



The Windy City Wire

CHICAGO REGIONAL
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Society of Women Engineers Chicago Regional Section

www.societyofwomenengineers.org/chicago

Volume 10 Number 3

Get to Know SWE Night 2005

Written by Marika Alexakis

Third FY 06 Issue

What are the hints that autumn has arrived? Is it the big, yellow school buses making their morning stops and picking up school children who are ready to begin their school day? Is it the color of the leaves on trees changing into various shades of red, orange, and yellow? Is it the change in weather that forces people to put on a warm jacket and sip hot chocolate? Possibly. For SWE-CRS and its general membership, though, autumn is here when the flyers are sent out inviting everyone – new and old faces - to attend “Get to Know SWE Night,” referred to as GTKSN for short.

This year, SWE-CRS held GTKSN on Thursday, September 29th at the Motorola facilities in Schaumburg, IL. In general, GTKSN is a great opportunity for prospective, new, and current members to literally get to know SWE and the Chicago Regional Section. The event is structured in such a manner that provides members a chance to network over dinner, to hear about the benefits of joining from the president of the section, and to learn about the various volunteering opportunities that currently exist across at least ten active committees within the section. Additionally, information about future programs and events that are being planned throughout the coming fiscal year was shared.



Approximately, forty attendees came to this year’s GTKSN which began with dinner and an opportunity to talk to officers, chair people, and current members. After dinner, Wendy

SWE-CRS current and prospective members participating in the ice-breaker activity.

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president's letter

Wendy Landwehr, FY06 SWE-CRS President

Hello Chicago Regional Section! Fall is upon us and with that comes the "Get to Know SWE event". The event was held the last week of September and turned out to be a huge success a huge success. We had over forty members and potential members attend. It was awesome to see and meet all of the new faces. Thanks to Motorola for sponsoring us the venue and food. Kudos to the membership committee for putting on such a great event. We have had a great response to our volunteer opportunities requests. Thanks to everyone for volunteering. I look forward to working with you.

The national conference is just around the corner. I hope to see many of you in Anaheim. I am looking forward to seeing some old friends and meeting new ones. Region H is getting ready to compete for the second Region Spirit award, so remember to bring your cowbells. Several CRS Officers and members will be there. As always, we will be having a get together at the conference for the CRS members. The time and place is to be determined. If you are attending the conference, please let me or one of the officers know, so we can let you know the details.

The Student Liaison committee is busy contacting our student sections. They had successful meetings with the sections at Illinois Institute of Technology, University of Illinois, Chicago, Northwestern and Notre Dame. The committee hopes to visit with all of the student sections in the near future. The committee hopes to build a strong partnership with the students, with which we can help each other.

On November 12, our section is sponsoring a huge Girl Scout badge workshop at Fermi Lab in Batavia. The workshop covers two subjects: engineering and the prairie. I went to this event last year and helped the girls harvest seeds, to be planted in another location. I had the best time. There are also stations which teach the girls about engineering subjects. If you are interested in helping with this or have any questions, contact Anne Lucietto at anne.lucietto@swe.org.

Like I have said before, it's members make the Chicago Regional Section great! --- SWE'et Home Chicago -- because the Chicago Regional Section the best !!

SWE'et Home
Chicago

SWE-CRS Executive Council

Officers

President — Wendy Landwehr

Vice President — Diane LaFortune

Secretary — Athena Kotsanis

Treasurer — Christina Magerkurth

Section Representatives — Debra Evans,
Deanna Heffron, Cathy Pieronek

Committee Chairs

Awards — Debra Evans

Awards Banquet — Denise James

Career Guidance — Anne Lucietto

E-mail Network — Danielle Folkerts

Family Issues — Karen Preston-Wozniak

Finance Chair — Christina Magerkurth

IEC Representative — Cheryl Machnich, Daryl Farley Varney

Job Opportunities — Available

Logo Items — Anne Lucietto

Membership — Marika Alexakis

Mentoring — Kyla Jacobsen

Multicultural — Available

Newsletter Editor — Katie Amelio

Nominating Committee — To Be Determined

NW Indiana — Laura Cruz

PD Committee — Vanessa Pena

PO Box Mail Distribution — Jennifer Van Dyk

Programs — Amy Theis

Publicity — Danielle Folkerts

Scholarship — Laurel Jasek

Strategic Planning — Amy Theis

Student Liaison — Jennifer Van Dyk

Voicemail — Tracey Schocke

Webmaster — Rebecca Miller

Meet the 2005 SWE-CRS Officers



The SWE-CRS 2005 Officers shown from left to right is Wendy Landwehr, Diane LaFortune, Christina Magerkurth, Athena Kotsanis, Nicole Eigner, Cathy Pieornek and Deanna Heffron. Not featured in the photograph is Debra Evans.

President: Wendy Landwehr

Wendy Landwehr is a Senior Life member of SWE and is committed to SWE's objectives and goals. She has been actively involved in both the Section and Region H which has kept her in tune with what is going on in the section, regional and national levels. Wendy has served CRS in various officer and committee positions including: Secretary, COR, and Vice President. She has been Region H Secretary and is currently the Webmaster.

Wendy has an MS degree in Computer Science from Illinois Institute of Technology. She has been working at Northrop Grumman as a software engineer for 20 years. She has also been an active member of the Northrop Grumman Women Engineers group for eight years and has held several offices there. Her civic activities include tutoring math at the local Middle School and participating in Northrop Grumman's Discover E program where she teaches 8th grade and high school classes about engineering.

Wendy lives in Arlington Heights with her husband, Martin, and chocolate lab, Rosie. Her hobbies include gardening and astronomy.

Vice-President: Diane LaFortune

I have been a member of SWE since my freshman year in college at the University of Illinois at Urbana-Champaign. While a student, I participated on many committees, but my favorite experiences were as a member and project leader of one of the Team Tech projects. Upon graduation, I became a member of the Chicago Regional Section (SWE-CRS), and have been actively involved since then. I was the SWE-CRS Newsletter Editor for two years, and was the SWE-CRS Treasurer for the last two years. I have also participated on the Membership and PD Conference committees. As Treasurer, I was responsible for collecting, monitoring and distributing the section funds. I also prepared the annual budget, the financial status sheets, and the federal taxes for the section. Besides serving as the SWE-CRS Vice President this year, I am also the Region H Secretary.

I am a mechanical engineer for Northrop Grumman, where I have worked for the last four years. I am currently the lead mechanical engineer for a newly developed program, where I was also responsible for the qualification testing. I was the President of the Northrop Grumman Women Engineers for the past two years, where I instituted a revamped Engineer's Week Competition that included two major do-ahead contests and two walk-up contests open to the entire site. I am a member of NG-SWE, a corporate-wide SWE group, and I am the technical advisor for a UIUC Team Tech project sponsored by Northrop Grumman.

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Meet the 2005 SWE-CRS Officers (cont.)

(Continued from page 3)

My goals for the upcoming year are to increase participation in section programs, create more professional development opportunities, and support the section President in building a stronger section that utilizes a large cross-section of our membership. My experiences as Newsletter Editor and Treasurer have given me a broad knowledge of our membership and activities, which I believe will help us to develop a stronger section.

SWE Positions

2003-2005: SWE-CRS Treasurer

2003-2004: SWE-CRS PD Conference Committee member

2001-2003: SWE-CRS Newsletter Editor

2003: National Student Upgrade Task Force, SWOT Sub-Team Lead

2002-2003: SWE-CRS Membership Committee member

1996-2001: Student member at the UIUC, various committees

1998-1999: Team Tech Project Lead, Design of a Mechanical Hand

Treasurer: Christina Magerkurth

Christina Magerkurth, P.E. is a Senior Environmental Engineer at First Environment, Inc. She is involved in a wide variety of service areas including site investigation and remediation, due diligence, environmental litigation, environmental management system (EMS) design and implementation, regulatory compliance and EMS auditing, and greenhouse gas emissions and reductions verification. In her free time, she loves spending time with her husband, going biking or hiking, and working on home improvement projects.

She has been actively involved with SWE since being an undergraduate student at the California Institute of Technology. While there, she served in multiple Officer roles positions and helped develop the section by actively recruiting new members and planning programs. She continued her involvement during graduate school with the Student Section at Cornell University. Since moving to Chicago and becoming active as a professional member, Ms. Magerkurth has served as the Finance Committee Chair for two years and participated in a number of events. She hopes to continue helping SWE-CRS achieve its goals in the coming year by serving as Treasurer.

Secretary: Athena Kotsanis

Athena Kotsanis joined Lucent Technologies as a hardware engineer in 1996 with a Bachelor of Science Degree in Electrical Engineering from the University of Illinois at Chicago (UIC). While attending UIC she was an active member of SWE and held the offices of Secretary, Vice-President and President with the Institute of Electrical and Electronics Engineers. Both her technical and extracurricular achievements were recognized several times. She received the IEEE Chicago Chapter Leadership Award for her accomplishments as President of IEEE (student chapter), an Engineering Freshman Merit Award, and the UIC Alumni Student Leadership Recognition Award.

As an employee of Lucent Technologies, Athena has led and worked with different teams to design Lucent products. Her current job assignment is to write requirements for a new platform. Outside of her technical assignments, Athena has been involved in recruiting efforts for Lucent.

She recruited at the WITI Conference in California and at the University of Illinois at Chicago several times since joining Lucent. In addition to recruiting at the University, Athena was part of workshops to advise student engineers about interviewing and job searching. At Lucent, Athena has also presented at events such as Take Your Daughters to Work Day. She is also very active in community services such Habitat for Humanity, Special Olympics, and Lucent Day of Caring.

Council of Representatives: Debra Evans

Debra P. Evans is a Senior Program Manager for the Injectable Formulation Technology (IFT) Business in the Baxter Healthcare's BioPharma Solutions Business. She is responsible for the financial, technical and production performance of this business for Baxter Healthcare.

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Meet the 2005 SWE-CRS Officers (cont.)

(Continued from page 4)

Prior to joining Baxter she was previously employed at Motorola, Hughes Aircraft and Northrop-Grumman Corporation. For Motorola's Automotive and Industrial Electronics and Telematic Communication Groups she managed several automotive and telematics programs. She managed several Defense Radar and Countermeasure programs for Hughes in California and was Director of Engineering for Hughes' South Carolina facility. For Northrop-Grumman she was responsible for Mechanical Engineering research for several Electronic Countermeasure programs.

She received her Bachelors of Science degree in Material Science and Engineering from Northwestern University. A Master of Science degree in Engineering from the University of Illinois and a Master's certificate in Program Management from George Washington University.

Debra is a member of the following professional organizations: American Society of Mechanical Engineers (ASME), Healthcare Businesswomen Association (HBA), National Society of Black Engineers (NSBE), Project Management Institute and the Society of Women Engineers (SWE).

Her civic activity includes the University of Illinois Alumni & Engineering Alumni associations, and the Northwestern University Alumni association serving on the Alumni Admission Committee and the McCormick School Advisory Board. She is also a member of the Pope John XXIII Parent Teacher Association.

She has received the following awards:

Baxter Technology and Teamwork Award
University of Illinois Constituent Leadership Award
University of Illinois Loyalty Award
Society of Women Engineers Fellow
Who's Who in International Professional and Executive Women
Women of Color in Technology Award
Institute for the Advancement of Engineering Fellow
World Who's Who of Women
Who's Who in Professional and Executive Women
Two Thousand Notable American Women
YWCA of Los Angeles Women Achievers in Industry Award
YMCA of Metropolitan Chicago Black and Hispanic
Achievers in Industry Award

She lives in Chicago and is married to Willard S. Evans Jr. They have two children Patrice Imani and Willard III.

Council of Representatives: Nicole Eigner

Nicole received her B.S. in Civil Engineering from the University of Illinois in Urbana-Champaign in May 1995. She joined the Engineering Professional Development Program at Abbott Laboratories in 1995, holding various engineering assignments throughout the company. She worked as a Controls Engineer supporting bulk chemical manufacturing for four years following the program, and then moved on to a role as a Project Engineer supporting pharmaceutical packaging projects for the next three years. Currently, Nicole is Manager, Pharma Equipment Engineering for Global Pharmaceutical Operations and is responsible for a group of project engineers that provide project management and technical support to Abbott's pharmaceutical plants worldwide. She is also part of a Lean Manufacturing initiative that is being piloted at a U.S. plant with the intent of being implemented at other key Abbott facilities. Nicole has been integrally involved in the establishment of an employee network for women in engineering at Abbott, and is an active participant in SWE's Corporate Partnership Council as an Abbott representative.

Nicole has been a member of SWE since 1994 and an active member of the Chicago Regional Section since 2001. She has served on the COR for the last three years. For the last year, Nicole has also been the leader of the COR Environmental Scanning FIG, which is responsible for a portion of SWE's strategic planning efforts.

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Meet the 2005 SWE-CRS Officers (cont.)

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Council of Representatives: Deanna Heffron

Deanna Heffron is an Environmental Engineer with Scientific Control Laboratories, an accredited testing laboratory and consulting firm. She also worked for many years in the regulatory compliance arena at Nalco in their Environmental Health and Safety Department. Deanna received her undergraduate degrees in Chemical Engineering and Chemistry from the University of Illinois at Urbana-Champaign, and her master's degree in Environmental Engineering from the Illinois Institute of Technology. Deanna is a registered Professional Engineer with the State of Illinois.

Although a member of SWE for many years, Deanna only more recently stepped into a leadership role within the Section. She was a SWE-CRS Section Representative, Vice-President, and last year was Section President. Deanna also served as the Region H representative to the National Professional Development Committee from FY00 to FY04. She is happy to be serving SWE-CRS once again as a Section Representative.

Besides serving as a SWE-CRS officer, Deanna has additional leadership experience, ranging from Choir Director to President of the Nalco Toastmasters Club.

Council of Representatives: Cathy Pieronek

Cathy Pieronek is assistant director of academic programs and the director of the women's engineering program at the University of Notre Dame's College of Engineering. She holds a B.S. in aerospace engineering and a J.D. from the University of Notre Dame, and an M.S. in aerospace engineering from UCLA. She worked for eight years on NASA spacecraft projects for TRW Space & Defense Sector (now Northrop Grumman Space Technology) before returning to Notre Dame. In her current role, she has responsibility for all issues affecting the retention and recruitment of female students in Notre Dame's College of Engineering, and she also works with the Dean of Engineering on various academic issues relevant to undergraduates. Cathy serves as the advisor and counselor to the Notre Dame student section of SWE, which hosted the highly successful Region H conference in February of 2005.

A professional member of SWE since 1984 and senior member since 2003, Cathy has served as a COR representative from SWE-CRS since FY04. She was also recently named representative from Region H to the Collegiate Interest Council. She has also served as student section liaison for SWE-CRS. Cathy is especially interested in issues relevant to the student members of SWE, and in bringing together students and professionals to benefit both segments of SWE membership.

UIC-SWE Student Section-Corporate Mentor Program

Greetings from the University of Illinois at Chicago Society of Women Engineers Student Section (UIC-SWE). UIC-SWE is dedicated to helping women engineers achieve academically and professionally through our many campus activities. Our programs provide a connection from college to the real world. We invite you to become a mentor to our undergraduate female engineers and to join us for the first of two special dinner meetings to be held during the 2006 academic year.

UIC-SWE has recommitted itself to mentoring by pairing experienced engineers with students. We hope that you will join us as a volunteer in the Corporate Mentor Program. Alumnae and friends will be assigned to a student as a mentor-protégé team. Each team is asked to communicate with one another at least three times during each semester about issues of interest to one another. This means asking and answering questions that range from course choices to technical applications of theory to hunting for that all important internship or first engineering job. Whether in person, by telephone, or by e-mail, you have the power to influence a new engineer.

You and your protégé will have an opportunity to meet at two group dinner meetings sponsored by UIC-SWE and the College of Engineering. The first Mentor Dinner will be held Wednesday, November 9, 2005 from 5:30 PM to 8 PM. If you plan to be a Corporate Mentor please return your application to the address above or by e-mail by October 15th, 2005. It is not required that you attend to be paired with an engineering student, but it is encouraged to build this bond. To RSVP or request an application contact: ptang4@uic.edu or sebrig1@uic.edu.

We also invite you and your company to be part of our family by sponsoring any of the UIC-SWE activities. Becoming a SWE sponsor has many benefits, including more visibility on our campus. Please contact Megan Tang, Corporate Mentor Program Chair Society of Women Engineers, UIC at ptang4@uic.edu. Thank you in advance for your commitment to UIC-SWE.

SWE-CRS / Iota Sigma Pi Joint Meeting on Electroplating

Written by Deanna Heffron

Think the SWE National Conference is all that's happening in November? Well, think again! SWE-CRS will be holding a joint meeting with the local chapter of Iota Sigma Pi, a National Women's Chemistry Honor Society, on Friday, November 11, 2005. Guest speaker will be Mr. Frank Altmayer, owner of Scientific Control Laboratories and renown expert on electroplating. His presentation will cover the basics of electroplating. The event will take place at St. Xavier University in Chicago, IL. Cost for the event is \$20 per person and includes a great Italian buffet dinner.

Reservations should be made to Maggie Workman at 773-325-7445 or mworkman@depaul.edu by Monday, Nov. 7th. Please indicate you are with SWE when placing your reservation. Guests and non-members are welcome! Please remember that an RSVP represents a financial commitment. The possibility of Professional Development Hours is available for Professional Engineers attending this event.

For more information on this event, please contact Deanna Heffron at dheffron@sclweb.com.

What: Joint meeting with Iota Sigma Pi, featuring Frank Altmayer speaking on "Electroplating"
When: Friday, November 11, 2005 Networking begins at 6 PM, dinner at 7 PM, presentation at 8 PM
Where: St. Xavier University Board Room (WAC E402), 3700 W. 103rd Street, Chicago
Cost: \$20 per person, includes buffet dinner
RSVP: 773-325-7445 or mworkman@depaul.edu by 11/7/2005

Tentative menu for Italian buffet dinner:

- Antipasto Salad and Caesar Salad with Herb Croutons
- Meat Lasagna and Vegetable Lasagna
- Fettuccini, Penne with marinara or alfredo
- Italian Green Beans
- Garlic Bread Sticks
- Cannoli and Biscotti
- Coffee, Iced Tea, and Water

The November IWPA Book Fair

Local author and Chicago native Susan Brauer offers her newly released "JUST KEEP DANCING" at the Illinois Woman's Press Association's (IWPA) November Book Fair which is being held at the Chicago Cultural Center on November 19, 2005.

"JUST KEEP DANCING" has a disarmingly truthful account of abuse and domestic violence. It is a story that unfolds into an odyssey of abuse and triumph, with a message of hope. It is published by Dreamers Tapestry, Inc., and available on www.dreamerstapestry.com, www.amazon.com, and at The Women & Children First Bookstore in Chicago, books will also be sold throughout the event at THE SHOP at The Chicago Cultural Center.

Date: Saturday, November 19, 2005

Time: 10 a.m. to 3 p.m.

Place: The Chicago Cultural Center at North Michigan Avenue and Randolph Street in Downtown Chicago.

ADMISSION IS FREE TO ALL ACTIVITIES

Founded in 1885 by Chicago's earliest women journalists, the Illinois Woman's Press Association now includes journalists, freelance writers, book authors, public relations practitioners, educators and other professional communicators. It conducts an annual professional communications contest and a high school journalism contest. IWPA is the state affiliate of the National Federation of Press Women, which is dedicated to professional excellence and to the rights and responsibilities of the First Amendment. More information about IWPA can be obtained by calling the Illinois Woman's Press Association Hotline, 312.458.9151, or visiting the Web site, www.iwpa.org.

Get to Know SWE Night 2005 (cont.)

(Continued from page 1)

Landwehr, FY05-06 SWE-CRS president and Anne Marie Johlle, a Senior Engineering Manager at Motorola, addressed the audience about the benefits that they personally have gained, respectively, from being an active member of SWE and the section. Their talks were followed by an ice breaker structured to get to know the heart of SWE-CRS, its members. The evening culminated with five breakout sessions that permitted the attendees to learn about the various volunteering opportunities that exist with the Professional Development, Career Guidance, Student Liaison, Mentoring, and Finance committee either directly from the chair of the committee or from the members who are on the committee currently. The evening finished with a few closing remarks and a hopeful wish that we will see all of the attendees throughout the year at various SWE-CRS functions.



Wendy Landwehr and Jenine Wiseman leading a discussion on the opportunities to volunteer for the SWE-CRS Career Guidance committee.



Diane LaFortune leading discussion about the Finance committee.

I would like to express my sincere thanks to Anne Marie Johlle and Motorola for hosting this event and providing dinner for the attendees. Also, I would like to thank this year's officers, chairs and membership committee members for volunteering your time to either prepare hand-outs, make phone calls, stuff folders, and help facilitate the event, or simply provide your input and suggestions throughout the planning process. Finally, I would like to thank all those that attended this year's event. The event would not have been as successful or as fun without each of you being there and actively participating.

If you are a new or prospective member to SWE-CRS and need more information about the section or about volunteering opportunities, please visit our website at www.swe.org/chicago or send an e-mail to SWE-Chicago@yahoo.com. Hope to meet you at the next SWE-CRS event!

Save the Date

**FY06 Region H Conference
March 3-5, 2006
Iowa State University, Ames, IA**

Girl Scout Badge Workshop

On November 12 from 9-3 there will be a Fermi-Lab Girl Scout Badge workshop at Fermi National Accelerator Laboratory. Volunteers are needed to help with history projects (cemetery & village), prairie harvest, Ask A Scientist/Engineer (type activities) and various other activities during this event! Anyone and everyone is welcome to help out! If you have any questions or wish to volunteer contact Anne at anne.lucietto@swe.org.

Family Issues Holiday Event

Written by Karen Preston Wozniak

The Family Issues chair would like to invite you to a great holiday event in December! The Opera In Focus theatre group is once again presenting some fabulous shows. We need thirty people to sign up for the event. The uniquely articulated rod puppets, the only ones of their kind, are the invention of William B. Fossier. After the show, the children get a behind the scenes tour of this terrific grand opera theatre. The rack and pinion puppet design began in the 1930's by Mr. Fossier and children all over love to see how the puppets move. Orders for lunch will be taken by the banquet hall servers. So if you are interested and would like to participate in some truly *unique* miniature theatre email preston1122@yahoo.com. Please read next months issue of Windy City Wire for directions to the theatre in Rolling Meadows. I hope to see you there!

SEF – 2005 Fall Lecture: The High-Rise: How High Can We Go?

The Structural Engineers Foundation will host a lecture on high-rise structures by Mr. Leslie Robertson of Leslie E. Robertson Associates, R.L.L.P., on November 1, 2005 at the Union League Club. This lecture explores the development of the high-rise buildings from their inception in about 1880 until today. Under the assumption that no great strides forward will be made in materials technology, the lecture goes on to explore structural systems that may be appropriate for buildings as high as 2000 meters and beyond.

Mr. Robertson (<http://www.lera.com/robertson.htm>) is responsible for the structural design of hundreds of buildings and structures about the world...including the World Trade Center (New York) (<http://www.emporis.com/en/bu/sk/wt/cp/if/ro/>), the United States Steel Headquarters (Pittsburgh), the Bank of China Tower (Hong Kong), Puerta de Europa (Madrid) and the Continental Arena (Meadowlands) as well as exceptional museums in Berlin and Portland (Maine) and the Miho Museum and Bridge (Japan). He received the Gengo Matsui Prize as the outstanding Structural Engineer in the world, the AIA Institute Honor and honorary membership with the AIA, New York; and was recognized as ENR's Construction 'Man of the Year'. He is a member of the National Academy of Engineering and is licensed as a Chartered Structural Engineer (United Kingdom) and a First Class Architect (Japan). Mr. Robertson is one of twenty structural engineers (seven of whom are living) who made *Engineering News Record's* "125 Top People of the Past 125 Years" (ref: <http://www.enr.com/aboutUs/125enrHistory/125enrhistory-people1.asp>).

With his innovations in structural engineering, Mr. Robertson has set new standards in the design and construction of tall buildings. A pioneer in the application of computers to design, he has advanced the art and the science of structural engineering theory. Mr. Robertson's work on skyscrapers, domes, bridges and long-span roofs has transformed engineering theory into practical technological breakthroughs that free architects to build the stuff of dreams.

The Structural Engineers Foundation has been in existence since 1993. The Foundation awards scholarships to students in structural engineering and sponsors lectures in the Spring and Fall, by lecturers significant and well-known in the field of structural engineering. The Associated Steel Erectors of Chicago Steel Industry Promotion Fund has been instrumental in helping to fund these lectures.

Place: The Union League Club, 65 W. Jackson Blvd., Chicago, Illinois.

Reception: 5:30 p.m. - 6:30 p.m., Hors d'oeuvre will be provided and there will be a cash bar

Program: 6:30 p.m. The reception and program are free of charge and open to the public. Reservations are required and may be made by calling (312) 649-4600 ext. 200. A suit and tie dress code is enforced.

CRS Attendees to the SWE National Conference

If you are planning on attending the SWE National Conference in Anaheim, please let Wendy Landwehr know at swcers-president@swe.org. We always have a CRS get together at the conference and we want to make sure you know the details if you are attending.

SEAOI CONTINUING EDUCATION SEMINAR:

Practical Antiterrorism Design for Structural Engineers

Various terrorist attacks over the last fifteen years have considerably increased the perceived risk of similar incidents at other facilities, particularly government, military, diplomatic, and commercial "icon" buildings. In the past, mitigation of this threat has been the exclusive domain of a handful of expert firms and individuals utilizing highly specialized techniques and tools. Today it is important that "ordinary" structural engineers have at least some awareness and capability in this area, especially since a vehicle bomb – the most popular terrorist weapon – can damage or destroy not only the target building, but also others nearby. Simplified analysis and design methodologies and user-friendly computer programs now make this possible.

This one-day seminar will address the following topics:

- Applicable standards and guidelines from ASCE, DoD, FEMA, GSA, and others
- Risk assessment to establish appropriate antiterrorism design criteria
- Non-structural strategies for risk reduction
- Uncertainties and assumptions inherent in blast effects analysis and design
- Characterization of blast loading on affected elements
- Selection of applicable response limits based on desired level of protection
- Vulnerability assessment using pressure-impulse diagrams
- Dynamic and equivalent static analysis using single-degree-of-freedom models
- Glazing hazard evaluation using software or equivalent wind pressures
- Progressive collapse resistance using tie forces and alternate load paths

Jon A. Schmidt, P.E., SECB is the featured presenter. He is a senior structural and security engineer with Burns & McDonnell in Kansas City, Missouri. Mr. Schmidt has more than eleven years of experience working on aviation, industrial, commercial, and institutional facilities for government, military, and private-sector clients. He is responsible for the evaluation of antiterrorism force protection (ATFP) considerations on all of the firm's Department of Defense projects, including explosives effects analysis and protective design as necessary.

The course provides 7.5 hours of continuing education hours. The seminar will run from 8:00 a.m. to 5:00 p.m. on November 17, 2005 at Maggiano's Little Italy Restaurant located at 111 W. Grand Avenue Chicago, Illinois. Lunch is included in the cost of the seminar. Registration and a continental breakfast begin at 7:30 a.m. Reservations are required and may be made by calling Donna Childs at the SEAOI office at 312.649.4600 x200 by 3:00 p.m. on Friday, November 11, 2005. Course Fees are: \$250 by (\$300 after) November 11 for SEAOI/AISC members; \$300 by (\$350 after) November 11 for non-members; \$150 by (\$200 after) November 11 for students with ID; \$50 discount for senior citizens; \$50 cancellation fee by (No refund after) November 11.

SWE-CRS Upcoming Events

- OCTOBER 22 Planning Meeting - Niles, IL
- NOVEMBER 2-5 SWE National Conference, Anaheim, CA
 11 ElectroPlating Chemistry, with Iota Sigma Phi, St Xavier College, Chicago, IL
 12 Girl Scout Workshop, Fermi Lab, Batavia, IL
- DECEMBER 10 CRS Holiday Party, Chicago, IL
 TBA Puppet Show, Rolling Meadows, IL
- JANUARY 1 Bike Psycho's bike ride
 21 Planning Meeting – Aurora, IL
 TBA CRS Networking events
- FEBRUARY 3 Tour at Electro-Motive Diesel
 20-25 E-Week
 25 Dupage EWeek Event, Wheaton, IL
- MARCH 3-5 Region H Conference, Iowa State University, Ames, IA
 11 Planning Meeting – Lindenhurst, IL
- APRIL TBA PD Conf
 TBA Student Upgrade Party
- MAY 13 Planning Meeting – Evergreen Park, IL
- JUNE 8 Awards Banquet, Hyatt Lodge, Oakbrook, IL
 24 Meeting & Year-End Party, Arlington Heights, IL



October Planning Meeting

Date: Saturday, October 22nd, 2005
 Time: 9:30 - 11:30 am
 Place: Athena Kotsanis's house in Niles
 RSVP: Required by Thursday, October 20th. RSVP directly to Athena via e-mail (athena@lucent.com) to receive directions.

During the planning meeting, we'll discuss the Chicago Regional Section's financial status, upcoming events, committee activities, etc.. All officers, representatives and committee chairs are encouraged to attend, and all members are welcome.



New Members Join SWE CRS

Please welcome the following members to the section, who have either newly joined, upgraded from student membership, or moved into the section.

- | | |
|-----------------------|---------------------|
| Debra Bruce | Reetu Nohria |
| Nova Carden | Christina Osmun |
| Jillian Centanni | Jennifer Peck |
| Jan Crawford | Candice Peterson |
| Katherine Daniels | Rebecca Pickens |
| Kathleen Dorton | Kelli Prenger |
| Dianne Esber | Richa Singhal |
| Florence Foy | Lorely Garcia Sison |
| Mary Jeanette Gale | Patricia Skibbe |
| Alpana Gangopadhyaya | Sarah Marie Taubitz |
| Leena George | Jennifer Tobergte |
| Poonam Gill | Supreya Tosakulwong |
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| Diane Graziano | Carolyn Van Slyck |
| Christina Jaschuk | Diana Wehbe |
| Christen Marie McArty | Kelly Winner |



All members are encouraged to submit articles or announcements that may be of interest to our membership. The next article deadline is

November 16th

Send articles to:
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