62052  
618.498.6418 (P)  
618.498.6410 (F)  
resume@heneghanassoc.com

□ 838 East McCord  
Centralia, IL 62801  
(P) 618-533-6525  
(F) 618-533-6652

□ 310A Vision Drive  
Columbia, IL 62236  
(P) 618-281-8133  
(F) 618-281-8290

□ 5213D Mae Drive  
Godfrey, IL 62035  
(P) 618-466-8076  
(F) 618-466-8078

□ 1004 State Highway 16  
Jerseyville, IL 62052  
(P) 618-498-6418  
(F) 618-498-6410

*"DEDICATING OUR SERVICES TO STRENGTHEN CLIENT TRUST"*

## **CIVIL ENGINEER Design – Capital Projects**

The Metropolitan St. Louis Sewer District (MSD) is a Missouri State special purpose political subdivision that is responsible for the St. Louis area's storm water and sewer collection and treatment. MSD ranks in the nation's top wastewater utilities, and is making a significant investment in capital infrastructure and asset sustainability over a multi-decade period.

The District is seeking an individual to fill a position within the Engineering Department - Design Division. This Project Manager position in the Capital Projects group will be responsible for coordinating the work of outside consulting firms. Duties will include, but not necessarily be limited to oversight of the design of storm, sanitary/combined sewers, and green infrastructure improvements; review plans, specifications and cost estimates; address concerns of impacted property owners; participation in meetings with public officials and the public at large to answer questions about the construction project; and other matters associated with the successful completion of the District's capital construction program.

Must be a graduate from a recognized college or university with major course work in civil engineering; and four years of progressively responsible related engineering experience, including at least two years of experience in sewer plan design and review and/or construction. Must be a licensed professional engineer in the Missouri or have the ability to become licensed within six (6) months of the date of hire.

Excellent compensation/benefits program. For more information and to apply go to [www.stlmsd.com/careers](http://www.stlmsd.com/careers) under Civil Engineer.

### **Metropolitan St. Louis Sewer District**

Human Resources  
2350 Market St.  
St. Louis, MO. 63103

EEO M/F/V/H



# CITY OF DECATUR

JOB ANNOUNCEMENT  
DIRECTOR OF PUBLIC WORKS  
DEPARTMENT OF PUBLIC WORKS

## MESSAGE FROM THE CITY MANAGER:

Hello,

Thank you for taking the time to view our position recruitment. Now it's up to me to draw you into what I believe is a great opportunity for that "up and coming" candidate or the seasoned professional that has plenty of fuel left in the tank. So, here I go...

A recent re-organization has flattened the organization, provided an ongoing \$300,000 + savings in personnel costs, created new departments and expanded the responsibilities of department heads to include the Public Works Director. The City's Water Production Department is now a direct report to the Public Works Director.

You will be replacing a seasoned Public Works Director after a 40 + year career in the field and nearly 10 years with the City of Decatur. While I expect your perspective on the department and encourage new ideas to save taxpayer dollars and improve efficiencies he is handing the keys of a solid department over to the new Public Works Director.

As you will read in greater detail in this recruitment brochure this community is solidly in its "Infrastructure" chapter of Decatur's history. Not necessarily glamorous, but it is exciting to be a part of this. Revenue streams are in place to complete the millions of dollars' worth of projects (streets, water, fiber and sewer) that are underway to catchup with postponed improvements and clearly positioning ourselves for business expansion/growth and new opportunities. There truly is a buzz in this community and its contagious!

I need my next Public Works Director to be high energy, well-spoken and able to articulate public works language in a way it is understood by my elected, staff and most importantly the community. To mention a couple of other areas with high importance to me is a person that pursues "green" opportunities and is tech savvy. In return I will equip you (your department) with the training/tools necessary to complete your job, hold


you accountable and most importantly you will have my support.

I'm hoping this opportunity in Decatur gets you as excited as I am. You will be working with a team that has a "can do" attitude. Thank you for your interest...

Please take a look at our 2016 team accomplishments.

<http://www.decaturil.gov/wp-content/uploads/2017/06/2016-Community-Projects-Update-.pdf>

Respectfully,



Tim Gleason  
City Manager

## ABOUT DECATUR:

The City of Decatur (Population 73,500) is the largest city and the county seat of Macon County in the State of Illinois. Decatur was founded in 1829 and is located 40 minutes away from the State Capital of Springfield and less than 3 hours away from St. Louis, Indianapolis and Chicago.

With a staff of almost 500 full-time employees and an annual operating budget of \$172 M, Decatur seeks to improve the quality of life for its residents by becoming the premier public service organization in Central Illinois. We believe the fulfillment of our mission will result in pride – pride for and by our community, as well as pride for city employees.



Photo: Downtown Decatur



Photo: Transfer House

### **ABOUT THE DEPARTMENT:**

The Public Works Department includes the divisions of Engineering, Municipal Services, Water Production and Water Services; which include the Streets and Sewers, Urban Forestry, Fleet Maintenance, Municipal Parking System, Traffic Control, Water Production and Maintenance, Water Distribution and Water Metering Sections.

The department staffs approximately 120 full and part time employees, including professional engineers, managers, technicians, skilled and semiskilled workers, and laborers in a union environment. The department has an operating budget of \$101 M and oversight of the 5-year Capital Improvement Program.

### **ABOUT THE POSITION:**

Under the direction of the City Manager, this position Directs and manages infrastructure development and maintenance for the City of Decatur, including the City's streets, sewers and water distribution system. Directs the planning, design, construction, operation and maintenance of structural elements within local public rights-of-way under City control. Also directs and monitors the planning, operation, and maintenance of water impoundment and production facilities, City buildings, the municipal parking system, and the City's vehicles.

### **MAJOR DUTIES:**

The selected candidate prepares and administers the Capital Improvements Program and related projects for the City. Supervises, coordinates, controls and evaluates operations of all division of the Public Works Department, including all personnel functions. Prepares, reviews and approves periodic oral and written reports for the City Manager and City Council. Prepares and reviews departmental objectives and

operating budgets, including those for the Water Operating and Capital Funds; ensures expenditures and operations are in compliance with budget; approves payment estimates to contractors; and approves all purchase orders for the department. Develops and approves requests for professional services, evaluates and recommends consultant proposals; negotiates contracts and supervises engineering consultants under contract with the City. Reviews plans and proposals from private developers; approves compliance with City ordinances, standards and guidelines. Responds to citizen's complaints regarding the Public Works Department, including investigating and implementing solutions to problems; makes presentations to various groups; and responds to media request for information. Meets with Federal and State officials and representatives of other units of local government, as required. Meets with union representatives and classified employees on interpretation of contract and grievances, etc. Attends meetings as a member of various state and national committees and participates in various civic organizations. Performs other related work as required by the City Manager, City Council or the nature of the position.

### **THE IDEAL CANDIDATE:**

The ideal candidate will have five or more years of responsible supervisor level experience in municipal engineering, infrastructure and water production management, including administrative experience. A Bachelor's degree is required in Civil Engineering or a related field, a Master's degree is preferred. A Professional Engineer's license in the State of Illinois is required. The candidate must be an effective communicator, a highly skilled manager and have extensive experience in managing municipal Capital Improvement Programs.

### **SALARY AND BENEFITS:**

The anticipated salary will be in the low \$120's +/- DOE. The City is pleased to offer a comprehensive benefits package that includes health, dental, life, 457-deferred compensation plan and pension through Illinois Municipal Retirement Fund.

### **APPLICATION INSTRUCTIONS:**

To apply, please submit a cover letter, detailed resume, five professional references and salary history via email to the Human Resources Director French Wilson at [fwilson@decaturil.gov](mailto:fwilson@decaturil.gov). The application deadline is 5:00 p.m. Friday, September 22, 2017.

## LIVE

The City of Decatur, a jewel of a community nestled alongside 22 miles of scenic Lake Decatur growing locally and quickly expanding its reputation and reach beyond its Central Illinois boundaries. Decatur is fast becoming a leader in American industry and technological breakthroughs, today growing the products that feed the world and leading the way nationally in the development of sustainable practices and other green initiatives necessary to the growth and protection of this country.

There's something special happening here these days; companies are investing in record numbers and there's a community-wide sense of pride, togetherness and an undeniable spirit for getting things done. We're seeing new stores, restaurants and businesses opening in our city and people across the country are taking note. Decatur recently ranked as a top 12 Best Illinois Cities for Families, a Top 50 Best City for Global Trade, one of the Top 50 Safest Cities in Illinois and a top city in the country for physicians to live. Today Decatur Park District plays host to more than 7,500 youth and adult athletes as part of a number of locally run programs including baseball, soccer, softball, tumbling, wrestling, basketball, Special Olympics and others. This is in addition to a number of golfers in leagues that compete on the city's three award winning golf courses including Red Tail Run, a recently opened signature course designed by legendary PGA Hall of Famer Raymond Floyd. Still, the new Lakeshore Landing lakefront redevelopment is a regional attraction unlike anything that will be seen in Central Illinois.

In short, you really can have it all here, whether you prefer the great outdoors or one of our award-winning parks, live entertainment in the new Downtown Decatur or taking advantage of the stellar educational opportunities at our local schools, colleges and universities.

Check out what we have going on in Decatur.

<http://www.limitlessdecatur.com/>

<https://www.thrivedecatur.com/>

<http://www.decaturmagazine.com/>



Photo: Millikin University

## WORK



Photo: Archer Daniels Midland Co. - Downtown

Decatur is proud to call America's heartland home but our reach is undeniably global, a leader in American manufacturing and a trailblazer in the quest for new energy sources critical to America's future. We are home to agribusiness giant Archer Daniels Midland Co., a leading producer of food ingredients that help feed the world and of the next wave of renewable fuels that power our daily lives. Branches of renewable food producer Tate & Lyle and mining manufacturer Caterpillar Inc. are also here in addition to award winning industry leaders in healthcare, technology, manufacturing, education and human services. Forbes Magazine ranked Decatur second in the country for having a thriving agriculture economy, where the average agribusiness worker earns three times the amount compared to the top ranked community. *Business Facilities* magazine ranked the Decatur area third for logistics hubs in the nation, a place where nearly \$1 billion in capital investment is planned or underway in the region.

On the healthcare front, both St. Mary's Hospital and Decatur Memorial Hospital continue to grow. Decatur Memorial remains in the midst of a \$39 million three-part expansion while St. Mary's recently completed the first phase of what is a \$31 million construction and expansion project both of which continue to position Decatur as a regional and national healthcare leader. This year also saw the opening of the Midwest Inland Port, a real game changer for the region that positions the City of Decatur as a transportation hub the likes of which has never been seen in the area. The intermodal container shipping and receiving facility offers direct access to three Class I railroads, four interstate highways and a major U.S. highway providing importers and exporters flexible access to coastal and export markets. The location provides proximity to 95 million

customers within a day's drive. It represents the only inland port in the nation with access to 3 major rail providers on one privately owned ramp. All without the wait time of ports located in high traffic metros.

#### **VISIT**

The City of Decatur offers award-winning parks and recreational opportunities, restaurants and shopping in the newly redeveloped Downtown Decatur and beyond.

#### **Downtown Decatur**

Experience the new Downtown Decatur, which recently underwent a \$14 million public development imagined as the next step in efforts to bring a new look, feel and energy to the city's Central Business District. The three-phased plan added new sidewalks, landscaping, lighting, recreational opportunities and, perhaps more importantly, it has already spurred a return to prominence of the city's downtown in the form of new businesses and jobs, entertainment options and the creation of a "new" downtown that is now a destination for both local residents and visitors alike.

#### **Lakeshore Landing Lakefront Development Project**

The Decatur Park District and the City continue to work together to bring a new face and amenities to the Nelson Park lakefront. The development is adding new restaurants and recreational amenities, housing, a waterpark, hotel, boat docks and other exciting amenities.

#### **Lake Decatur, Hunting, and Fishing**

Decatur remains one of the few cities in the country with its own inland lake, the City's primary water source and a hotbed of year-round water recreation activities including swimming, water skiing/jet skiing and, of course, fishing. The Lakeshore Landing redevelopment project, now underway, promises to make the shores of Lake Decatur an activity center year round as new restaurants, shops, housing, and other lake-based activities will represent a draw for both locals and visitors from across the Central Illinois region. The City also has a very active hunting community both along the lake and throughout the area (deer, duck, turkey, etc.) with its heavily wooded landscape, varied temperatures and multi-faceted terrain.



Photo: Lake Decatur



# FALL 2017 FE REVIEW SESSIONS

## ATTENTION SENIOR OR GRADUATE CIVIL ENGINEERING MAJORS\*\*

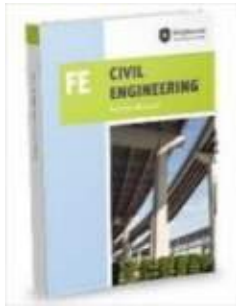
<u>Date</u>	<u>Subject</u>	<u>Instructor</u>	<u>Time</u>	<u>Place</u>
Mon. 10/02/17*	Dynamics*	Dr. Yan	4:30 – 6:00 PM	EB 0160
Wed. 10/04/17*	Surveying/Construction*	Prof. Sherrill	6:15 – 7:30 PM	EB 0160
Mon. 10/09/17	Statistics/Math	Dr. Chew	4:30 – 6:00 PM	EB 0160
Wed. 10/11/17	Environmental Engineering	Dr. Zhou	4:30 – 6:00 PM	EB 0160
Mon. 10/16/17	Engineering Materials	Dr. Huang	4:30 – 6:00 PM	EB 0160
Wed. 10/18/17	Mechanics of Solids	Dr. Panahshahi	4:30 – 6:00 PM	EB 0160
Mon. 10/23/17	Structural Analysis	Dr. Cross	4:30 – 6:00 PM	EB 0160
Wed. 10/25/17	Structural Design: Concrete	Dr. Panahshahi	4:30 – 6:00 PM	EB 0160
Mon. 10/30/17	Computational Tools	Prof. Vaughn	4:30 – 6:00 PM	EB 0160
Mon. 10/30/17	Geotechnical Engineering	Dr. Osouli	6:15 - 7:45 PM	EB 0160
Wed. 11/01/17	Engineering Economics	Dr. Eneyo	4:30 – 6:00 PM	EB 0160
Mon. 11/06/17	Fluid Mechanics	Dr. Celik	4:30 – 6:00 pm	EB 0160
Wed. 11/08/17	Transportation Engineering	Dr. Qi	4:30 – 6:00 PM	EB 0160
Mon. 11/13/17	Statics	Dr. Fries	4:30 – 6:00 PM	EB 0160
Wed. 11/15/17	Hydraulics/Hydrologic Systems	Dr. Benjankar	4:30 – 6:00 PM	EB 0160

\* IF YOU WISH TO PURCHASE A CIVIL (OR MECHANICAL OR INDUSTRIAL) ENGINEERING FE REVIEW MANUAL (PUBLISHED BY BRIGHTWOOD ENGINEERING EDUCATION) FOR A SPECIAL DISCOUNT RATE OF \$60 AND SAVE ON SHIPPING COST, PLEASE E-MAIL OR CALL ERICH KOPP, CHI EPSILON PRESIDENT, AT [ekopp@siue.edu](mailto:ekopp@siue.edu) OR (815) 585-1653 AND MENTION THE TYPE OF MANUAL YOU WILL NEED. THEN BRING \$60 (CASH OR CHECK PAYABLE TO "CHI EPSILON") TO THE FIRST OR SECOND REVIEW SESSION ON MONDAY, 10/2/17, OR ON WEDNESDAY, 10/4/17, TO GET YOUR MANUAL.



ALL SESSIONS ARE FREE TO CURRENTLY ENROLLED SIUE STUDENTS AND COST \$15 PER SESSION FOR OTHERS. FOR MORE INFORMATION PLEASE CONTACT ERICH KOPP, [ekopp@siue.edu](mailto:ekopp@siue.edu) OR (815) 585-1653.

\*\* Mechanical and Industrial Engineering majors – many of the review session topics are also applicable to your major's FE Exam. Please feel free to attend them as well.



## **Jianpeng "Jim" Zhou named EWRI Fellow**



(Please note the above is taken from the July 27 – Aug 2 issue of the *St. Louis American*)

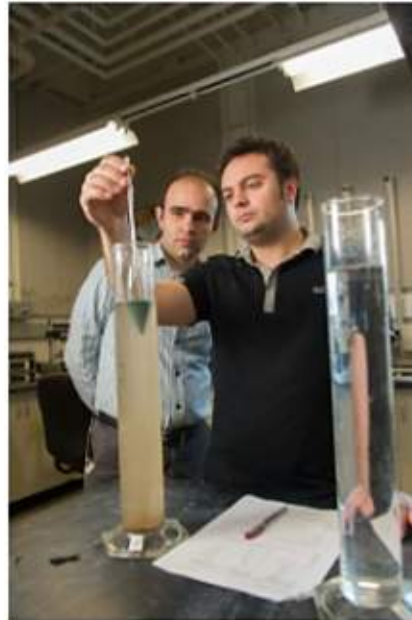
Jianpeng "Jim" Zhou, of the Southern Illinois University Edwardsville School of Engineering (SOE), has become a fellow of the Environmental and Water Resources Institute (EWRI). The Environmental and Water Resources Institute, comprising approximately 26,000 members, is the specialty technical institute of the American Society of Civil Engineers, which boasts approximately 150,000 members. Zhou is currently a professor at the School of Engineering's Civil Engineering department and current vice-chair of the St. Louis Chapter of EWRI.

The designation as EWRI fellow recognizes Zhou's professional accomplishments in the field of environmental engineering and water resources, and for his contributions to education, mentoring and leadership. "Engineering work with environmental and water resources is one of the most essential aspects of society," Zhou said. The tangible results of his engineering work is what draws him to it: "Seeing the clear linkage of my work in water, wastewater, and stormwater management to people's daily lives, and in meeting the needs of our community, keep me passionate about what I do."

# Gain the Competitive Edge at SIUE

Whether you are a working professional or a full-time student, the Southern Illinois University Edwardsville School of Engineering graduate program will prepare you for **advancement opportunities**, placing you in a better position to boost your **salary potential** and attain **career goals** in a competitive job market.

- Pursue a graduate degree in civil engineering while gaining expertise in the field.
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- Conduct field and lab-based research and learn from highly-qualified faculty who are experts in their respective fields.



## New! Earn Your Master's Degree with a Geotechnical Engineering Specialization

SIUE's Civil Engineering Program is expanding offerings in the geotechnical area to better suit the needs of students and local professionals. All courses are offered in the evening.

### Summer 2017

CE 435 Pavement Design

CE 592-001 Design of Levees and Floodwalls

### Fall 2017

CE 457 Soil Mechanics in Engineering

CE 492-11 Soil Improvement Methods

CE 592-02 Advanced Soil Mechanics

### Spring 2018

CE 492-12 Environmental Geotechnics

CE 548 Finite Elements

CE 592-11 Geotechnical Earthquake Engineering

If you are interested in the Civil Engineering graduate program, contact Dr. Ryan Fries at [rfries@siue.edu](mailto:rfries@siue.edu). For information on the geotechnical specialization, contact Dr. Reza Osouli at [aosouli@siue.edu](mailto:aosouli@siue.edu).

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

SCHOOL OF ENGINEERING

[siue.edu/grad/civil-engineering](http://siue.edu/grad/civil-engineering)

# UNDERGROUND UTILITIES SOLUTIONS

THURSDAY, OCTOBER 12, 2017 8AM-NOON

MAPLE/DOGWOOD CONFERENCE ROOM IN THE MORRIS UNIVERSITY CENTER

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE



Hosted by



**4 PDH credits** will be offered through presentations covering the following topics:

- Drainage Pipe Material Selection for the Real World
- Revitalizing the Underground in Downtown St. Louis with Civil Construction
- The Process for Gas Main Extensions
- Overview and Design of Cured-in-Place Pipe (CIPP) for Gravity Sewers, Storm Drains and Culverts
- Trained Inspectors for Trenchless Rehabilitation Projects

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**Register online through <https://www.siu.edu/educationaloutreach/registration1.shtml>**

**or by email [cgorsag@siue.edu](mailto:cgorsag@siue.edu).**

# Missouri University of Science and Technology

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By taking a few online courses, you will be able to demonstrate advanced knowledge in the field of civil or environmental engineering.

#### Online Certificate Programs

- **Contemporary Structural Engineering** - Analysis and design of structural systems; including structural vibrations and stability, advanced steel and concrete design, and using composite materials to strengthen structural systems.
- **Geoenvironmental Engineering** - Design, implementation and management of cost effective site assessment and ground investigation, advanced analysis techniques in soil mechanics and environmental topics.
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#### Online Graduate Degrees

Graduate certificate programs may also be used as a pathway to a graduate degree program. **Credits earned in a certificate program can be counted toward the master's degree** so long as you earn a B or better in each certificate course. In this case, you can apply for admission to the department's master's degree programs without needing to submit GRE scores.

For more information, contact the Department of Civil, Architectural and Environmental Engineering at []. Or go online to learn more at: <http://dce.mst.edu/credit/certificates/>

## Retirement

Celebrating Career of Jerry Bayless, Unparalleled Contributions to Civil Engineering Education in Missouri -

We invite friends and alumni to celebrate the amazing and unmatched career of Jerry Bayless with a banquet October 26<sup>th</sup> in Rolla, Missouri. We will be joined by ASCE 2019 President, Robin Kemper, P.E., LEED AP, F.SEI, F.ASCE. Ms. Kemper will make a presentation at 2:00 PM in Butler Carlton Civil Engineering Hall on the future of civil engineering. Registration for the banquet is available at [www.MINERALUMNI.COM/HOMECOMING](http://www.MINERALUMNI.COM/HOMECOMING). Seating is limited.

Jerry Bayless has served as an instructor and professor for an unparalleled tenure in the state of Missouri, and has decided to hang up his slide rule and put away his notes. Jerry retired in February 2017 as an associate professor of architectural and environmental engineering at Missouri S&T. He first came to the campus in 1955 as a freshman from Cuba, Missouri. He earned a bachelor of science degree in civil engineering in 1959 — the same year he joined the faculty — and added a master's degree in civil engineering in 1962.

Regardless of the name of the premier engineering institution -- Missouri School of Mines and Metallurgy, the University of Missouri-Rolla or Missouri University of Science and Technology -- Jerry Bayless has served to educate generations of engineers.

Known as "Mr. UMR" for many years, Bayless has educated, trained, mentored and befriended thousands of students. "There's nobody who has made such an impact on our students in our nearly 150 years of civil engineering education in Rolla," says Dr. Joel Burken, Curators' Distinguished Professor and chair of civil, architectural and environmental engineering.

We hope you can join us for this joyous celebration of a career that has impacted the civil engineering profession of Missouri for more than half a century.

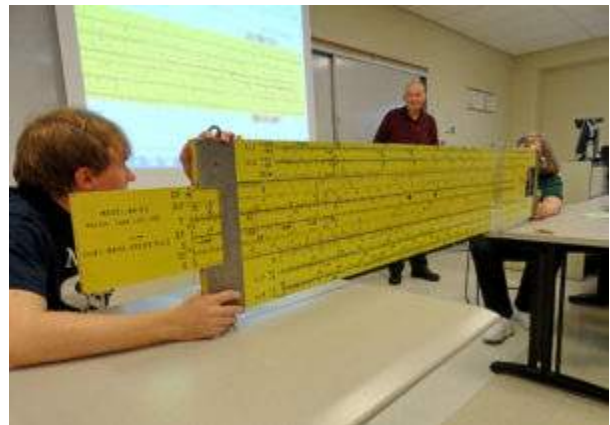
*"A teacher affects eternity; he can never tell where his influence stops."*

- Henry Brooks Adams 1907 (1838-1918)

Jerry Bayless, center, shows students how to use a slide rule.

Bayless served as an assistant to the chair of civil engineering and as the assistant dean of engineering. In 1990, he became associate dean and in 2004 he received the Chancellor Medal. Bayless is a recipient of the Alumni Merit Award, was an honorary St. Pat and parade marshal, and was named a Missouri S&T Alumni of Influence in 2011.

<http://news.mst.edu/2017/02/mr-st-hangs-up-his-slide-rule/>



YOU ARE INVITED TO JOIN US

**THURSDAY, OCT. 26, 2017**

DURING HOMECOMING WEEKEND AS  
WE CELEBRATE THE RETIREMENT OF

**JERRY BAYLESS**



Bayless has been a part of Missouri S&T since he was a first-year student in 1955. He has influenced thousands of students after more than 57 years teaching at S&T.



**Reunite with friends, explore campus  
and celebrate your Miner Pride!**

Hasselmann Alumni House | Social Hour: 5 p.m. | Dinner: 7 p.m.

REGISTER ONLINE OR POST A TRIBUTE AT:  
**MINERALUMNI.COM/HOMECOMING**



**Civil, Architectural and  
Environmental Engineering**

**To submit items to the newsletter...**

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 20<sup>th</sup> of the month prior to publication. Items may be sent via e-mail to Jeff Meyer (ASCE newsletter editor) at [jameye@stlmsd.com](mailto:jameye@stlmsd.com). MS Word files are the preferred file type. PDF files are also acceptable but may not look as sharp when inserted into the newsletter and hyperlinks might not carry through to the final version. For multiple page announcements, please consider providing a single-page flyer, concisely worded, with links provided to ancillary pages such as registration forms or other attachments. Also, please clearly include in the email subject line a concise title for the announcement and desired month(s) of publication.

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](http://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 Section's Website Editor is Jeff Smith e-mail: [JESmith@HNTB.com](mailto:JESmith@HNTB.com) or via feedback directly from our website.

For more information and updates see our Web Page: [Http://sections.asce.org/stlouis/index.html](http://sections.asce.org/stlouis/index.html)

This newsletter will be sent to all Section members via e-mail. Delivery of the newsletter hardcopy by First Class mail will be made upon request. Members have the responsibility to keep their contact information in the ASCE national database up to date. Please note that the St. Louis Section is only provided with members' PRIMARY information on file at the Society level. To ensure that we can contact you, please edit your PRIMARY information to contain the information where you would like the section to contact you and how you would like your information to appear in our annual roster.

***Please be sure to keep your PRIMARY contact information up-to-date by contacting ASCE at <http://www.asce.org>, or call 800-548-ASCE (2723).***



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c/o The Engineering Center  
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