

ASCE

American Society
of Civil Engineers



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News

Vol. 39, No. 9
September 1998

Storm Water Runoff Regulations to Become Both Broader in Application and More Specific in Erosion Control Requirements

Storm water runoff regulations provide criteria for controlling the rate at which runoff exits a given development area. Runoff that exits at a higher rate than the allowable release rate may contribute to flooding elsewhere. These regulations are also concerned with the quality of runoff exiting a development site. The quality of storm water can be negatively impacted by excessive sediment and pollutant loads. Such storm water regulations, as part of zoning ordinances and/or comprehensive plans, did not inspire much popular support until the mid 1960's, when communities such as Oak Brook came into fruition according to plan. Only then did the flooding problem due to development see great benefit in this type of law enforcement, and only since then has support grown for this type of regulation. With that support, regulation has since become more strict and more technically based.

These regulations are typically enforced in two instances:

1. When a property owner wants a permit to develop a piece of vacant or agricultural property.
2. When a property owner wants a permit to redevelop a piece of property that was developed previously.

This approach may not necessarily reduce or eliminate existing flooding problems. This is because runoff from vacant land and sites developed before these regulations came into effect (and not redeveloped since) has, in general, remained free from these regulations. The result today is an array of detention basins scattered throughout the region which

are considered to be causing a reduction in flood levels. But storm water runoff from older developments not provided with any detention basins downstream or provided with undersized (by present regulations) detention basins continue to contribute to flooding.

On a larger scale, excessive runoff in one municipality may contribute to flooding within municipalities downstream. Then both municipalities' flood volumes result in still larger flood volumes. To avoid this domino effect, it is necessary for each municipality to hold itself to the allowable release rate now required of individuals developing and redeveloping property. This will require a comprehensive storm water study of each municipality that begins by defining the areas that are served by detention basins, and to what standard. The resulting recommendation after any such study would likely be an increase in storm water storage volume distributed throughout the region.

The broader, more regional application of storm water regulations has begun to be addressed in the last five or six years by the advent of countywide storm water ordinances in Lake and DuPage Counties. Other counties, including Kane County, are now developing countywide ordinances also. The application of these ordinances over countywide areas will, in time, provide for the control of an increasing percentage of the region's runoff.

The design of sedimentation and soil erosion control measures are increasingly being required and scrutinized for site development

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Storm Water Runoff Regulations to Become Both Broader in Application and More Specific in Erosion Control Requirements

(continued from page 1)

construction projects. The wide variety of design guides, including the recent Illinois Urban Manual and the ever-changing permit requirements, such as IEPA's ILR10 and NPDES storm water permit effective June 1, 1998, require engineers to keep abreast of these developments and requirements.

Agencies such as the Corps of Engineers are also requiring more attention to soil erosion control by requiring project reviews by local soil and water conservation districts prior to serving permits.

To assist engineers, municipalities, developers and contractors to keep up with current sedimentation and soil erosion control requirements, the Illinois Section Urban Planning and Development group is hosting a seminar to be held on October 21, 1998. The seminar will start at 8:00 a.m. at the

Schaumburg Prairie Center for the Arts. Please join us to hear speakers from the USDA, Natural Resource Conservation Service, IEPA, and the Village of Schaumburg. The topics will include the use of the Illinois Urban Manual, NPDES storm water discharge permits, and do's and don'ts of soil erosion control construction practices.

Please call Chuck Graber at 630-894-5950 for more information regarding seminar registration.

Submitted by Illinois Section Urban Planning and Development Group

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 at left.

Meeting Reports

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 Geotechnical Group announced they are still soliciting scholarship candidates.
- ▲ The Structural Group is continuing planning for the 1999 Structural Lecture Series with sessions in March and April.
- ▲ The EEW&R Group announced they are planning several hydraulic computer modeling courses in the Fall 1998 which will include HEC-HMS and FEQ.
- ▲ The Younger Member Group reminded Board members of the August 18 Cubs outing and encouraged all section members to attend.
- ▲ The Urban Planning Group will sponsor an erosion control seminar and career day in October.

- Newsletter Editor Kendall is seeking interested persons to fill the editor and assistant editor positions.
- Membership Committee Chair Lange announced a community involvement project to get involved in our community and raise the awareness of civil engineers. The project is run by Catholic Charities and is called Community Paint-A-Thon. Chair Lange explained that the program involves one weekend of preparation work and the second weekend is painting. The dates are September 5 and 12. Contact Chair Lange at (847) 696-4060 if interested.
- The next Illinois Section Board Meeting will be held August 31 at the Lester B. Knight offices in downtown Chicago at 5:30 p.m. Section members are encouraged to attend.

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 Sept. Newsletter is Sept. 11, 1998

President's Notes

Christopher Burke

A newsletter I opened this morning has a headline "It doesn't get any better than this!". It obviously isn't referencing the progress of our major league baseball teams or the Bear's preseason games. The company was espousing the recent activity in the real estate market which has also benefitted many civil engineers.

The strong national and regional economy means that many of us are busy with the design of buildings, site improvements and the associated infrastructure. Finding staff to keep up with the current workload is a problem I hear from many in our profession. Graduating civil engineers are getting several offers and finding starting salaries rapidly rising compared to only a couple of years ago.

Compounding the recruiting challenge is a reduced number of 18 year olds and fewer college students selecting civil engineering as a major. Enrollments at major universities showed slight reductions last year and department heads are anticipating further declines this year. In the short term, absent an economic disaster, the demand for new graduates will exceed the supply for civil and most other engineering disciplines. For years, the Section Board has discussed ways of increasing the exposure of the civil engineering profession to elementary and high school students.

ASCE and other engineering professional organizations have developed and participated in programs such as MATH COUNTS, SIMCITY and other activities focused on encouraging engineering as a profession. The programs are well established and I believe provide positive information to young men and women. The volunteers for these programs traditionally come from the region's larger engineering firms who have allocated their resources for these important activities. Those of us who recognize both the long and short term shortage of civil



engineers must not throw away flyers requesting engineers to volunteer their time at career fairs and other activities where potential engineers will be present. We need to become active at the college, high school and grade schools promoting civil engineering as a career to the top students. We cannot delegate that responsibility to others.

Even with moderate engineering economic growth, the future for civil engineering is great and unlike the real estate prognosticators, I believe it can get even better. However, we must rely on new high quality graduates to satisfy the ever increasing demand. The public and private sector employers of civil engineers must become more active in informing students of the many benefits of our profession.

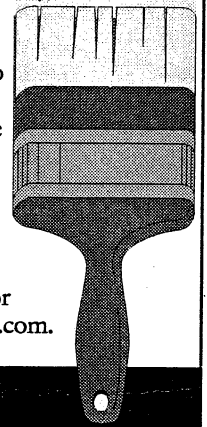
Community Paint-A-Thon

Recently, ASCE President-Elect, Mr. Dan Turner, spoke to your Illinois Section Officers & Directors on the importance of getting involved in your community. Well, now is your chance!

The Community Paint-A-Thon is a collaborative effort of area senior-citizen organizations, local townships and Catholic Charities. For the past 10 years, it has sent volunteers into the northwest suburbs to spruce up qualified seniors' homes.

The 11th annual Community Paint-A-Thon will take place Saturday, September 5, and Saturday, September 12.

The time usually needed is only 8 am to 12 pm on both days. If you can help on one or both of these mornings, please contact Karen Daulton Lange at: Day - 847/696-4060; Eve - 847/382-4221; or e-mail at kdlange@aol.com.



**Don't Delay..
Call now to help your
neighbor and ASCE!!!**

Why Understanding Mediation Is Important to Engineers

by Paul M. Lurie and Timothy Sullivan

Mediation is the most significant tool for avoiding the cost and uncertainty of both litigation and arbitration. It is a non-binding process whose outcome is controlled not by the attorneys, but by the clients. The popularity of mediation is evidenced by its inclusion in the 1997 AIA contract documents as mandatory before litigation or arbitration can begin.

Mediation introduces a neutral facilitator into a structured settlement conference. The neutral, after receiving the views of the parties as to the nature of the dispute, designs a process to facilitate the parties' understanding of the

strengths and weaknesses of their positions and those of their adversaries. That process may take many different forms, depending on the amount of information which has already been exchanged and the internal dynamics of the organizations which are stakeholders in the dispute. The skills of a good mediator are significantly different from those of a judge or arbitrator.

It is common for the initial several hours of mediation to involve a public presentation by the parties of the strengths of their positions. However, after this initial public session, it is nor-

(continued on page 6)

Section Activities

Environmental Engineering & Water Resources Group

FEQ Short Course

This intensive 4-day short course will introduce the latest techniques in the analysis of steady and unsteady open channel flow and includes both lecture and hands-on computer laboratory sessions.

Date: October 20-23, 1998

Fee: \$725

Contact: Eric Loucks
(312) 474-4309
loucksed@cdm.com

Audrey Ishii
(217) 344-0037 x3026
alishii@usgs.gov

Hydrogeologic Site Characterization Short Course

Characterizing glaciated sites to define groundwater movement can be one of the most difficult challenges a geologist in the Midwest faces. This 2-day short course and series of field workshops presents advances in characterizing ground water movement through the glacial sequence and practical techniques for characterizing the sequence. This course was designed for ground water scientists and engineers, project managers, compliance program managers in the consulting, public, and regulatory sectors.

Date: October 1-2, 1998

Place: Fermi National
Accelerator Laboratory
Batavia, IL

Fee: \$599
\$499 (ASCE Discount before
9/18/98)
\$350 (Student)
\$299 (Student Discount before
9/18/98)

Contact: Dan Kelleher
(630) 574-3941

Sponsor: Midwest GeoSciences Group
Suite 137-137
931 West 75th Street
Naperville, IL 60564
midwestgeosciencesgroup@
juno.com

Next Meeting

The Executive Committee of EE & WR meets the second Tuesday of every month. If you would like to be active in planning activities or have suggestions for activities related to environmental or water resources engineering and would like more information contact Mike Morgan.

Our next scheduled meeting is:

Date: September 8, 1998

Time: 5:30 p.m.

Place: Rust E & I
3121 Butterfield Road
Oak Brook

Info: Mike Morgan
(630) 574-3326
mike_morgan@ccmail.
rustei.com

Structural & Transportation Group Joint Session

Illinois Department of Transportation and Transportation Equity Act (TEA-21) by Ms. Linda M. Wheeler Director of Planning and Programming, IDOT

The Structural and Transportation Group is co-sponsoring a presentation by Ms. Linda Wheeler, Director of Planning and Programming for the Illinois Department of Transportation. Director Wheeler will give an overview of IDOT's upcoming Highway and Transit Projects, different sources and distribution of funds and methods of allocations used by IDOT.

The Transportation Equity Act for the 21st Century (TEA-21) was passed by Congress in May 1998 and President Clinton signed the landmark "TEA-21" on June 9, 1998. Director Wheeler will describe IDOT's financial position and allocation of the funds.

Date: Wednesday, Sept. 16, 1998

Time: 5:30 pm Social
6:00 pm Dinner
7:00 pm Presentation

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

Cost: \$25.00/Students \$15.00

RSVP: Barb Pries at (312) 263-1606,
by Friday, Sept. 11, 1998

Younger Member Group

September Planning Meeting

It is once again time to plan for next year's meetings and activities. If you have been thinking about getting involved with the Younger Member Group, now is the ideal time. We need to get everyone's input to help make next year's events just as successful as this year. Please call Ryan Issel by September 16 if you can attend. If you can't attend but have ideas, please let him know. Your help and effort during the planning process will greatly impact the quality of our upcoming programs!

Date: Thursday, September 17, 1998

Time: 5:30 p.m. Pizza provided

Place: Baker Engineering, Inc.
118 S. Clinton St.
Chicago

RSVP: Call Ryan Issel at
(312) 707-8770 or
e-mail: rissel@mbakercorp.com

Geotechnical Group

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

Time: 5:30 p.m. Social
6:30 p.m. Dinner
7:30 p.m. Presentation

Place: Como Inn
546 North Milwaukee Avenue
Chicago, IL

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

RSVP: Barb Pries at (312) 263-1606
by Friday, September 11, 1998

The Midwest GeoSciences Group presents...

MIDWEST
GEOSCIENCES
GROUP

IMPROVING ADVANCES IN CHARACTERIZING HYDROGEOLOGIC GROUND WATER MOVEMENT INVESTIGATIONS THROUGH GLACIAL SEQUENCES

at
Fermi National Accelerator Laboratory
Batavia, Illinois

Thursday, October 1, 1998
and Friday, October 2, 1998
8:00 am to 6:00 pm each day

...a 2-day Short Course with Field Workshops!!!

Short Course Sessions

Day 1

Silty-Clay Till: The Bane for Ground Water Hydrologists
by Scott Bair, PhD, PG, Ohio State University

Improving Slug Testing Field and Data Analysis Techniques
by Jim Butler, PhD, PG, Kansas Geological Survey

Theory Meets Practice: Ground Water Flow in a
Succession of Fine-Grained Glacial Deposits
by Paul Kesich, PG, Fermilab

Unraveling the Complexity of Glacial Successions
by Tim Kemmis, PhD, PG, Rust

Followed by Field Workshops

Day 2

Solute Movement Through Glacial Deposits
by CW Fetter, PhD, PG, Fetter and Associates

Practical Techniques for Characterizing Complex
Glacial Successions
by Joan Underwood, PG, CGWP, CPG, PHG, Rust

Methods for Differentiating and Describing
Subglacial Till Units
by Dan Kelleher, PG, Rust

Followed by Field Workshops

Course Description

Characterizing glaciated sites can be one of the most difficult challenges a geologist in the Midwest faces. Glacial sequences deposited by multiple glacial advances can be extremely difficult to characterize and understand. This short course and series of field workshops presents advances in characterizing ground water movement through the glacial sequence and practical techniques for characterizing the sequence. The field workshops include a demonstration of Rotasonic drilling, sampling and well installation, optimizing slug test field methods, and a close look at the Fermilab glacial sequence that includes deposits from 4 successive glacial advances across the site. Workshop participants will have the opportunity to describe the deposits and learn the principals for recognizing and differentiating deposits from multiple glacial advances. Short Course sessions include segments on understanding ground water flow and solute movement in fine-grained deposits, improving in situ hydraulic conductivity determinations using slug tests, and practical techniques for characterizing ground water movement through complex glacial successions.

Field Workshops

Day 1 & 2

- 1) Rotary-Sonic (Rotasonic) Drilling,
Sampling & Piezometer Installations
(Two Borings 70+ feet deep!)
by Ron Thallacker, Boart Longyear
- 2) Optimization of Slug Test Field Techniques
(Hands-On Testing and Analysis)
*by Jim Butler PhD, PG, &
John Healey, PhD, PG,
Kansas Geological Survey*
- 3) Improving Stratigraphic Concepts
and Sediment Descriptions
*by Brandon Curry, PhD, PG,
Illinois State Geological Survey &
Steve Brown, PG,
Indiana Geological Survey*
- 4) The Fermilab Succession: The Significance of
Glacial Stratigraphy on Ground Water Flow
*by Paul Kesich, PG, Fermilab &
Tim Kemmis, PhD, PG, Rust*
- 5) Better Grout Selection and Preparation
by Jerry Mason, Barroid Corporation

1.6 CEUS
CONTINUING EDUCATION UNITS
FROM NORTHERN ILLINOIS UNIVERSITY

SEE REVERSE FOR REGISTRATION DETAILS

Registration

Advance registration is necessary for participation in limited-enrollment short courses. Pre-registration is required to reserve space and receive course materials.

A waiver must be signed before participating during the field workshops. Visitors will be not permitted to observe field workshops.

If you require special arrangements for diet, equipment, or handicap facilities, please indicate when registering for the course.

Multiple Registration Discount

A discount of 20 percent off each registration fee is applied when five or more people from the same company register at the same time during the early registration period. Multiple student discounts are available by inquiry.

Cancellation Policy

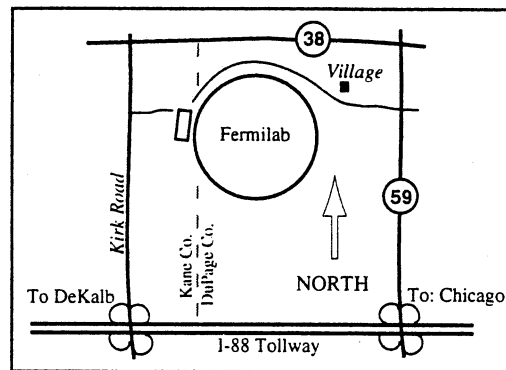
Cancellations may be made up one week before the course, however, 25 percent of the course will be charged. Cancellations made after one week before the course will be charged \$200. No refunds. One substitute is permitted for each registrant who is unable to attend. Daily substitutions are not permitted.

Overnight Accommodations

A block of rooms have been secured at the Best Western Inn (630/ 851-2000) at a rate of \$48 plus tax / night. In addition, rooms have been secured at the Red Roof Inn (630/369-2500) at a rate of \$75 plus tax / night and at the Pheasant Run Resort (630/584-6342) at a rate of \$95 plus tax / night.

Where is Fermilab?

The Laboratory is located on a 6,800 acre area about 35-miles west of Chicago. The main entrance is easily accessible from Kirk Road and Pine Street in Batavia, just three miles north of the I-88/Farnsworth Tollway Interchange.



Not to Scale

What You Will Receive

There will be 8 short course hours (4 hrs each morning) and 8 field workshop hours (4 hrs each afternoon). The short course will include a notebook completed by the short course instructors. Continental breakfast, lunch, and an afternoon break will be provided.

Continuing Education Units

1.6 Continuing Education Units (CEUs) will be administered by Northern Illinois University, DeKalb, Illinois.

Who Should Attend

This course was designed for ground water scientists and engineers, project managers, compliance program managers in the consulting, public, and regulatory sectors.

Although basic knowledge of ground water science will be helpful, the course introduces the basic principles of ground water movement through different glacial media and the effects of secondary weathering. The course should be attended by those interested about the latest advances in technology and recent developments in characterizing ground water parameters in glacial successions.

Stratigraphic Approach to Geologic Site Characterization

The stratigraphic approach provides the information necessary for predicting the continuous or isolated nature of a sand body within a matrix of cohesive deposits and the relationship of geotechnical properties to stratigraphic units and facies changes within a unit. It also allows for accurate correlation of units in the field which allows for proper screen placement, accurate geologic cross sections, and completion of monitoring wells in laterally extensive units rather than isolated lenses.

REGISTRATION

Name _____
 Title _____
 Company _____
 Address _____

 City _____ State _____ Zip _____
 Phone _____ Fax _____
 E-mail _____

For Student registration:

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

_____ University/College Date _____

Cost:

Professional \$599
ASCE Discount Before Sept. 18, 1998* \$499

Student \$350
Before Sept. 18, 1998* \$299

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 September 18, 1998. Multiple Registrator Discount Available. Cancellations may be made up to one week before the course, however, 25% of the course will be charged. No refunds.

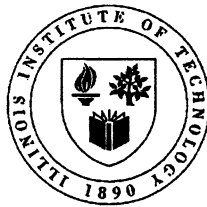
Questions? Contact Dan Kelleher at 630/574-3941 or midwestgeosciencesgroup@juno.com

Successful Negotiating Skills

A Two-Day Seminar

offered by

Illinois Institute of Technology



in cooperation with the

Western Society of Engineers



Friday and Saturday
October 23-24, 1998

IIT Rice Campus
Wheaton, Illinois

**Daniel F. and Ada L. Rice Campus
Illinois Institute of Technology**

Successful Negotiating Skills

*A Two-Day Seminar Co-Sponsored by the
Western Society of Engineers*

Seminar Objective

We all negotiate at work--whether it's with a boss, colleague, or client. This seminar will teach you how to be empathetic to the other side, but also assertive regarding your own interests. Negotiating savvy can yield huge dividends in your work life. You will learn the philosophy and skills that produce excellent negotiating results in an environment of long-term relationships.

Seminar Process

The seminar is highly interactive, with class discussions, use of skill development tools, and both one-on-one and small group negotiations. The emphasis is on skill development. To ensure individual attention, class size is limited to twenty.

Participant Responses

People who have attended this seminar at IIT have been exceptionally pleased with the training program. On a scale of 1 - 10, seminar evaluations have rated the instructor's knowledge of the subject matter and presentation of material a "10." One participant wrote: "The class was very informative and applicable to my job duties. I wouldn't change anything."

Dates, Time & Location

Dates: October 23 - 24, 1998 (Friday - Saturday)

Time: 8:30 a.m. - 5 p.m.

Location: IIT Rice Campus, 201 East Loop Road, Wheaton

Registration Fee

The fee for this two-day seminar is \$595, which includes instruction, seminar workbook, negotiation planner for on-the-job use (in both paper and computer disk format), Fisher & Ury's bestselling book *Getting To Yes*, lunch on both days, and refreshments. Members in good standing of the Western Society of Engineers are eligible for a \$50 discount. At the end of the course, participants will receive a certificate of completion and 1.4 continuing education units of credit.

To register, mail the attached registration form, with course payment, to IIT. Early registration is recommended because the class size is limited to twenty.

For Further Information

Arlene Smitke at IIT's Rice Campus, 630/682-6007 or Peg Bement at WSE, 312/913-1730.

Please provide information about this seminar to the appropriate people within your organization.

This seminar will help you achieve better negotiating skills within lasting relationships and in stand-alone situations. The program is designed for managers, sales representatives, engineers, R&D scientists, buyers, and information management specialists.

Upon completion of this seminar participants will:

- ▶ be able to identify and employ five Negotiating Styles:
*Defeat *Collaborate *Accommodate *Compromise *Withdraw,
- ▶ understand why Collaboration produces the best outcomes and the best relationships in both client and managerial negotiations,
- ▶ have a personal strategy and action plan for making better use of the five negotiating styles,
- ▶ be able to negotiate truly creative solutions rather than deadlocking or compromising in ways that leave everyone dissatisfied,
- ▶ know how to analyze their own BATNA (Best Alternative To a Negotiated Agreement) and the other party's BATNA and be able to use this information as a source of power in a negotiation,
- ▶ understand the impact that targets and personal input have on the outcome of a negotiation,
- ▶ make better use of each phase of the negotiating process from Opening Ceremony to Discovery to Devising Solutions to Reaching Agreement,
- ▶ know how to exercise their power gracefully; compensate for their weaknesses strategically,
- ▶ know what researchers have learned from comparing actual on-the-job behaviors of skilled and average negotiators,
- ▶ understand the uses and limitations of traditional negotiating tactics, be able to employ them when appropriate and defend them when necessary.

Both solo and team negotiation exercises provide numerous opportunities for participants to practice the concepts and skills covered in the seminar. Class size will be limited to assure full participation and a positive learning experience.

Participants will receive a seminar workbook, copies of the Negotiation Planner for on-the-job use (in both paper and computer disk format), and a copy of Fisher & Ury's best selling book on negotiations, *Getting To Yes*.

About the Instructor

For the last fifteen years, David Zehren has been training managers of every function, sales executives, bankers, research scientists, and other professionals in the arts of selling, presenting, and negotiating. Prior to founding Zehren-Friedman Associates, David was a sales executive with IBM and Director of the Evening MBA Program at a leading Business School.

In 1996, David has conducted seminars throughout the United States and in London, Zurich, Hong Kong, and Singapore.

His firm, Zehren-Friedman Associates, counts among its Chicago area clients Kraft Foods, US Robotics, RR Donnelley & Sons Co., First Chicago NBD, Heller Financial Inc., Alumax, ABN-AMRO, Harris Bank, and Brunswick Corporation.

SUCCESSFUL NEGOTIATING SKILLS

A Two-Day Seminar at Illinois Institute of Technology's Rice Campus in Wheaton
Co-sponsored by the Western Society of Engineers

October 23-24, 1998 (Friday and Saturday)

Seminar Registration Form

Name _____

Title _____

Organization _____

Address _____

City _____ State _____ Zip _____

Business Phone _____

Course Fee

- Western Society of Engineers Member - \$545.00
- Non-Member - \$595.00

The course fee includes instruction, seminar workbook, negotiation planner for on-the-job use (in both paper and computer disk format), Fisher & Ury's bestselling book *Getting To Yes*, lunch on both days, and refreshments.

Method of Payment

- Check enclosed # _____, payable to Illinois Institute of Technology
- Purchase order enclosed # _____
- Master Card Visa

Account # _____ Expiration Date _____

Signature _____

Mail completed form, with payment, to:

Continuing Education
IIT Rice Campus
201 East Loop Road
Wheaton, IL 60187

Please register early--class size is limited to twenty!

September Meeting

The September meeting will be held on Tuesday, September 11, 1998 at the Como Inn in Chicago. The speaker is to be announced. Please note that this is the third Tuesday of the month.

Urban Planning & Development Group

The Urban Planning and Development Group will be presenting a soil erosion control seminar on Wednesday, October 14, 1998. A registration form and further information is included at the right. Please contact Chuck Graber at (630) 894-5950.

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

Date: September 17, 1998

Time: 7:30 a.m.

Place: Denny's Restaurant
Oakbrook Terrace

Soil Erosion Control Seminar

Presented by The Urban Planning and Development Group
of the American Society of Civil Engineers

Wednesday, October 21, 1998 8:00 am to 12:30 pm
Schaumburg Prairie Center for the Arts
201 Schaumburg Court, Schaumburg, Illinois

An informative and interactive seminar for consulting engineers, contractors, owners/developers and public officials in developing the skills necessary to utilize the latest soil erosion control measures required by governing agencies for new developments. Speakers will include representatives from the IEPA, Lake County Stormwater Management Commission, Village of Schaumburg Engineering Department and Natural Resources Conservation Services.

The registration fee is \$55.00. Continental breakfast and a box lunch will be provided. For more information, call Chuck Graber at 630-894-5950. Please fill out the registration form below and mail with check payable to "ASCE-UP&DG".
REGISTRATION DEADLINE IS OCTOBER 12, 1998!

Name: _____

Company: _____

Address: _____

City/State/Zip: _____

Phone: _____

Mail check and completed form to: Graber Engineering, 24W121 Army Trail Road, Bloomingdale, Illinois 60108, Attention: Chuck Graber

EMPLOYMENT

The Village of Schaumburg (Pop. 73,800) has the following openings in our Engineering Department:

CIVIL ENGINEER

Village of Schaumburg is seeking a Civil Engineer to review subdivision and land development plans and revised drawings to insure compliance with Village codes and ordinances. Coordinates computer applications and the review/design process for new projects. Three years experience in an engineering position possessing knowledge of construction techniques for land development and public improvements, and excellent verbal and written communication skills. Bachelor's degree in Civil Eng. and registration as a Professional Engineer in Training (E.I.T.) or ability to obtain within 6 months of employment necessary. Salary starting at \$35,968, based on experience. Job code: CE1

CIVIL ENGINEER II

Village of Schaumburg is seeking a Civil Engineer II to plan, develop and implement an aggressive Capital Improvement Program, make recommendations to Boards and Committees, negotiate and administer professional service contracts, and develop and supervise design projects. Coordinates computer applications and assist customers with questions and complaints. At least 5 years exp. with knowledge of construction techniques for land development and public improvements, and excellent verbal and written communication skills. Bachelor's degree in Civil Engineering or related field and Professional Engineer (P.E.) licensure required. Salary based on experience, starting at \$38,827. Job code: CE2

Fax (847) 923-2376 or send resume to:
Village of Schaumburg,
Human Resources Dept. (Insert job code here)
101 Schaumburg Ct.
Schaumburg, IL 60193
E-mail: hr@ci.schaumburg.il.us
EOE m/f/d/v

OPPORTUNITIES

Why Understanding Mediation Is Important to Engineers

(continued from page 3)

mal for the parties to break into separate caucuses where they meet with the mediator on a confidential basis. A key element in mediation is that the neutral is empowered to receive confidential information, the mediator is able to make confidential suggestions about possible settlement scenarios. This is often done in a form of "shuttle diplomacy," as the mediator moves among the caucus groups. This process allows concessions to be gradually made without the fear of "saving face" or appearing weak. Often the mediator will recommend creative solutions which the parties hadn't considered, such as those based on agreements to do future work.

A common mistake is to view the mediator as the judge as to who is right and who is wrong. Good mediators, unlike judges or arbitrators, facilitate understandings about strengths and weaknesses without issuing public opin-

ions as how the matter would be eventually decided. Since trust in the mediator is such a key element to the process, mediators who appear judgmental often lose their effectiveness. For this reason, former judges, who have not eradicated a tendency to be judgmental, often make poor mediators.

Another mistake, often made by lawyers experienced with litigation but not with mediation, is not to understand that the ultimate judge and jury of their persuasive arguments are their opponents and not the mediator. This mistake occurs in the form of strident and offensive arguments and personal attacks on the other parties to the dispute.

Mediation is effective to reduce the exposure of claims from clients. Another major sources of claims against engineers are disputes arising between other parties to the construction process. Mediation can help efficiently

resolve those claims and significantly reduce the risk to engineers. The best way to insure that mediation will be used is to insist that a pre-dispute mediation clause, such as the AIA, is included in all professional service agreements and construction contract documents.

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