

ASCE

American Society
of Civil Engineers



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ASCE Illinois Section

News

Vol. 40, No. 1
January 1999

Opportunities Abound for Engineers to Help with National Engineers Week Student Competitions

National Engineers Week is fast approaching and many student contests and competitions are in full swing. These include the Future City Competition, Poster Essay competition, MATHCOUNTS and the Bridge Building Contest. These various competitions are open for students from 3rd grade through high school and are intended to create an interest in math, science and engineering. In order for them to function, volunteers are needed to perform a variety of different roles. This takes people just like you to lend a hand to help develop the engineers of the future.

The National Engineers Week Future City Competition is in its 7th year and is being held in 15 cities nationwide. This competition fosters interest in engineering, math and science through hands-on, real world application. Students use sim city 2000™ software to design their city, build a scale model of a portion of their futuristic city, write a 500-word essay on a specific engineering topic, work as a team of 3 students, a teacher and an engineer mentor and apply their knowledge to real world situations.

The student teams begin in October and compete at the regional competition on January 23, 1999. The winner of each regional competes in Washington D.C. at the national competition on February 23 and 24, 1999.

Judges are needed to help with the regional competition. They are asked to attend a training session and a precompetition judging of posters and essays on the morning of Saturday, January 16, 1999. The judges are also asked to judge at the regional competition at U.I.C. on Saturday, January 23, 1999. This day involves judging the student's models and presentations. Please call or email Don Wittmer at

(312) 930-9119 or dwittmer@hntb.com if you can help out with either or both days.

The Poster Essay Competition requires third through eighth grade students to write a 200-500 word essay on an engineer living or deceased who has had an impact on their lives or the world around them. The poster should illustrate the work or aspect of the subject engineer and the concepts of Engineers Week. The competition encourages

students to explore their interest in science and engineering, and recognizes their writing and artistic skills. The team of up to three students and a

teacher/sponsor submit essays and posters. Judges are needed to help with the competition. Please call Deborah Zroka at (773) 935-6376 if you can help out.

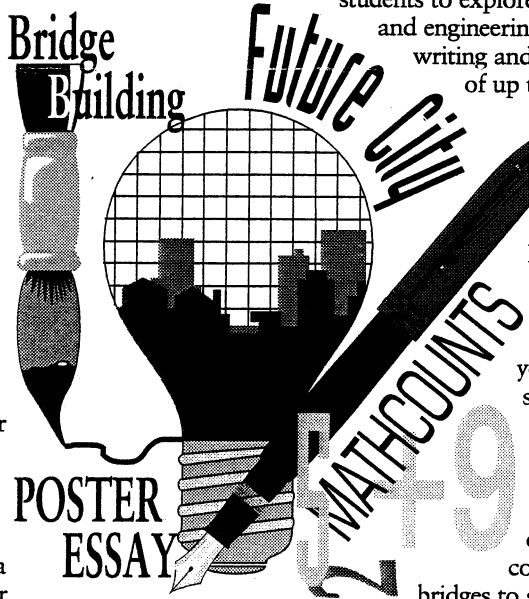
For twenty-five years, thousands of high school students have competed in the Bridge Building Contest. The students design, build and test their bridge to destruction. The students construct bass wood

bridges to span a 300 mm gap and can weigh no more than 25 grams.

The bridges are judged on their efficiency.

The twenty-fifth annual Chicago Regional Bridge Building Contest will be held February 16, 1999 at Illinois Institute of Technology. The twenty-second annual International Bridge Building Contest will also be held April 24, 1999 at Illinois Institute of Technology. Engineers are needed to help judge the Chicago regional contest. The judge's witness the students' testing of their bridges, talk with them about how their bridges failed and what can be done to improve them. Those interested can contact George Krupa at (312) 648-9900.

(continued on page 8)



3rd National Conference of the Geo-Institute of ASCE Geo Engineering for Underground Facilities

Join a lively mix of engineers, geologists, representatives from state and municipal agencies, academia, specialty contractors, manufacturers, and suppliers for the 3rd National Conference of the Geo-Institute.

The 3rd National Conference of the Geo-Institute of ASCE will be held June 13-17, 1999 at the Krannert Center for the Performing Arts and the Levis Faculty Center on the campus of the University of Illinois in Urbana, Illinois. This event is nationally recognized as the preeminent meeting devoted solely to geotechnical engineering. More than 500 engineers, contractors, owners, and gov-

ernment officials are expected to participate in the conference, which highlights:

- ▲ Urban underground construction: excavations, tunnels, microtunnels, ground movements, ground control, and effects on structures
- ▲ Tunnels and caverns for transport and storage: water, gas, and nuclear waste
- ▲ Ground support and long-term performance of tunnel linings
- ▲ Tunnel machine-ground interaction
- ▲ Ground subsidence and sinkholes: natural and excavation-induced
- ▲ Grouting and drainage
- ▲ Remediation and containment in underground construction
- ▲ Contractual-geotechnical engineering issues
- ▲ Instruction in geotechnical engineering
- ▲ Case histories of predicted versus actual performance

A full day will be devoted to short courses on microtunneling, tunnel liner design, ground structure interaction,

earth-retaining structures, groundwater control, site characterization, and material engineering properties.

Dedicated sessions will be devoted to field demonstrations that will be conducted at a nearby location. Here's an opportunity for first-hand, up-close observations to bring to life the themes covered in the presentations. Attendees will take home lasting impressions of the benefits of geotechnical engineering applications for solutions to their underground construction projects.

In addition, field trips are scheduled to Chicago to view historic building foundations and braced excavations and to central Illinois and the St. Louis area to observe mine subsidence.

Sponsors: University of Illinois at Urbana-Champaign, The Department of Civil Engineering, The Geo-Institute of the American Society of Civil Engineers, and the Office of Continuing Education

ASCE Illinois Section News

ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members
American Society of Civil Engineers
Illinois Section - Zone III - District 8

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Send change of address notices to the Secretary, Illinois Section ASCE, 203 N. Wabash, Room 1000, Chicago, IL 60601; or call (312) 263-1606, Fax: (312) 372-5673, or email at: isasce@popmail.mcs.net

Web Site: <http://www.mcs.net/~isasce/>

Submission deadline for the Feb. Newsletter is Jan. 11, 1999

ERIKSSON ENGINEERING ASSOCIATES, LTD.

Please send resumes to:

Mike Renner, P.E.
Eriksson Engineering
Associates, Ltd.
145 Commerce Drive
Suite A
Grayslake, IL 60030

Phone: (847) 223-4804
Fax: (847) 223-4864
e-mail: eealtd@aol.com

Eriksson Engineering Associates, Ltd. is a civil engineering consulting firm located in Grayslake, Illinois that provides a wide range of engineering services. We serve clients in both the public and private sectors.

We are currently seeking a recent graduate with a B.S. in Civil Engineering who would have entry-level design engineer responsibilities. The candidate should possess knowledge of AutoCAD, MS Word, MS Excel, and preferably our civil engineering software package, Eagle Point. The candidate should possess good communication skills in order to work cooperatively with other project disciplines.

Position is available immediately with a negotiable starting salary and full benefits package.

President's Notes

John O'Holleran

Included on this page is the Section's approved budget for 1999 with a comparison to our 1998 performance. For those of you who find the line-by-line analysis of budgets a fascinating endeavor, go for it. I will be happy to answer any questions you might have.

I will address the most notable questions before they are asked. First, the dramatic increase in income during fiscal year 1998 can be attributed to two events: the substantial donation to the Section for the Sitner Estate and the collection of sponsorships in support of the national technical conference presented by ASCE last spring. Second, a significant contributor to the budget deficit in fiscal year 1999 is the need to forward the technical conference sponsorship funds to ASCE.

With those bookkeeping issues accounted for, I can assure you that the Section is financially sound. Dues collections have increased, and ASCE has continued to support our programs through continued allocations and public affairs grants. The Section maintains a healthy balance in our reserve funds to assure continued operation during the year.

The Section operational expenditures have remained relatively stable with the exception of the newsletter. As many of our members have noted, the content and quality of our newsletter has improved tremendously during the past year. Although this improvement has resulted in an increase in the production cost, it is considered an important service to our membership, and we are committed to the continued improvement of the newsletter.

The Section continues its support of our on-going programs. The outreach to the three local universities has resulted in increased support for the activities of the student chapters. We plan to continue this support in the coming year.

The minority student program was unable to sponsor students at the annual summer program at the University of Notre Dame. We plan to continue supporting this program and are currently seeking additional leadership in this committee. Anyone interested in working with the Section on this program should contact me.

Finally, we are evaluating the location and costs of the annual dinner. This dinner is the highlight of our year and has

been well supported by our membership. The cost for the dinner has continued to increase, while we have worked to maintain the costs.

The approved budget is designed to maintain our current programs and

encourage our members to initiate new programs that promote the mission of our Society. I would be pleased to discuss any ideas or suggestions you might have on the direction of the Section or the programs we offer to our membership.

ILLINOIS SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS FY 1999 Budget

ACT. NO.	INCOME ACCOUNT	98 BUDGET	98 ACTUAL	99 BUDGET
21	Section Dues	\$ 28,000.00	\$ 34,246.00	\$ 34,000.00
22	Society Allotment	\$ 6,200.00	\$ 5,789.00	\$ 6,200.00
22A	Public Affairs Grant	\$ 7,051.00	\$ 4,231.00	\$ 7,000.00
23	Interest Income (Checking)	\$ 600.00	\$ 503.71	\$ 500.00
23B	Interest Income (Savings)	\$ 1,700.00	\$ 2,780.63	\$ 2,500.00
25	Contributions (Minority Program)	\$ 500.00	\$ 0.00	\$ 0.00
25A	Contributions (Miscellaneous)	\$ 0.00	\$ 31,797.90	\$ 0.00
31	Advertising Income (Membership Directory)	\$ 0.00	\$ 0.00	\$ 0.00
31A	Advertising Income (Newsletter)	\$ 2,500.00	\$ 3,734.00	\$ 3,800.00
34	Dinners (Annual Meeting)	\$ 18,000.00	\$ 15,473.00	\$ 15,500.00
34A	Dinners (Evening Meeting)	\$ 1,500.00	\$ 2,178.00	\$ 2,000.00
34B	Luncheons (Noon Luncheon)	\$ 0.00	\$ 0.00	\$ 0.00
36	Educational Conference	\$ 0.00	\$ 27,650.00	\$ 0.00
40C	Miscellaneous (General)	\$ 0.00	\$ 0.00	\$ 0.00
53A	Web Site	\$ 0.00	\$ 0.00	\$ 1,000.00
75	Golf Outing	\$ 12,000.00	\$ 6,650.00	\$ 7,000.00
		<u>\$ 78,051.00</u>	<u>\$ 135,033.24</u>	<u>\$ 79,500.00</u>

ACT. NO.	EXPENDITURE ACCOUNT	98 BUDGET	98 ACTUAL	99 BUDGET
22A	Public Affairs Grant	\$ 7,051.00	\$ 0.00	\$ 6,200.00
34	Dinner (Annual Meeting)	\$ 18,000.00	\$ 16,113.73	\$ 15,500.00
34A	Dinners (Evening Meetings)	\$ 4,000.00	\$ 5,372.78	\$ 5,000.00
34B	Luncheons (Noon Lunches)	\$ 0.00	\$ 0.00	\$ 2,000.00
35	ASCE Conferences	\$ 800.00	\$ 1,623.50	\$ 2,000.00
36	Educational Conferences	\$ 3,000.00	\$ 1,020.00	\$ 29,630.00
40	Miscellaneous (Awards)	\$ 300.00	\$ 0.00	\$ 300.00
40B	Miscellaneous (Groups)	\$ 2,000.00	\$ 0.00	\$ 2,000.00
40C	Miscellaneous (General)	\$ 1,500.00	\$ 0.00	\$ 1,500.00
40D	Miscellaneous (Engineer's Week)	\$ 500.00	\$ 500.00	\$ 500.00
41	Minority Program	\$ 4,000.00	\$ 208.00	\$ 4,000.00
51	Stationary & Office Supplies	\$ 2,500.00	\$ 2,580.77	\$ 2,500.00
51A	Office Equipment & Maintenance	\$ 500.00	\$ 0.00	\$ 500.00
52	Postage	\$ 600.00	\$ 793.36	\$ 800.00
53	Telephone	\$ 1,000.00	\$ 1,023.89	\$ 1,000.00
53A	Web Site	\$ 120.00	\$ 120.00	\$ 120.00
54	Newsletter	\$ 20,000.00	\$ 29,096.92	\$ 30,000.00
55	Year Book (Membership Directory)	\$ 3,000.00	\$ 0.00	\$ 3,000.00
60	Student Activities	\$ 2,500.00	\$ 4,200.00	\$ 4,500.00
63	Official Travel	\$ 2,000.00	\$ 704.20	\$ 2,000.00
65	ASCE Council (IEC & IECA)	\$ 305.00	\$ 200.00	\$ 810.00
68	Secretarial Services	\$ 12,480.00	\$ 12,480.00	\$ 12,480.00
70	Rent	\$ 3,300.00	\$ 2,944.51	\$ 3,000.00
75	Golf Outing	\$ 6,000.00	\$ 4,839.72	\$ 6,000.00
		<u>\$ 88,405.00</u>	<u>\$ 83,821.38</u>	<u>\$ 129,140.00</u>

Illinois Section News & Secretary Report

In an effort to better inform ASCE Illinois Section Members of Board Meeting discussions and Section activities, the Section Secretary will be contributing this monthly article to the newsletter. Any feedback on the Section activities or membership needs is welcome and can be sent to the Section office address noted on the Newsletter's editorial section on page 2.

Each Section Group reported on their past month's activities and future group meetings as noted in the Section Activities portion of this newsletter. Highlights of future Group activities are as follows:

■ Group Reports

▲ The Transportation Group had 60 attendees at their luncheon program (co-sponsored with ISPE) featuring Mr. Wally Kos, Cook County Engineer. The program was held on November 18 at Union League Club. No meeting is scheduled for December. The January program is still in the works. The group is also taking a look at their by-laws, their group description in the Illinois Section Manual of Operations, their accounting balance with respect to their scholarship program, and looking into a Group-sponsored short course.

▲ The Younger Member Group had 16 attendees at their November 19 dinner program on the CUP-O'Hare Reservoir Project at the offices of Teng & Associates. The guest speaker was Linda Sorn of the Chicago District U.S. Army Corps of Engineers. A December Holiday Party is being held December 16 at Ranalli's. Canned goods will be collected and donated to a charitable organization. The January meeting will feature the New River Gorge bridge inspection and bungee jump. A Technical Writing for Engineers Seminar is tentatively set for March 26, 1999.

▲ The Urban Planning & Development Group had 9 attendees at a breakfast meeting at Denny's in Oakbrook Terrace. Their Soil Erosion and Sediment Control Seminar, held on October 21 in Schaumburg, was discussed. In addition, tasks were assigned to group members regarding information gathering for their next seminar. A December meeting is planned for Denny's in Oakbrook Terrace to choose a topic for the secondary article for the March newsletter.

▲ The Environmental Engineering & Water Resources Group are planning a Holiday Party at Greek Islands on December 8. Future events include seminars for HEC-RAS in May, HEC-HMS in June, River Geomorphology in June and advanced FEQ in October.

▲ The Geotechnical Group had 28 attendees at their November dinner meeting, which featured Dr. Howard Reeves of Northwestern University. He presented an interesting talk entitled Automated Model Calibration for Geoenvironmental Problems. A December meeting is being held on December 8 at the Como Inn. Mr. William Walton of STS will be the featured speaker. His talk is entitled Geotechnical Assistance at the World's First Circored Reduced Iron Plant in Trinidad, West Indies.

▲ The Structural Group had 26 people at their November dinner meeting on the 7 South Dearborn Project presented by Mr. William Baker of Skidmore Owens & Merrill. He discussed the unique challenges associated with this ultratall 2000-foot-high building planned for downtown Chicago. Their December meeting, a joint meeting with SEAIO and the Great Lakes Chapter of the Earthquake Engineering Research Institute, featured a presentation by Dr. Bruce Bolt, Professor Emeritus of U-C Berkeley. There were 45 attendees. A January dinner meeting is being planned. Dr. Zdenek Bazant of Northwestern University will discuss

lessons learned from structural catastrophes. Planning of the 1999 lecture series is also underway.

■ Additional Section Business

▲ The Engineers' Week Committee reported that the E-week luncheon is being planned for Friday, February 26. The committee is working on obtaining MWRDGC's Hugh McMillan as guest speaker and Felicia Middlebrooks as MC. Committee Chair Wittmer is looking for volunteers for the various competitions (Future Cities, Poster Essay, Mathcounts, Bridge Building).

▲ Director Krepfl reported for the Student Affairs Committee that initial contacts have been made with all three faculty advisors. However, with final exams approaching, there has been no contact made with the student chapters.

▲ The Board approved a web-site advertising policy spearheaded by Director Trojan.

▲ The Board approved sending three new directors (Zimmermann, Vincent, and Gil) to attend the Zone III Management conference in Houston February 5-7, 1999. The Board also approved a budget request submitted by the Younger Member Group to send two of their officers to attend the concurrent younger member conference.

—By Cleighton Smith, Secretary

Lake County Division of Transportation

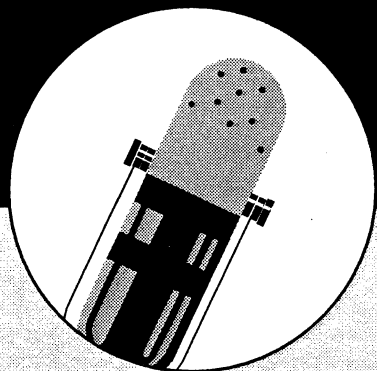
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TO APPLY: Lake County Courthouse, Human Resources, 18 North County Street 7th Floor, Waukegan, IL 60085. Fax (847) 360-6592. Job Hotline (847) 360-3662. www.co.lake.il.us

ASCE
ILLINOIS SECTION
STRUCTURAL GROUP
and SEAIO *Present*



Panelists will include:

William Liddy, AISC

Lou Chrzasc, Chicago Dept.
of Transportation

Max Lorig, Lorig Construction Co.

Cliff Bedar, HDR Engineering

Mary Mazza, AVA Insurance

Bruce Dinkheller, Illinois Dept.
of Transportation

Eli Cohen, TT-CBM Engineers

S. K. Ghosh, S. K. Ghosh Assocs.

David Sharpe, IIT

R. Shankar Nair, Teng & Assocs.

Fred Haas, Danny's Construction

Dennis Penepacker, Chicago
Transit Authority

William Tupper, Metra

Tom Domagalski, Illinois Dept.
of Transportation

The 1999 Lecture Series: Engineering Into the 21st Century

March 10

**Bridge Structures: Historical Review,
Current Approaches & Future Trends**
Presented by: Joseph Pullaro, A. G. Lichtenstein
& Associates, New Jersey and Daniel Burroughs,
J. Muller International, Chicago

March 24

Construction in the 21st Century
Presented by: Mark Friedlander, Shiff Hardin &
Waite, Chicago, Michael Goodkind and Muthia
Kasi, Alfred Benesch & Company, Chicago

April 7

**High Rise Building Structures: Conception,
Evolution, and Prospects for the New Millennium**
Presented by: Joseph Colaco, CBM Engineers,
Houston and John Zils, Skidmore Owings &
Merrill LLP, Chicago

April 21

Transportation Structures in the Next Century
Presented by: Stan L. Kaderbek, Chicago
Department of Transportation and
Alison Conway-Smith, Amtrak, Philadelphia

Location:

The Harold Washington Library Center Auditorium
400 South State Street, Chicago

The Structural Group and co-sponsor SEAIO will present its thirteenth biennial lecture series. The lecture series will feature four sessions, each held on a separate evening, that will focus on key issues of the near future that today's engineers will be facing. During each of the sessions, nationally recognized speakers will offer their unique perspectives of these issues, and panels of experts will lead group discussions of the topics. Registrants will receive a copy of the symposium proceedings, and for those attending all four sessions, 1.0 CEU's will be earned. The cost to attend the lecture series will be \$150 for those who register before February 5, 1999, and \$175 for registrations received afterward.

To register or for further information, please contact
Barb Pries at ASCE, (312) 263-1606.

Environmental Engineering & Water Resources Group

The Executive Committee of EE&WR meets the second Tuesday of every month. We always welcome new faces and ideas. If you would like to be active in planning activities related to environmental or water resources engineering and would like more information contact Thomas Burke. Our January meeting will focus on organizing upcoming seminars and the 1999 student scholarship.

Next Regular Meeting:

Date: January 12, 1999

Time: 5:30 p.m.

Place: Christopher B. Burke
Engineering, Ltd.
9575 West Higgins Road
Suite 600
Rosemont, Illinois

Info: Thomas Burke
(847) 823-0500

Geotechnical Group

Geotechnical Group meetings are normally held every second Tuesday of the month, September through May.

Time: 5:30 pm Social
6:30 pm Dinner
7:30 pm Presentation

Place: Como Inn Restaurant
546 N. Milwaukee Avenue
Chicago, Illinois

Cost: \$25.00 with reservations
\$30.00 at the door
\$10 for students with
reservations
\$15.00 for faculty with
reservations

RSVP: Barb Pries at (312) 263-1606
by Friday, January 8, 1999

January Meeting

The January meeting will be held on Tuesday, January 12, 1998 at the Como Inn in Chicago. This meeting will be a joint dinner meeting with AEG. The speaker is to be announced.

Younger Member Group

January Dinner Meeting

New River Gorge Bridge Inspection and Bungee Jumping GMC Jimmy

Opened to traffic in 1977, the New River Gorge Bridge is truly a world class structure. The steel arch bridge is over 3,000 feet long with a 1,700 feet arch span and rises nearly 800 feet above the river, making it the second highest bridge in the USA. The program will feature a presentation by William J. Amrhein, Structural Manager at Baker Engineering, Inc. and co-author of the FHWA "Bridge Inspector's Training Manual/90". Mr. Amrhein led an in-depth inspection of the bridge and was Site Engineer during the production of a TV commercial, which featured a GMC Jimmy bungee jumping from the bridge. Come see breathtaking photos of an amazing bridge!

Date: Wednesday, January 20th, 1999

Time: 5:30 pm

Place: Chicago
111 N. Canal
1st Floor Conference Room

Cost: \$12

RSVP: Ryan Issel at (312) 707-8770

Other Events:

23rd - Future Cities Contest Judging
Contact Don Wittmer
at (312) 930-9119 or
dwittmer@hntb.com.

March - Technical Writing for
Engineers Seminar

February Meeting: *Technical Writing
for Engineers*

Urban Planning & Development Group

Concerned about important issues confronting the civil engineering profession? Visit our next meeting to discuss these items with fellow civil engineers involved in government, private practice, construction, consulting, and other disciplines. Please contact Jeff Gutowsky at (847) 895-3640.

Group meetings are held every third Thursday of the month. The back room at Denny's has been reserved for the Group. Our next scheduled meeting will be:

Our next scheduled meeting will be:

Date: January 21, 1999

Time: 7:30 a.m.

Place: Denny's Restaurant
17 West 660 22nd Street
Oakbrook Terrace, IL
(630) 932-1888

Transportation Group

January Luncheon Meeting

Update on Midwest Rail Planning
By Mr. James Wolf, Director of
Government Affairs, Amtrak

Amtrak, the Federal Railroad Administration, and nine Midwest States recently completed a preliminary study of improving and expanding passenger rail service. The Midwest Rail Initiative is developing a business plan for a regional passenger rail system with Chicago as its hub.

Structural Group Scholarship Award

The Structural Group will be awarding its annual scholarship. Full-time junior or senior students with an interest in structural engineering who attend the University of Illinois at Chicago, the Illinois Institute of Technology, or Northwestern University are eligible. ASCE members are asked to encourage eligible students to apply. Applications are due by February 28, 1998, and may be obtained by calling Dan Burke at (312) 744-5807.



The speaker at ASCE's January 21, 1999 meeting will be Jim Wolfe. Mr. Wolf is Director of Government Affairs for Amtrak in Chicago and has played a key role in the Midwest study. An update will be given on the Midwest Rail Initiative, the study results, the recommended routes, and the next steps being undertaken. Amtrak and the nine Midwest States are moving forward with key early implementation steps and with development of more detailed plans for facility and equipment improvements.

Date: Thursday, January 21, 1999
Time: 11:30 am-12:00 pm: Social
 12:00 pm: Lunch
 12:30 pm: Presentation
Place: Berghoff Restaurant
 17 W. Adams
 Chicago, IL 60603
Cost: \$25.00 Members
 \$15.00 Students
RSVP: Huron Winstead
 at 847-279-2466 or
 Peter Johnston
 at 773-399-0112
 by Tuesday, January 19, 1999

Structural Group

January Meeting: "Structural Catastrophes: What have we learned?"

Dr. Zdenek P. Bazant of Northwestern University will present a thought provoking analysis of the lessons learned from many famous structural failures. The failures that he'll be discussing are classified into three types: (1) those which ignored existing theories as well as the design code; (2) those caused by obsolescence of the design code, resulting from disregard of existing theories; and (3) those which couldn't be anticipated based on existing theory or design code. He'll review the events and their causes. Some appraisals of the causes offered by Dr. Bazant will differ from previous conclusions. He will challenge excessive reliance by engineers on design codes and offer ideas for the further evolution of design procedures and codes.

Date: Wednesday, January 20, 1999
Time: 5:15 pm Social
 6:00 pm Dinner
 7:00 pm Presentation

Place: Como Inn Restaurant
 546 N. Milwaukee Avenue
 Chicago, Illinois
Cost: \$25.00 Members
 \$15.00 Students
RSVP: Barb Pries at 312.263.1606
 by Friday, January 15

Investigation and Repair of Terra Cotta Facades

By Mr. Kurt Hoigard and
 Mr. George Mulholland
 Rath's, Rath's, & Johnson, Inc.

With the recent occurrences of sections of terra cotta falling off buildings in Chicago's Loop, questions regarding the durability of terra cotta have risen. With the formation of the City of Chicago's Task Force on Terra Cotta Facades many more structural engineers

are getting involved in the inspection of terra cotta facades.

Messrs. Hoigard and Mulholland will present some of the problems experienced by terra cotta facades, describe investigative work used to locate and assess the problems, and discuss methods of repair of deteriorated terra cotta facades.

Date: Wednesday, February 17, 1999
Time: 5:30 pm Social
 6:00 pm Dinner
 7:00 pm Program
Place: Como Inn Restaurant
 546 N. Milwaukee Avenue
 Chicago, Illinois
Cost: \$25.00 Members
 \$15.00 Students
RSVP: Barb Pries at 312.263.1606
 by Friday, February 12, 1999

1999 National Engineers Week Future City Competition

WANTED: ENGINEER JUDGES

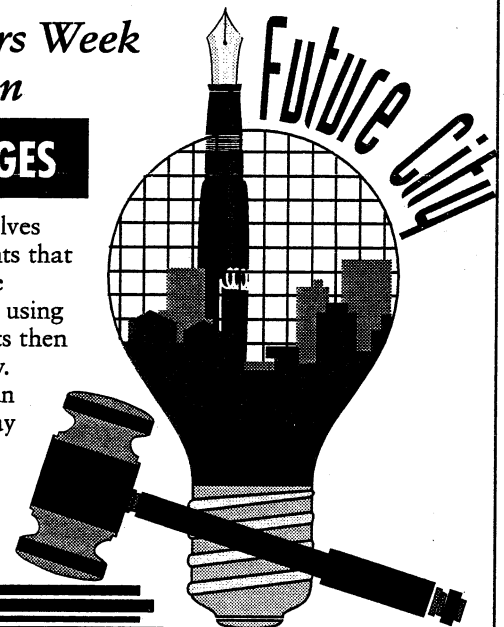
The Future Cities Competition involves teams of 7th and 8th grade students that design a "City of the Future". The students are required to design their city using the Sim City 2000 software. The students then build a scale model of a part of their city. The students are also required to write an abstract about their city and also an essay on an engineering topic. The winning team will compete in the National Competition in Washington D.C. during National Engineers Week in February.

Judges are needed to help with the regional competition being held in Chicago. The judges are asked to attend a judge training session and a pre-competition judging of posters and essays on the morning of Saturday, January 16, 1999. The judges are also asked to judge at the regional competition on Saturday, January 23, 1999 at the University of Illinois at Chicago. This day will involve judging the student's models and oral presentations of their City.

Please participate and encourage your co-workers to assist us. This is a rewarding experience for everyone involved. I NEED YOUR HELP!

Contact me if you are interested in becoming a judge:

Don Wittmer
 HNTB Corporation
 (312) 930-9119 (312) 930-9063 Fax
 email: dwittmer@hntb.com



National Engineers Week Student Competitions

(continued from page 1)

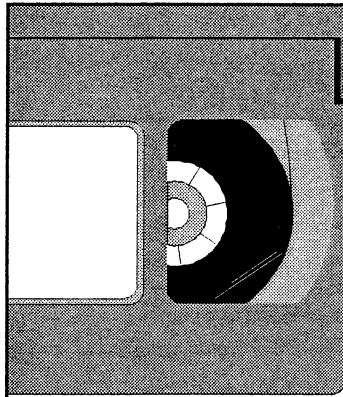
The MATHCOUNTS program is a nationwide combined effort of the education, business, government and technological communities to promote math excellence among junior high school students. The Chicago Chapter of ISPE implements the program for schools within our boundaries which number over 700. The winners from the Chicago competition will go to the state competition in Champaign on Saturday, March 28, 1999. Winners from state go to the National Competition in Washington D.C.

Over 155 schools and 600 students will be tested at the U.I.C. Circle Campus. Volunteers are needed to help with the judging on Saturday, February 13, 1999. Call Alan Gdalman at (312) 666-3535 or email at agatdjechi@aol.com to help out.

Please find the time to volunteer with one or all of these valuable competitions. Just remember, you can help shape the engineers of tomorrow.

— By Don Wittmer

Illinois Engineers Week



P.E. Review Course Videotape Program

The next P.E. examination will be April 23, 1999. Beginning in February, the ASCE Illinois Section - Younger Member Group (YMG) is offering an eight week Civil Engineering Exam Review Videotape Program. The program is a product of ASCE National's Continuing Education Services and consists of 23 hours of videotape filmed of an ASCE P.E. review class. The Younger Member Group has run

this class for the past five years.

Participants will meet Tuesdays from 5:30 p.m. to 9:00 p.m. in downtown Chicago. The program begins February 23, 1999 and ends April 13, 1999. The civil engineering subjects covered are: Exam Overview, Hydraulics and Hydrology, Structural Analysis and Design, Sanitary Engineering, Soils, Transportation, Surveying and Economics.

An experienced engineer presents each subject on videotape. The program includes a comprehensive reference manual with example problems. Volunteers from ASCE Illinois Section may be available to answer questions.

The \$200 cost includes the reference manual, dinner and soft drinks. If you are interested in the program, please register by faxing or e-mailing your name, address, company name, phone number and fax number to Ryan Issel at (312) 707-8804 or rissel@mbakercorp.com. Call Ryan at (312) 707-8770 for more information. The registration deadline is February 19, 1999.

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