



ASCE

ILLINOIS SECTION

NEWSLETTER

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ILLINOIS SECTION NEWSLETTER

Mailed to all ASCE-IS dues-paying members
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Illinois Section — Zone III — District 8

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**Submission deadline
for the September Newsletter
is August 11, 1997**

President and GOP Leaders Agree on Balanced Budget Plan

This article was originally published by ASCE National in the Washington Report on May 12, 1997

After several months of intense, closed-door negotiations, President Clinton and Republican congressional leaders reached a budget agreement on May 2 to eliminate the deficit by 2002 while also cutting taxes. The plan allows President Clinton to protect domestic spending initiatives for education, the environment and health care, and offers Republicans the chance to cut capital gains and estate taxes and give families a \$500-per-child tax credit. The GOP-favored capital gains and estate tax cuts would total roughly \$25 billion to \$30 billion over five years.

The final disputes over the tax cuts and the president's spending initiatives were finally put to rest when the Congressional Business Office (CBO) disclosed that it had underestimated the future growth of the economy. In doing so, it brought an extra \$225 billion to the bargaining table and allowed lawmakers on both sides to walk away with a victory of sorts. As Clinton stated, "everyone [can] find something he or she wishes in the budget." The sudden windfall of funds allowed the White House to sweeten the deal for some House Democrats who previously opposed the plan on the grounds that it would force deep cuts in already hard-hit social programs.

The budget agreement calls for net tax cuts of \$85 billion over five

years. The tax cuts would be offset by \$50 billion in revenue increases, including \$30 billion from the extension of the airline ticket tax. Under the five-year plan, the 10-percent passenger ticket tax and the other aviation excise taxes would be extended through FY 2002 after they expire on Sept. 30, 1997. Such a move would provide a stable source of funding for aviation programs like the Airport Improvement Program (AIP) which funds capital projects.

The accord would also provide \$70 billion in new non-defense discretionary spending for education, transportation, the environment and other domestic programs. A major portion of these funds — about \$35 billion — represents renewals of low-income housing assistance. The remaining \$35 billion would have to be divided among transportation, education and environmental programs.

While many details of the budget plan have yet to be fully released, a preliminary rundown shows an extra \$10 billion would be directed to highway and mass transit reauthorization programs. This translates into an annual increase of \$2 billion for Intermodal Surface Transportation Efficiency Act (ISTEA) programs, bringing total spending to \$185 billion over the next six years. The Administration originally requested \$175 billion for highway and transit programs in the reauthorization bill, with \$20 billion going to support annual highway spending.

The increase, however, is still far
(Continued on Page 4)

Minority Affairs Works to Promote Engineering

How did you decide to become an engineer? What people or events prompted you to consider engineering as a career? The Minority Affairs Committee would like to hear from you as it works to improve the way in which it promotes engineering among local minority students.

In past years, the Committee has limited its efforts primarily to sponsoring area high school students' participation in a summer engineering institute called "What is Engineering?" at the University of Notre Dame. This year, six area students will attend the program under the sponsorship of the Committee and the entire Illinois Section of ASCE. The "What is Engineering?" program provides students preparing for their senior year in high school with a hands-on introduction to both the field of engineering and life on a college campus. During the two-and-a-half week program, engineering faculty at Notre Dame introduce students to the works of engineers

through lectures, laboratory sessions, design contests and field trips. Highlights of the 1996 program included the paper airplane and beam design contests, and field trips to facilities operated by Bosch Braking Systems, Amoco Oil Company and Delco Electronics. In addition, the students have the opportunity to live in dormitories on a college campus and learn from experience of meeting, studying, and socializing with other students from around the country. Several past participants have commented that the program was extremely valuable to them as they entered their senior year and prepared to move on to college.

This year the Committee will also sponsor the Section's Third Annual Golf Outing as a means of raising the support required for the student sponsorships. The outing will be held on Thursday, Aug. 21 at the Gleneagles Country Club in Lemont. Space is limited to about 100 golfers,

so hurry and return your registration form (see enclosed flyer) to Barb Pries, Illinois Section Office, at (312) 263-1606

As in the past, the outing will feature a best-ball format and a shotgun start (7:30 a.m.) to allow all of the participants to start and finish their rounds at about the same time. The \$95 registration fee covers green fees and golf carts, coffee and rolls before tee-off, lunch and two hours of open bar following the round, and prizes for all participants. The Committee is also looking for firms or individuals to sponsor holes for the outing. For a \$125 contribution, sponsors will be recognized with a sign displayed at the tee of the hole sponsored, in the outing program, and at the awards luncheon. Please contact Joe Johnson at (312) 831-3821 for more information.

Through these activities, the Minority Affairs Committee hopes to bring a better understanding of
(Continued on Page 4)

M.S. in operations and technology management

A weekend degree program for managers in technology-intensive organizations

This graduate program is designed for experienced working professionals who require advanced management skills and an integrated business perspective in order to progress in their careers.

In 18 months of Saturday classes, you will learn how to:

- initiate change and innovation
- identify and solve problems
- effectively use technology
- lead teams of highly trained professionals
- sell your ideas
- improve operational effectiveness
- manage strategically
- become an entrepreneur

The OTM program is offered at the Great Lakes Naval Training Center in Lake County, Illinois. A new class begins every August.

For additional information, applications, or a schedule of Open Houses, contact the program director, Professor Joel Goldhar, 312-906-6526.

Courses offered include:

- *Information Technology in Business*
- *Probability and Statistics for Business Decisions*
- *Product Development and Management*
- *Project Management*
- *Logistics and Supply Chain Management*
- *Effective Leadership and the Management of Change*
- *Financial Management and Control*
- *Marketing and Innovation Management*
- *Economic Analysis and Business Planning*
- *Organizational Behavior and Design*
- *Managerial Accounting*
- *Strategic Management of the Total Enterprise*
- *Modeling and Simulation for Business Decisions*

Stuart School of Business
Illinois Institute of Technology

PRESIDENT'S NOTES

As you enjoy your summer I would like to remind you of a few ongoing activities of the Illinois Section. The first to bring to your attention is that our Third Annual Golf Outing is rapidly approaching and we need your support to make it a success. The proceeds from the outing are used to send minority high school students to a two week engineering camp at Notre Dame University. The Illinois Section normally sends six to ten students to this unique and special event. Participants of this summer's program will be at the golf outing; I encourage you to ask them about their experiences of the engineering camp and their plans for the future.

* * *

Lou Graef, President Elect of ASCE, was in Chicago recently to discuss his thoughts on the state and direction of ASCE, civil engineering education, and the practice of engineering. Mr. Graef reminded us that although there may be specialty groups and organizations of engineers representing individual disciplines, ASCE is the only national voice for all of civil engineering. All



civil engineers benefit from the technical research and development of ASCE, all civil engineers benefit from the legislative initiatives of ASCE, and all civil engineers benefit from ASCE programs to recognize, promote, and publicize the excellence of civil engineers.

Since residual benefits are being filtered to all civil engineers, it seems that ASCE members should work to bring non-members into the fold. I

encourage all members to recruit at least one new member this year. The strength in numbers from increased membership and participation would be tremendous both locally and nationally.

* * *

The Annual Dinner Meeting has become the Illinois Section's principal event to recognize the special achievements and extraordinary service of our membership. Nominations for the 1997 Awards Program are being accepted until Aug. 1, 1997 for individual, project, and group activities awards. There is no better way to recognize the outstanding work of a colleague, coworker, or client. Send your nomination in today!

* * *

I have received numerous letters, notes, and words of support for hosting the 2005 ASCE Annual Convention in Chicago. Our local convention committee appreciates the encouragement and is proceeding with the planning required to make the convention here a reality. We promise to keep you informed of developments as they occur.

Allen Staron

1997 Awards Program Call for Nominations

The American Society of Civil Engineers (ASCE), founded in 1852, is the oldest and one of the most prestigious national engineering societies in the United States. ASCE is dedicated to the advancement of the science and profession of engineering to enhance the welfare of mankind. The Illinois Section, in keeping with the objectives of the ASCE, is soliciting nominations for its 1997 Awards Program to be held October 1997. The Awards Program is held yearly to recognize local engineers and engineering firms who have been committed to the advancement of civil engineering and have contributed to a general improvement in the quality of life. Illinois Section Award recipients will represent the Section by becoming

candidates for the 1998 ASCE National Awards Program.

Nominations are being sought for the following awards:

- Outstanding Civil Engineering Achievement
- Civil Engineer of the Year
- Young Engineer of the Year
- Government Civil Engineer of the Year
- Young Government Civil Engineer of the Year
- Citizen Engineer Award
- Public Involvement Award
- Employer Recognition Program for Exemplary Support of Government Civil Engineers in ASCE Activities
- Employer Recognition Program for Exemplary Support of Private Civil Engineers in ASCE Activities
- Excellence in Journalism Award

Persons wishing to submit a nomination should contact the Awards Committee Chair, Mr. James Knudsen, at (630) 871-6220, FAX (630) 665-1064, for an application form. *Nomination forms must be submitted in order to be considered for any of the awards.* The nomination forms provide general guidelines for completing a successful application.

Nominations for all awards are due by **Aug. 1, 1997** and should be sent to:

Mr. James Knudsen
Village of Carol Stream
500 N. Gary Ave.
Carol Stream, IL 60188

President and GOP Leaders Agree on Budget Plan

(Continued from Page 1)

less than what many lawmakers have been seeking for this year's re-authorization bill. A majority of senators have endorsed a \$26 billion annual highway program which is \$6 billion about current funding. House Transportation and Infrastructure Chairman Bud Shuster (R-PA) recently called the spending levels for transportation "unacceptable" and warned that the situation needs to be resolved before any agreement is finalized.

In a letter to President Clinton, ASCE President Edward Groff criticized the administration's re-authorization plan for proposing essentially flat funding for ISTEA

programs, and recommended that Congress authorize a minimum of \$220 billion over the next six years in order to maintain current highway and bridge conditions.

On Medicare, the negotiators agreed to \$115 billion in savings over five years, allowing the trust fund to remain solvent of another 10 years. Under current economic assumptions, the fund is expected to run out of cash in 2001, but the new budget accord would postpone that date until 2008. Most of the \$115 billion in Medicare savings would come by limiting federal payments to hospitals and doctors, not by significantly raising premiums or eliminating services to seniors.

The current agreement is in many ways the easiest part of the budget process. What remains to be seen is whether Congress can actually succeed in passing the plan. Both the House and Senate must first pass individual versions of the deal as a budget resolution and then craft a House-Senate compromise budget which then must pass. If experience teaches us anything, it is that the devil is often in the details, and once a bill gets moving through the legislative process, anything is possible.

For more information, contact Elizabeth Clarke, Manager ASCE Legislative Affairs at 202 / 798-2200

Minority Affairs Works to Promote Engineering

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engineering to a few students from our area. However, there is much more that the Committee could do. Presently efforts are being made to improve coordination between ASCE Section committees and other groups involved in promoting engineering to

area students. As part of this process, The Minority Affairs Committee will be reviewing its goals and objectives and looking for new members with new ideas about how to reach out to minority students in our area. A key planning meeting is set for 5:15 p.m. on Wednesday,

Sept. 17 at the offices of Harza Engineering Company, Sears Tower, 10th Floor. Please plan to join us – and don't forget to bring the story of how and why you became an engineer.

By Joe Johnson
Minority Affairs Committee

Nominations for Honorary Member Being Accepted

The American Society of Civil Engineers is currently seeking nominations for Honorary Members. Nominations for the 1998 elections to the grade of Honorary Member will close on October 1, 1997. Six copies of the nomination form and supporting information must be submitted to ASCE by the deadline. A nomination form can be obtained from the Illinois Section Secretary, Richard Walther, by calling (847) 272-7400 or e-mail at rw@wje.com. The grade of Honorary Membership is a highly distinguished honor considering that only ten to twelve individuals are bestowed Honorary Membership annually. Since 1953, 460 society members have been elected to this distinguished grade of membership.

FEMA Position to Become Available

The Region V office of the Federal Emergency Management Agency (FEMA) in Chicago anticipates THAT an announcement will be made shortly for a position in Civil Engineering. The potential incumbent will serve in the Mitigation Division with responsibilities in technical support of the National Flood Insurance Program. This position will involve floodplain management activities including the oversight of contracts in hydrologic and hydraulic analysis.

The incumbent should have a Bachelors Degree (preferably a BSCE) and at least two years experience, or a Masters Degree. Salary ranges from \$26,000 to \$38,000, depending on experience. The position, when advertised, will be announced through the FEMA Field Personnel Operations Division in Emmitsburg, Maryland.

To obtain information on the status of this vacancy announcement or to obtain an Application for Federal Employment (SF-171), call (301) 447-1390. Or call Norbert Schwartz at the Chicago office at (312) 408-5552.

Nominating Committee Sets Section's Slate of Officers

The Nominating Committee of the Illinois Section met on April 24 and recommended the following slate of officers for 1997. The nominations were presented to the Illinois Section Board of Directors at the May Board meeting. The nominations were approved by the Board, and the slate will be installed as officers at the Annual Dinner Meeting in October, 1997.

President: Christopher B. Burke

Christopher Burke is a registered Professional Engineer in Illinois, Indiana, Wisconsin, and Ohio. He is president of Christopher B. Burke, Ltd., with offices in Rosemont and Peoria, Illinois, and in Indianapolis and Ft. Wayne, Indiana. Over the past 10 years, Dr. Burke has been involved in a number of professional societies, including ASCE, where he has served as a treasurer and a director of the Illinois Section, is a past chair of its Student Affairs Committee, and of the Urban Planning and Development Group, and is currently president-elect.

At the National ASCE level, he is a past chair of the Surface Water Committee - Irrigation and Drainage Division, and a control member of the ASCE Task Committee on the Urban Hydrology Chapter of the Hydrology Manual. He also services as a chair of the CECI Corps of Engineers Liaison Committee for both the Chicago and Rock Island Districts, and is currently a CECI board member.

Dr. Burke received the 1986 Young Civil Engineer of the Year Award from the ASCE Illinois Section, the Edmund Friedman Award from ASCE National, the Charles Ellet Award from the Western Society of Engineers, the Meritorious Services Award from the American Public Works Association, and the Civil Engineering Alumni Achievement Award from Purdue University.

President-Elect: Richard Walther

Richard Walther holds registrations as a Professional and Structural Engineer in Illinois and a Civil

Engineer in California. He is a graduate of Purdue University where he received his Bachelor and Master of Science Degrees in Civil Engineering. He is employed as a Senior Structural Engineer with Wiss, Janney, Elstner Associates, Inc., in Northbrook, Illinois. Mr. Walther started in ASCE as President of the Student Chapter at Purdue University. He has served the Illinois Section as Secretary, Director, Chair of the Structural Division, Chair of the Section Awards Committee, and Chair of the Structural Division's 1995 Lecture Series. He is the recipient of the Section's 1994 Young Civil Engineer Award and the 1995 ASCE Edmund Friedman Young Engineer Award for Professional Achievement.

Mr. Walther's professional experiences include instrumentation, testing, and evaluation of steel bridge structures, with a special emphasis on fatigue and fracture problems and nondestructive testing. He is currently serving as the Principal Investigator for the Federal Highway Administration's NDE Validation Center Project. His responsibilities in this project will include responsibility for developing and operating a world-class laboratory dedicated to the validation of nondestructive technologies with highway applications.

Treasurer: John V. O'Holleran

John O'Holleran will be completing the second year of a two-year term as Illinois Section Treasurer. He has over 23 years of experience in transportation and municipal engineering. This experience includes preparation of environmental documentation for transportation projects, locations studies, roadway design, traffic planning and design, airport design, stormwater design, and railroad and utility design.

Mr. O'Holleran is a vice president at HNTB, responsible for the management and administration of the Transportation, Structural and Construction Services departments. He holds a bachelor's degree in civil

engineering from the University of Illinois and is a registered Professional Engineer in Illinois and Wisconsin. Professional affiliations include ASCE, National Society of Professional Engineers, and the Consulting Engineering Council of Illinois.

Secretary: Chris Rops

Chris Rops is a registered Professional Engineer in Illinois and Kentucky, and is currently a project manager with HNTB Corporation. He holds a Bachelor of Science in Civil Engineering from the University of Iowa and a Masters in Business Administration from the Illinois Institute of Technology.

Mr. Rops has over 10 years experience in transportation engineering in areas such as expressway corridor planning and design, drainage studies, traffic analysis, feasibility studies, and public involvement. Projects include the Fox Valley Freeway Study, High Occupancy Vehicle Lanes on the Stevenson Expressway, I-355, Sears relocation to Hoffman Estates, and the Dan Ryan Expressway reconstruction.

Mr. Rops has served the Illinois Section as chair of the Younger Member Group, director, planner of the first and second annual gold outings. He was co-cordinator for the Future Cities competition in 1995 and 1996, a competition involving over 200 7th and 8th grade students from approximately 50 area schools. He has also been ASCE's liaison to Engineer's Week.

Director: Michael A. Trojian

Michael A. Trojian has served the Illinois Section for over five years in a variety of positions. He has worked with the Younger Member Forum since 1992 and has served as Vice-Chair and Chair of this group. In addition, he has helped the Section by serving as Chair of the Public Action Committee for the past two years. As Chair of this group, Michael has helped to create and maintain

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Slate of Officers

(Continued from Page 5)
the Section's first Web Page.

Michael is a licensed Professional Engineer in Illinois, and is a Project Engineer for Alfred Benesch & Company. In his position, he has been responsible for the geometric design for several highway design projects. Most recently, he led the design group for the reconstruction of Highland Avenue in Downers Grove, Illinois. He received his Bachelors of Science in Civil Engineering from Valparaiso University and is currently working towards his Master of Project Management at Northwestern University.

Director: Bob Ivanson

Bob Ivanson has been an ASCE member since 1972 and was chair of the Management Group in 1995. He is a professional engineer with 24 years of broad experience in civil and water resources engineering. Much of his 24 year career has been spent in the planning, analysis and design of water resources projects and associated works such as dams, spillways, hydroelectric generating stations, pumping plants, tunnels, storage reservoirs, canals, pipelines, water supply, stormwater and sewage collection systems, and performing environmental and geotechnical studies in support of those facilities. In the last 5 years, he has added coastal engineering to his area of expertise with the analysis of hurricane storm surge impacts on Florida's coast and highway system, and the analysis and design of harbors and shore protection works in the Great Lakes.

Bob presently directs water resources and coastal engineering services for Teng & Associates, Inc. These services include watershed and stormwater management, surface and groundwater hydrology and hydraulics, studies in support of wetland protection and remediation, FEMA floodway delineation, bridge scour evaluation, design and evaluation of raw and untreated water facilities, dam and hydroelectric project design and rehabilitation, harbor and breakwater analysis and design, and coastal

erosion and sediment transport studies and protection works design. His previous experience has been with consulting engineers, having been employed by Teng & Associates, Inc., Harza Engineering Company, Brown and Root, Inc., and Collins Engineers.

Director: Monica S. Krepfl

Monica A. Krepfl is a registered Professional Engineer and has served as an Engineering Manager for the U.S. Army Corps of Engineers, Chicago District, since 1994. Ms. Krepfl is a graduate of the Ohio State University, where she earned both her Bachelor of Science and Master of Science in Civil Engineering. Prior to joining the Corps, Ms. Krepfl worked as a geotechnical engineer at STS Consultants, Ltd. in Deerfield, Illinois, for 5-1/2 years. In her current position, Ms. Krepfl is responsible for design, review, contract procurement and engineering support during construction for a variety of construction projects including lock repairs, a submerged reef breakwater, existing breakwater repairs, harbor dredging, and shoreline protection. Earlier this year, Ms. Krepfl completed a special assignment as an instructor for the Corps' conversion to a new financial management system. Ms. Krepfl is a past treasurer, vice chair and chair of the ASCE Illinois Section Geotechnical Group.

P.E. Exam Review Course on Videotape

The next P.E. examination will be Oct. 31, 1997. Beginning in September, 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.

Participants will meet Wednesdays from 5:30 p.m. to 9:00 p.m. in downtown Chicago. The program begins Sept. 3, 1997 and ends Oct. 22, 1997. The civil engineering subjects covered are: Exam Overview, Hydraulics and Hydrology, Structural Analysis and Design, Sanitary Engineering, Soils, Transportation, Surveying and Economics.

Each subject is presented on video tape by an experienced engineer. The program includes a comprehensive reference manual with example problems. Volunteers from ASCE Illinois Section may be available to answer questions.

The \$175 cost includes the reference manual, dinner and soft drinks. If you are interested in the program, please register by faxing your name, address, company name, phone number and fax number to Don Wittmer at (312) 930-9063. Call Don at (312) 930-9119 for more information. The registration deadline is Aug. 29, 1997.

CIVIL ENGINEERS

Alfred Benesch and Company, a leading consulting engineering firm in the Midwest, is seeking licensed engineers with a minimum of 10 years of experience to manage large highway and water resource projects. Send resume to:

Human Resource Dept. #JLC
Alfred Benesch and Company
205 N. Michigan Ave., Suite 2400
Chicago, IL 60601

An Equal Opportunity Employer

ILLINOIS SECTION NEWS & SECRETARY'S REPORT

In an effort to better inform ASCE Illinois Section Members of recently completed, on-going or upcoming Illinois Section activities, the Section Secretary will be contributing a monthly article to the newsletter entitled "Illinois Section News and Secretary's Report".

The Illinois Section is comprised of six technical groups, including the Geotechnical Group, Structural Group, Environmental Engineering & Water Resources Group, Urban Planning & Development Group, Transportation Group and Management Group, and the Younger Member Group. These groups have traditionally used the Section newsletter to keep Members informed of their activities. Many Members may not realize that beyond the Groups, the Section operates approximately a dozen Committees which contribute substantially to the success of the Section. Their activities are not as well publicized as the Groups, and hence this column was developed to keep you better informed of their activities.

At the Board Meeting held May 5, 1997, the following Committees submitted reports.

Newsletter: Members who have not paid their local section dues are delinquent and in jeopardy of losing their subscription to the Illinois Section News. Please contact Barb Pries, Section Office, at 312-263-1606 to reinstate your Illinois Section Membership

Committee for Public Action: The Committee for Public Action has developed and is currently maintaining a Illinois Section Home Page on the World Wide Web (address: <http://www.mcs.net/~isasce/>). The committee is seeking volunteers knowledgeable in home page maintenance and programing. Interested individuals should contact Committee Chair Mike Trojian at (312) 565-0450 or via e-mail at trojianm@benesch.com.

Student Affairs Committee: Messrs. Cleighton Smith, Chuck Stenzel and Scott Czaplicki attended a Career Fair at Harper College on April 8, 1997. ASCE materials were distributed and volunteers participated

in panel discussions about civil engineering. The fair was a successful experience and the Committee will seek to participate in other similar events. Individuals interested in participating in career fair activities should contact Committee Chair Cleighton Smith at (847) 823-0520.

The following students were selected by their faculty advisors as the outstanding undergraduate students at the three local member universities:

Mr. Steven Koontz
University of Illinois at Chicago

Mr. Mark Bendok
University of Illinois at Chicago

Mr. Benjamin R. Corotis
Northwestern University

Mr. Todd A. Wildermuth
Northwestern University

Ms. Jan Gordon
Illinois Institute of Technology

Minority Affairs Committee: The Minority Affairs Committee is currently proceeding with preparations for its two major activities this year, the Summer Engineering Institute for minority high school students at the University of Notre Dame and the Third Annual Section Golf Outing. The golf outing is expected to serve as the primary source of funding for the summer institute scholarships offered by the Committee. Scholarships are used to cover tuition, room and board, and transportation costs for qualified minority students attending the three week long institute. Members interested in contributing to this Committee as a Volunteer or through financial contributions should contact Committee Chair Joe Johnson at (312) 831-3821.

The next Board of Directors Meeting will be August 4, 1997. Board Meetings are held in the 3rd Floor Conference room of Knight Architects Engineers Planners, 549 W. Randolph St., Chicago, Illinois. Meetings start at 5:30 pm and end approximately at 6:45 pm. Visitors are welcome.

HEC-1 INTEREST SURVEY

EE&WR Group is thinking of offering an HEC-1 short course. If you are intersted, please call David Moughton at (312) 353-6400 x3115

Dr. Sidney Guralnick Receives Lifetime Achievement Award

Editor's Note: We apologize for the omission of a major portion of this article in the May/June Newsletter, and reprint it here in full as many have requested.

The ASCE Illinois Section Structural Group is proud to announce that Dr. Sidney A. Guralnick, S.E., was the ninth recipient of its Lifetime Achievement Award. Dr. Guralnick was presented with this Award and honored by his family and friends on Tuesday, May 20, 1997 at the Como Inn in Chicago.

Dr. Guralnick has a long and distinguished career in academics, research and consulting. For the past 39 years he has held various positions at the Illinois Institute of Technology, including Professor of Civil Engineering, Dean of the Graduate School, Executive Vice President and Provost, Member of the IIT Board of Trustees, and is currently the IIT Perlstein Distinguished Professor of Engineering and Director of the Advanced Building Materials and Systems Center. Dr. Guralnick's research interests include reinforced concrete, structural instability, and limit states design.

Professor Guralnick has made significant contributions to structural engineering as an educator. He has taught every undergraduate course in IIT's structural engineering curriculum, as well as five different graduate level classes. At the conclusion of every course, Dr. Guralnick's student evaluation ratings were the highest ever achieved by any faculty member for the course. In a number of instances, his students gave him a perfect 5.0 out of possible 5.0 scores. Based on student nominations, oral presentations and written recommendations, Professor Guralnick received the 1989 Armour College of Engineering Excellence in Teaching Award and the All-University Excellence in Teaching Award for 1989 as well.

Commencing in 1975, Professor Guralnick developed and implemented an innovative program to significantly increase the number of minority students enrolled in IIT's engineering programs. The program

identified talented and motivated students who completed their sophomore year of high school and brought significant numbers of these students to IIT for enriched instruction in mathematics, science and English during their final two years of high school and during the summer prior to beginning college. The program was extremely successful and won a 1980 award from the Academy of Educational Development that was chaired by former President of the United States, Gerald Ford.

The very first paper that Professor Guralnick wrote after receiving his doctorate from Cornell University, "Strength of Reinforced Concrete Beams," published in the 1960 ASCE Transactions, was awarded the Collingwood Prize for Research of the ASCE. This paper was the first to demonstrate the independence that tensile strength plays in the shear strength of reinforced concrete beams. Professor Guralnick's approach, together with the "truss analogy" also mentioned in the paper, is becoming the method of choice for the design of reinforced concrete beams as well as for the teaching of reinforced concrete design methodology.

During recent years, Professor Guralnick has made an important and original contribution to the profession's understanding of incremental collapse of framed structures and limit states design. He developed a completely new method of analysis based on energy principles to determine the complete collapse envelope for multi-bay multi-story structures subjected to any arbitrary pattern of cyclically varying loads. Before Professor Guralnick developed his analysis method, solutions using traditional methods were basically unattainable for all but the simplest of structures. Professor Guralnick's first paper on this subject was published by the International Association for Bridge and Structural Engineers of Zurich, Switzerland in 1975. He has devoted the past twenty-three years of refining his method to the point where it has been reduced to practice

and to the classroom instruction. He has shown the ways in which the phenomena of alternating plasticity, incremental collapse, collapse, shakedown and plastic collapse are related to each other. Prior to his path-breaking work, it was believed that these four phenomena were largely independent of one another.

Professor Guralnick has participated for many years on various national committees of the American Society for Civil Engineers and the American Concrete Institute and has published numerous journal articles and conference papers. On a local level, he is an active member of the Structural Engineers Association of Illinois, and served SEA0I as president in 1995. He was given SEA0I's John F. Parmer Award in 1995 in recognition of his many contributions to structural engineering in general and to the SEA0I in particular. In addition to his teaching and research responsibilities, Dr. Guralnick chaired or served on numerous IIT committees and Commissions.

Dr. Guralnick has dedicated his professional life to educating structural engineers and increasing the profession's understanding of structural behavior.

News Brief

All Routes Lead to Chicago

The Association for Commuter Transportation, Lake Michigan Chapter, is hosting its International Conference later this summer. Eight Topic Tracks focus on global mobility issues, Transportation Demand Management (TDM) developments, and innovative TDM programs.

Date: September 7-10, 1997

Place: Chicago Hyatt Hotel

Info: ACT National Headquarters
1518 K Street NW. #503
Washington, DC 20005

Call: (202) 393-3497

Fax: (202) 638-4833

IMPROVING HYDROGEOLOGIC INVESTIGATIONS

Part I: Site Geologic Characterization in Glaciated Areas

MIDWEST
GEOSCIENCES
GROUP
PROMOTING GEOLOGICAL SCIENCE
THROUGH CONTINUING EDUCATION

Indianapolis, Indiana
Indiana Univ. - Purdue Univ.
Friday, October 24, 1997
8:00 am to 5:00 pm

Oak Brook, Illinois
Embassy Suites Hotel
Friday, November 14, 1997
8:00 am to 5:00 pm

Milwaukee, Wisconsin
University of Wisconsin, Milwaukee
Saturday, November 15, 1997
8:00 am to 5:00 pm

8:00am Introduction

8:15am Developing Field Recognition of Glacial Depositional Environments and Weathering Zones

9:50am Break

10:00am Improving Descriptions of Glacial Sediments - Adding Geologic Emphasis to the USCS

11:00am Application of Surface and Downhole Geophysical Methods for Site Characterization w/problem set

12:00N Lunch

1:00pm Designing a Drilling Program - information and cost benefit analysis with examples

2:00pm Hydrogeologic Application of Glacial Stratigraphy with case studies and a problem set

2:45pm Break

Indianapolis Only

3:00pm Application of the USDA Textural Diagram

4:00pm IDEM Unconsolidated Deposit Descriptive Requirements: A Goal Oriented Approach for Describing Unconsolidated Deposits as Applied to Hydrogeologic Investigations

Oak Brook Only

3:00pm From Field Investigation to Ground Water Modeling, Building the Hydrostratigraphic Framework

4:00pm Glacial Stratigraphy of Illinois

Milwaukee Only

3:00pm From Field Investigation to Ground Water Modeling, Building the Hydrostratigraphic Framework

4:00pm Glacial Stratigraphy of Wisconsin

Tim Kemmis, PhD
Rust Environment & Infrastructure

E. Art Bettis III, PhD
Iowa Department of Natural Resources
Geological Survey Bureau

Dan Kelleher, MS
Rust Environment & Infrastructure

Phil Carpenter, PhD
Northern Illinois University

Tom Oothoudt, MS
Boart Longyear Company

Alan Kehew, PhD
Western Michigan University

Robert Hall, PhD
Indiana U. - Purdue U. at Indianapolis

Robert Martin, MS
Indiana Department of Environmental Management

Noel Anderson, PhD in progress
University of Wisconsin, Madison

Ken Bradbury, PhD
Wisconsin Geological & Natural History Survey
University of Wisconsin Extension

Ardith Hansel, PhD
Illinois State Geological Survey

Ken Bradbury, PhD
Wisconsin Geological & Natural History Survey
University of Wisconsin Extension

Dave Mickelson, PhD
University of Wisconsin, Madison

Bring your
Munsell Soil
Color Chart
and calculator

CEUs = 0.75

CUT HERE

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail _____

Location: (check one)

- IUPUI, Indianapolis, IN - Friday, October 24
- Embassy Suites, Oak Brook, IL - Friday, November 14
- U of W, Milwaukee, WI - Saturday, November 15

For Student registration:

I certify I am enrolled full-time in a university or college:

Signature _____ University/College _____ Date _____

Cost:	<u>Professional</u>	\$240
	Early Registration*	\$195
	ASCE Discounted Rate	\$160
	<u>Student</u>	\$95
	Early Registration*	\$80
	Amount Enclosed:	_____

Return this completed form with payment to:

The Midwest GeoSciences Group
Suite 137-137
931 West 75th Street
Naperville, Illinois 60564

* For Early Registration, payment must be received before October 20, 1997. ASCE Discount Available only for Early Registration Period.

Make check payable to the Midwest GeoSciences Group. Cancellations may be made up to one week before the course, however, 15% of the course will be charged. No refunds.

SECTION ACTIVITIES

EE&WR Group

The EE&WR Group meets on the second Tuesday of every month. The next meetings are:

Date: July 8 and Aug. 12, 1997

Time: 5:30 p.m.

Place: Lobby Conference Room
111 N. Canal St., Chicago

Info: David Moughton at (312)
353-6400 x3115

Geotechnical Group

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

Time: 5:30 p.m. Social
6:30 p.m. Dinner
7:00 p.m. Presentations

Place: Como Inn
546 N. Milwaukee, Chicago

Cost: \$25 with reservations;
\$30 at the door;
\$10 for students with
reservations; and
\$15 for faculty with
reservations

RSVP: Ms. Pat Moser at (630)
717-4263 by noon on the
Thursday preceding the
meeting.

August Field Trip and September Meeting

These events are being planned. The September meeting will be held on the Second Tuesday in September (the 9th) at the Como Inn.

Management Group

The administrative committee of the gold MGT Group will meet during the summer to plan future activities. New members are especially encouraged to attend. For information, contact Karen Steingraber at (312) 467-0123 or Mark Schultz at (312) 782-8150.

Administration Meetings

Dates: Thursday, July 24, 1997
Thursday, August 21, 1997

Time: 5:15 p.m.

Place: Collins Engineers, Inc.
211 W. Wacker Dr., 8th Fl.
Chicago, IL

Management Interest Sectors are:

Education – Mentoring with pre-college student programs; facilitating continuing education.

Professional Activities – Continuing education efforts and ASCE awards participation.

Program – *Management Express Luncheon* – Co-sponsor with other ASCE Groups and affiliates.

Construction – A program and seminar topical resource.

Energy – A power resource; help with American Power Conference and Emerging Energy Systems.

Marketing – Communications, publications and recruitment. The Group is prepared to help associate or affiliate members of ASCE upgrade to regular member status. Contact Bob Camillone at (708) 349-2790.

Structural Group

The Structural Group has had several informative dinner meetings over the past year. In addition, the Lecture Series provided a wealth of insight into current structural engineering topics. We thank all speakers for their efforts in preparing and presenting talks. We also appreciate the positive responses received from attendees to these activities.

The Structural Group is currently seeking individuals interested in serving on the executive committee. For more information, please contact John F. Vincent at (847) 965-7500.

September Dinner Meeting

The Michigan Avenue Viaduct Reconstruction Project will be presented at the September dinner meeting. See the September 1997 edition of the *Newsletter*

UP&D Group

Group Meetings

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, consult-

ing, and other disciplines. Please contact Dan Lynch at (847) 823-0500.

Group meetings are held every third Thursday of the month. The back room at Denny's Restaurant has been reserved for the Group. Next meeting:

Date: July 17, 1997

Time: 7:30 a.m.

Place: Denny's Restaurant
Oakbrook Terrace

Transportation Group

The Transportation Group enjoyed an excellent year presenting many outstanding speakers and topics matched by fine interest and attendance from the Chicago area engineering community. Program will resume in September, so watch this *Newsletter* and your fax for announcements of upcoming events. Also, contact the following if you have any questions or suggestions for future topics.

Dean Kiesling: (312) 946-7121

Fax (312) 946-7199

Bob Giurato: (847) 364-8800

Fax (847) 364-8818

Younger Member Group

July Canoe Outing

Date: Saturday, July 12, 1997

Time: 11:00 a.m.

Place: Lower Fox River
Near Wedron, IL
North of Ottawa & I-80
(Directions will be given
when you register)

RSVP: Steve Capito at (630)
245-4377 by July 7th

Cost: \$34.00 / Canoe

Don't miss the return engagement of "Tippee Canoe".

August Baseball Outing

Date: Sunday, August 24, 1997

Time: 2:00 p.m.

Place: Kane County Cougars
Stadium, Geneva, IL

RSVP: Don Wittmer at (312)
930-9119 by August 16th

Cost: \$10 (20 tickets available)

Come out and say hi to "Ozzie the Cougar."

Upcoming scheduled events:

The YMG Planning Meeting for next year will take place in September. Look for more info in the next *Newsletter*.