

Civil Engineering Division of the American Society for Engineering Education September 2007

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NOTE: The deadline to submit abstracts for the 2008 Annual Conference (June 22-25, 2008 in Pittsburgh) is 5:00 PM Eastern Time on October 19, 2007

<http://www.asee.org/conferences/annual/2008/Call-for-Papers.cfm>

Message from the Chair of the Division

*Ron Welch, The University of Texas at Tyler, Tyler, TX
<Ronald_Welch@uttyler.edu>*

Aloha! I mean Howdy! It is so hard to get back into my role of a new faculty member at The University of Texas at Tyler, especially after our wonderful vacation, I mean, conference in beautiful Honolulu, Hawaii. The huge success of this year's division activities started with you sending in over 90 abstracts that led to 53 superb papers presented during 9 sessions. The detailed comments from our moderators on each outstanding session are provided below.

However, the quality of the papers was not possible without the nearly 70-person team of CE division reviewers, YOU, who provided insightful assessments of first abstracts and then the papers. These high quality assessments led many to pull their abstracts and papers based on now recognizing that they were not ready for publication under our new publish-to-present format. One of the key components of these reviews was the hard look at the actual application and then assessment of the presented engineering education research and activities. Thank you for being very detailed and insightful with your comments as to what we as a group want to see at our sessions.

Based on our new publish-to-present format which may prevent some worthy papers on innovative concepts that have not had sufficient time to enjoy multiple offering before presenting, the Division will be looking to have a session/opportunity where new projects and ideas can be presented while not expecting that the assessments are complete. Of course, the number of papers presented under this format will be small since our primary focus is to share

ideas and activities that are proven to improve Civil Engineering education. None of this transition would have been possible without you – Thanks!!

Hawaii is now in the rear view mirror and we are looking forward to an equally successful conference closer to home for most – Pittsburgh, PA, the city of love based on some surveys... Just as mentioned before, a successful conference will not be possible without you first submitting those high quality abstracts in September and then following up with equally superb papers in January, while also volunteering your services to Dennis Fallon as a reviewer of abstracts and papers. So my request to you while I work to ensure there is a chicken in every pot is to provide Dennis the same CE level of outstanding support that you provided me and lets continue to build upon the success of recent CE division conferences/activities and to improve the quality of our papers and to increase the numbers within our sessions.

You might ask, "How can I help in increasing our numbers at CE division sessions?" I am glad you asked, please reach out to one member of your CE faculty that is not currently a member of ASEE and especially the CE division and ask them to join. Push your Dean to support the ASEE membership program where ASEE will cover one year of membership if the Dean/school covers the first year of membership. Consider that the membership fee is only \$69, what a deal! All most of us have to do is just mention what we get out of participating in ASEE conferences and no real sell is ever needed. So please continue to assist your CE division by being a reviewer and reaching out to add one new member to our ranks this year.

In closing, let me thank you for honoring me with this opportunity to serve you as your Division Chair. I look forward to helping the Division grow and seeing you next year in Pittsburgh. Again, please join me in welcoming Dennis Fallon as the Program Chair and provide him with the same support you provided me this year.

Mahalo! I mean thanks again for truly outstanding support during last year's ASEE Annual conference in Hawaii. See you in Pittsburgh! **Ron**

Comment from the Program Chair

Dennis Fallon, The Citadel, Charleston, SC <dennis.fallon@citadel.edu>

At the 2007 ASEE Conference the Civil Engineering Division program was an outstanding success thanks to the work of our program chair (and now Chair), Ron Welch. It will be quite a challenge to come up with a program at the 2008 conference in Pittsburgh that rises to the standard that was set in Hawaii.

To meet this challenge, the CE Division began the planning process through its five standing committees at the annual planning session on Tuesday, June 26. Much of the committee's discussions during this planning phase were a continuation of the types and topics of papers that were presented during the 2007 conference.

For example, the **Committee on Educational Policy**, as well as, the **Committee on Professional Practices** felt that we needed more papers that discuss the education and preparation of civil engineers to enter a global world. Both committees felt that the one session during the conference was insufficient to handle this important topic. In addition, the **Committee on Professional Practices** felt that we needed some papers on how best to prepare students to understand the concepts of "green" design. Special interest was in how to implement "green" design throughout the curriculum and in the capstone course.

There continues (as in the case of all our conferences) to be an interest by the **Committee of Effective Teaching** to obtain papers that demonstrate innovative classroom teaching methods which are *pedagogically sound* and appeal to many different learning styles. Coupled with this, the **Committee of Instructional Technology** would like to see papers that discuss the use of technology in the classroom. Specific interest is in papers that describe "works in progress" or "establish works" in the use of technology to facilitate remote control of laboratories or field experiments. Further, the **Committee of Effective Teaching** would like to see papers that describe fun activities which will *engage and inspire students* while also facilitating their learning. This committee has specific interest in activities at the upper division level.

Finally, and definitely not lastly, the **Committee on ASCE Liaison** continues to look into the Civil Engineering Body of Knowledge (BOK) and ASCE policy 465. Specifically, they were interested in the impact that the second edition of the Body of Knowledge has on the civil engineering education and in receiving feedback from the membership.

On a personal note, for us to achieve the success of the Hawaiian conference, I would request that you consider submitting a paper. In addition, as you may know this is a peer-reviewed conference, as such I am recruiting individuals who would like to review one or (hopefully) more papers. If you would like to help the Civil Engineering Division, please contact me at dennis.fallon@citadel.edu. *The Division **needs your help** to ensure that the Civil Engineering Division of the American Society for Engineering Education maintains the highest standards for quality of scholarship.*

I look forward to seeing you at the upcoming conference next summer. Best regards, **Dennis**

Summary of the 2007 Annual Conference in Honolulu, HI

Session 1315 - *Ethics Live!*

Chairs: Walt LeFevre and Dennis Fallon

The objective of the program was to demonstrate how ethics could be presented effectively using case histories and skits. Two skits were presented using faculty for actors, moderators and panelists. All in all, ten schools were represented. The first skit involved a potential case of copying one engineer's work and submitting it as part of a new project. The skit was presented and then five possible actions were given to the group as possible courses of action. Discussion among the audience was encouraged and then the audience voted for the one they thought most appropriate. The group responses were compared to those achieved by the Case-of-the-Month web response. The second skit involved a Texas structural firm with a NY major engineering firm. Miscommunication between the two parties led to an ethical dilemma. The same procedure was used to examine this case. Time was taken at the end of the session for the audience to tell of their procedures for promoting ethics education. Participants all agreed that this is not an easy subject to teach but considered it extremely important. The volunteer panelists were Ron Welch, UT Tyler, Marvin Criswell, Co State, Francis Thomas, U Kansas, and Sofia Vidalis, Penn State Harrisburg. The volunteer actors were James Hanson, Rose Hulman, Tim Ziegler, Southern Poly, James Nelson, UT Tyler, Al Estes, Cal State San Luis Obispo, Matt Roberts, U of Wisc., Platteville, Christine Masters, Penn State, and Jim O'Brien, ASCE Staff. The objective of the session was achieved.

Session 1515 - *Aspirational Visions of CE in 2025 and Policy 465*

Chairs: Tom Lenox and Jim O'Brien

The first paper-presentation session of the conference was sponsored by the Division's ASCE Liaison Committee. The ASCE Liaison Committee is the newest standing committee of the Division – created two years ago to promote a close relationship between the Division and ASCE's educational and professional activities. This committee looks to identify some of the hottest education-related topics within the civil engineering profession for presentation at the conference. This session is regularly scheduled early in the conference since it often sets the backdrop for several of the other sessions sponsored by the Division.

This year's session included two topics of great interest to civil engineering educators. The session reported on the results of the "Summit on the Future of Civil Engineering" organized by ASCE in June 2006. In addition, the presenters discussed ASCE's plan for incorporating the results of the summit into a refined ASCE Policy 465, a revised Civil Engineering Body of Knowledge, modified accreditation criteria, and improved civil engineering curricula. Specific presenters (with their papers noted parenthetically) included:

- Stu Walesh ("Civil Engineering In 2025: The Vision and How It Was Developed")
- Jeff Russell ("ASCE Policy 465 – The Means for Realizing the Aspirational Vision")
- Ron Welch ("The BOK And Future Directions For Civil Engineering Curricula")
- Ken Fridley ("An Aspirational Vision of Civil Engineering in 2025 – Defining The Body Of Knowledge")
- Jeff Evans ("The Role of Humanities And Social Sciences in the Civil Engineering Body Of Knowledge")
- Steve Ressler ("An Aspirational Vision Of Civil Engineering In 2025: The Role Of Accreditation")

Over 70 conference participants attended the session. They received a very special treat at the end of the session – the inaugural concert of the ~~world nationally regionally locally~~ not-so renowned CAP-CUBED CHORUS. With a little help from the Country-Western group Sugarland (see <http://sugarlandmusic.com/>) the CAP-CUBED CHORUS ~~sang mumbled~~ butchered the words of the song "Settlin'." In case you haven't heard the song, its refrain captures the spirit of our current engineering educational reform:

*I ain't settlin' for just getting' by
I've had enough so so for the rest of my life
Tired of shootin' too low so raise the bar high.
Just enough, ain't enough this time
I ain't settlin' for anything less than everything.*

Please note, the CAP-CUBED CHORUS is available for hire. Please contact their agent at flenox@asce.org or jobrien@asce.org. Payment is required in advance – and in cash!

Session 2115 - Preparing Civil Engineering Students for a Flat World

Chairs: Dennis Fallon and Vince Drnevich

This session presented four papers on various topics on how to provide education for civil engineering students in a “Flat World.” The first paper titled “The Civil Engineering Does Not Exist? Innovative Changes in Education Are Necessary in Europe” discussed the latest trends in civil engineering education on the European continent. The second paper “Studying Abroad at Villanova: Analysis of an Evolving Program” discussed the success of the study abroad program at Villanova University. The third paper “The Remote Classroom-Asynchronous Delivery of Engineering Courses to a Widely Dispersed Student Body” presented some ideas on how to deliver course material to individual students in foreign countries. The last paper “Inspiring Students-The Key to Learning for the Future” considered the implications of preparing engineering students to enter, live, and be successful in a “Flat World.” This session moderator concluded this session with an active and lively discussion on where civil engineering is heading with regards to providing students a global perspective. Much of this discussion was used in the planning session for the 2008 ASEE conference.

Session 2215 – Direct Measures of Student Performance

Chairs: Steve Ressler, Fred Meyer, Kevin Hall

Session 2215 was conducted on Tuesday morning, June 26, and was intended to address ABET’s increasing emphasis on the use of “direct measures of student performance” as the basis for assessing students’ achievement of the ABET Criterion 3 outcomes. The session was moderated by Steve Ressler. Al Estes began the session with an overview of Criterion 3 and the challenges associated with satisfying the (a)-(k) outcomes (“Surviving ABET Accreditation: Satisfying the Demands of Criterion 3”). William Carpenter then presented a very specific and effective example of a direct measure—proficiency exams addressing selected key problem-solving skills in an engineering course (“Proficiency Exams in a Supportive Learning Environment”). Don Carpenter offered his experiences with designing learning activities to address the challenging ABET outcomes related to ethical responsibilities and contemporary issues (“Using a Hybrid Classroom Environment for the Instruction of Ethics and Contemporary Civil Engineering Issues”). Mike Bronzini discussed his program’s use of a senior design jury to provide objective assessment of students’ performance on their capstone design projects (“Using the Senior Design Jury to Directly Assess Program Outcomes”). Fred Meyer also discussed the use of student capstone projects as the basis for program-level assessment, in this case via a methodology that maps the project’s grading rubric directly to the ABET outcomes (“A Technique for Program-Wide Direct Assessment of Student Performance”). And finally, Kevin Sutterer wrapped up the session with a thoughtful appraisal of the “gold standard” for direct assessment—the electronic portfolio system used at Rose-Hulman Institute of Technology (“Use of an Electronic Portfolio for Independent, Robust Direct Measurement of Student Outcomes”). Overall, the session was quite successful. The speakers provided well-conceived, practical suggestions for meeting the challenges of ABET Criterion 3. Their presentations were of uniformly high quality, and the audience response was quite favorable.

Session 2515 - Teaching Effectively Using Teams

Chairs: James Hanson and Shashi Nambisan

Send in the Fire Department – “Six-shooter” Shashi Nambisan and “Pistol Pete” Jim Hanson co-moderated a rapid-fire session in Honolulu to test the envelope for most presentations that can be effectively made during an annual conference technical session. Session 2515 contained 10 presentations in 105 minutes. The session theme was Teaching Effectively Using Teams. Due to admirable cooperation of all presenters, the session was completed 10 minutes ahead of schedule. The presenters did a wonderful job presenting materials (and getting their points across) in the limited 5–7 minute presentations. Time was available for questions from the audience. In general, with the increased demand for session slots at the Annual Conference by the Civil Engineering Division, this model for sessions should be considered for future conferences.

Session 2615 – Who Should Teach the BOK

Chair: Norm Dennis

Five great papers were presented in this session, all reporting on issues relating to engaging both traditional and non-traditional faculty in teaching civil engineering students. Ron Harichandran from Michigan State University explored the hiring trends of various universities across the country, focusing on the ability of new hires to become licensed professional engineers. James Maccariella, a practicing structural engineer and adjunct professor at Rowan University, related his experiences in bringing elements of professional practice to the classroom. Waddah Akili, a retired practicing engineer with 38 years of academic experience, discussed issues he faced in motivating new tenure track faculty to work with practitioners to teach the professional components of the BOK. Jennifer Large-Seagrave, a Ph.D. Candidate in English from the University of Utah, discussed her experiences in using multidisciplinary teams in CE classes to teach communication, ethics and leadership. Finally, Randy Dymond from Virginia Tech reported on a grass-roots effort by practitioners in the land development community of Virginia to assist in curriculum development and attract students to the study of land development. From these presentations it was clear to the audience that CE programs across the country are embracing the BOK and exploring innovative ways to integrate it into their respective curriculums.

Session 3115 – Training Faculty to Teach CE

Chair: Decker Hains and Steve Ressler

Session 3115 was conducted on Wednesday morning, June 27, and focused on Training Faculty to Teach Civil Engineering. Wilf Nixon began the session by presenting the results of a survey he conducted through the Department Heads listserv focusing on faculty development opportunities (“A Survey of Faculty Development Activities in Civil Engineering”). The range of faculty development activities was from none to extensive (more programs with little in the way of faculty development programs). Those with extensive programs usually have the necessary funds to support 1-2 travel opportunities for faculty. Many department heads are supporting their faculty in their attendance at the ExCEED Teaching Workshop. The next two papers also used the Department Head listserv to collect information. Ron Welch followed with his survey results on adjunct faculty training and what they would like to have (“Training for Adjunct Faculty”). As expected the number of programs that actually offer sincere active training for adjunct faculty is almost zero. There are a number of programs that do offer mentorship. Interestingly, it is the community colleges that offer the most extensive training opportunities. Many require an adjunct faculty member to obtain a teaching certificate within the first two years of employment. Al Estes focused on the training the new department heads might receive and what the training should include if it was developed by the department heads council (“Orientation for New Department Heads”). Of course, the trend followed with few if any new department heads getting training let alone an orientation as to what they should be focused on. The Department Heads Council did use the results to provide a session for new department heads that provided some coverage of the topics needed by new department heads. Decker Hains finished the session by presenting the challenges for programs and faculty based on the ongoing review of the Body of Knowledge and the new BOK 2 (“Teaching the BOK – Challenges for Faculty and Programs”). The real issue is whether the current faculty on staff have the required skills to teach many of the topics now seen as necessary coupled by the fact that programs cannot offer a single course for each topic.

Session 3215 – Civil Engineering in the Classroom (Poster Session in Exhibit Hall)

Chair: Ron Welch

The outstanding session was held in the exhibit hall on Wednesday morning and all four authors had numerous CE division members visiting and asking many probing questions. One of the authors mentioned to me that she had more questions and interaction there than would have been possible in a normal session. So true! Interestingly, the Emerging Trends poster session is probably going away and we will be keeping more of our great papers that do not fit into one of our proposed sessions in this poster session in the future. Keep in mind that the same review process is used for all of our sessions, poster or not. Thanks for all that stopped by – keep this session in mind as a wonderful place to hear more about CE education tips and activities.

Session 3515 – Effective Learning Innovations in Civil Engineering Courses

Chairs: James Hanson and Kevin Sutterer

This late Wednesday afternoon session was well attended. The "rapid-fire" format allowed the audience to learn a little about 9 different projects under way in Civil Engineering Education. Nearly all of the presenters allowed time for and entertained multiple questions, and the discussion after the session adjourned between speakers and the audience was lively. Many attendees agreed this type of session efficiently exposed them to a broad range of innovative CE course work and encouraged them to take time to review the papers on the Annual Meeting CD.

Session 3615 – Implementing the Civil Engineering Body of Knowledge into Courses and Curricula

Chairs: Kevin Sutterer and James Hanson

Despite being the last session on the last day of the Annual Meeting, over 30 were in attendance for this session, assuring good attendance for all CE events throughout the Annual Meeting. Three papers addressed how the cross-cutting issues of leadership, sustainability, and infrastructure fit into the BOK, while a fourth paper addressed means to facilitate learning of most any topic in the BOK through the use of case studies. There were numerous questions for each speaker and continued extensive discussion after the session adjourned.

2007 CE Division Awards

The following Civil Engineering Division awards were presented at the Civil Engineering Division Banquet at the Annual Conference in Honolulu. See photos on page 7.

The **George K. Wadlin Distinguished Service Award** was presented to COL **Stephen J. Ressler** from the **United States Military Academy**. This award recognizes sustained and distinguished service to the Civil Engineering Division of ASEE, support of its activities and notable contributions to civil engineering education. A list of past winners for this award is provided below.

COL Stephen J. Ressler was also the recipient of the **Glen L. Martin Best Paper Award** for his paper, "*Progress on Raising the Bar— New CE Accreditation Criteria.*" The paper is included in the proceedings of the annual conference. The Glen L. Martin Best Paper Award is given for the best paper on a topic in civil engineering education. Eligible papers include, but are not limited to, those published in the ASEE Annual Conference Proceedings. Recipients are awarded engraved plaques. The award is presented at the Civil Engineering dinner on Tuesday night of the conference for the best paper the year prior.

The **Gerald R. Seeley Award** was presented to **Decker Hains** of the United States Military Academy for his paper entitled: "*Teaching the BOK- Challenges for Faculty and Programs.*" The Gerald R. Seeley Award is awarded to a civil engineering faculty member with five or fewer years of teaching experience. The basis for selection is the quality of a paper submitted for presentation at the upcoming ASEE Annual Conference. The Award consists of a \$500 reimbursement for conference registration and attendance at CE Division social events and business meetings, as well as an ASEE certificate. The award is presented at the Civil Engineering dinner on Tuesday night of the conference for the best paper that conference.

George K. Wadlin Distinguished Service Award – Past Winners

1987	George K. Wadlin	1994	Frederick W. Beaufait	2001	Richard O. Anderson
1988	Peter G. Hoadley	1995	E. Walter LeFevre	2002	Vincent P. Drnevich
1989	Glen L. Martin	1996	Daniel J. McGinley	2003	Thomas A. Lenox
1990	Ronald W. Eck	1997	Gerald R. Seeley	2004	Howard C. Dunn, Jr.
1991	Marvin E. Criswell	1998	William J. Wilhelm	2005	Alan L. Prasuhn
1992	Colby V. Ardis	1999	Donn E. Hancher	2006	James M. Nau
1993	James F. McDonough	2000	William E. Kelly	2007	Stephen J. Ressler

CE Division Awards and Banquet in Honolulu



Gerald R. Seeley Award
Decker Hains



Glenn L. Martin Best Paper
Stephen J. Ressler



Exceed New Faculty Excellence in Teaching
Decker Hains, Kevin C. Bower,
and Charles Newhouse (L to R)



ExCEED Leadership Award
Jeffrey S. Russell



George K. Wadlin Distinguished Service Award
Stephen J. Ressler



Ron Welch and his session moderators!

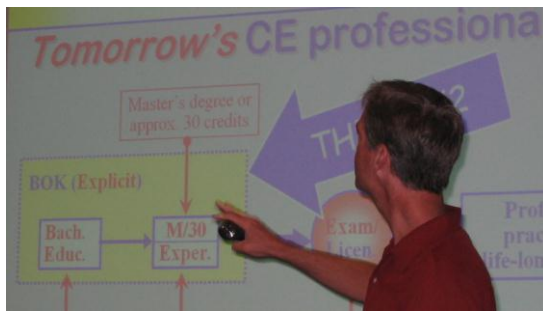


The George K. Wadlin Award Winner
Steve Ressler enlightening us all



Having fun at the Awards Banquet

CE Division Sessions in Honolulu



Historian's Report

Thomas A. Lenox, ASCE <tlenox@asce.org>

CE Division's Historical Files

The files in my possession include many administrative documents (agendas, minutes, and treasurer reports), past newsletters, and approximately 120 copies of the booklet *ASEE Civil Engineering Division – Divisions Chairs 1935-1993*. The documents have been sorted and filed. These files are fairly complete for the period from 1975 to the present. There are no documents on file for any date prior to 1975.

Database of Officers Since Academic Year 1975

I am maintaining a database of Division Officers between 1975 and the present. This database is available to any member of the Division upon request.

Inventory of Division Newsletters

In reviewing the historical files of the Division, I concluded that our semiannual newsletters are an extremely valuable source of historical information for the Division. Unfortunately, a few of the newsletters are missing: Spring 1985, Spring 1990, Fall 1990, Spring 1991, Spring 1996, Fall 1997, Fall 2003, and Spring 2004. Donations will be gratefully accepted by the undersigned. **Last year, we scanned our entire inventory of newsletters into PDF files.** This inventory is posted at http://engineering.citadel.edu/ASEE_CE_Division.htm. Thanks to Michael Woo for accomplishing this work in September 2006.

Distribution of *ASEE Civil Engineering Division – Divisions Chairs 1935-1993*

Single copies of *ASEE Civil Engineering Division, Division Chairs, 1935-1993* will be distributed free of charge to any Division member upon request. I will insure that at least ten copies of this booklet are retained as part of the Division's historical files.

Supplement to *ASEE Civil Engineering Division – Divisions Chairs 1935-1993*

We have been preparing for a future supplement to *ASEE Civil Engineering Division, Division Chairs, 1935-1993*. The original booklet was prepared in commemoration of the ASEE Centennial. The next supplement should include the pictures and biographies of all Division Chairs for the years since 1993. I have been following a format that parallels that used in the original booklet. I have been able to obtain a short biographical sketch from all of our Past Chairs between 1993 and the present – and an acceptable head-and-shoulders color picture from all but two. The Division should consider whether it is now appropriate to have a more “dynamic” Division Chairs document – posted to a Division web site and updated annually.

Civil Engineering Division Trivia

Thomas A. Lenox, ASCE <tlenox@asce.org>

25 Years Ago (AY 1981-1982)

- The Division Chair was Marvin Criswell of Colorado State University.
- The Program Chair was James McDonough of the University of Cincinnati.
- The annual conference was held at Texas A&M University.
- A banquet was held on Tuesday evening – George Wadlin entertained the attendees with several quasi-politically-incorrect jokes.
- The Division's annual expenses included \$42.09 for mailing the Fall newsletter.

20 Years Ago (AY 1986-87)

- The Division Chair was Gerry Seeley of Valparaiso University.
- The Program Chair was Mardy Thomas of Iowa State University.
- The annual conference was held at the Bally Grand Hotel in Reno, Nevada.
- George Wadlin, retired in October as ASCE's Director of EDEX, moved to Northern Maine.
- A banquet was held on Tuesday evening – George Wadlin entertained the attendees with several quasi-politically-incorrect jokes.
- The Division's annual expenses included \$61.45 for mailing the Fall newsletter.

15 Years Ago (AY 1991-1992)

- The Division Chair was Ed Reitz of the City University of New York (CCNY).
- The Program Chair was Fred Beaufait of Wayne State University.
- The annual conference was held in Toledo, Ohio.
- The Division's annual expenses included \$248.44 for mailing the Fall newsletter.

10 Years Ago (AY 1996-97)

- The Division Chair was Howard (Nugget) Dunn of the US Coast Guard Academy.
- The Program Chair was Tom Lenox of the US Military Academy.
- The annual conference was held in Milwaukee, WI.
- A banquet was held on Tuesday evening – Bill Wilhelm entertained the attendees with several quasi-politically-incorrect jokes.
- The Division's annual expenses included \$321.08 for mailing the Fall newsletter.

5 Years Ago (AY 2001-2002)

- The Division Chair was J. P. Mohsen of the University of Louisville.
- The Program Chair was Steve Ressler of the US Military Academy.
- The annual conference was held in Montreal, Canada.
- A banquet was held on Tuesday evening – Bill Wilhelm entertained the attendees with several quasi-politically-incorrect jokes.
- The Division's annual expenses included \$447.13 for mailing the Fall newsletter.

ASEE Civil Engineering Division Leadership 2007-2008 (as of September, 2007)

Name	Position	Institution	E-mail	Phone
Ronald W. Welch	Chair	Univ. of Texas, Tyler	Ronald_Welch@uttyler.edu	(903) 566-7002
Dennis Fallon	Vice Chair & Program Chair	The Citadel	Dennis.Fallon@citadel.edu	(843) 953-6588
Kristen Sanford Bernhardt	Past Chair	Lafayette College	sanfordk@lafayette.edu	(610) 330-5584
Norman D. Dennis	Senior Director	University of Arkansas	ndennis@uark.edu	(479) 575-2933
Kevin G. Sutterer	Midterm Director	Rose-Hulman Inst. of Tech	sutterer@rose-hulman.edu	(812) 877-8959
Shashi S. Nambisan	Freshman Director	Iowa State University	shashi@iastate.edu	(515) 294-8103
Yusuf A. Mehta	Secretary-Treasurer	Rowan University	mehta@rowan.edu	(856) 256-5327
Thomas A. Lenox	Historian	Am Soc of Civil Engineers	tlenox@asce.org	(703) 295-6191
Matthew W. Roberts	Newsletter Editor	Univ. of Wisc.-Platteville	robermat@uwplatt.edu	(608) 342-1535
Michael H. Woo	Webmaster	The Citadel	woom@citadel.edu	(843) 953-7697
Committee Chairs				
Jim O'Brien	ASCE Liason	Am Soc of Civil Engineers	jobrien@asce.org	(703) 295-6055
Wilf Nixon	Awards	University of Iowa	wilfrid-nixon@uiowa.edu	(319) 335-5166
Shashi Nambisan	Educational Policy	Iowa State University	shashi@iastate.edu	(515) 294-8103
Peter Hoadley		Virginia Military Institute	HoadleyPW@mail.vmi.edu	(540)464-7331
Steve Ressler	Effective Teaching	U. S. Military Academy	Stephen.Ressler@usma.edu	(914) 938-3615
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Jim Nau		North Carolina State Univ.	nau@eos.ncsu.edu	(919) 515-7737
Kristen Sanford Bernhardt	Nominating	Lafayette College	sanfordk@lafayette.edu	(610) 330-5584
Brock Barry	Professional Practice	Purdue University	bbarry@purdue.edu	(765) 494-9713
Keith Plemmons		The Citadel	keith.plemmons@citadel.edu	(843) 953-7677

Call for Papers: ASEE Annual Conference, Pittsburgh, PA, June 22-25, 2008

The **CIVIL ENGINEERING DIVISION** invites submission of abstracts on any topic related to civil engineering education. Topics of interest include, but are not limited to:

- New ideas included within the *Second Edition of the Civil Engineering Body of Knowledge (BOK) for the 21st Century* and that discuss initial developments in incorporating this refined BOK into improved civil engineering curricula, modified accreditation criteria, and pre-licensure experience guidelines, and highlighting the work of the new BOK Educational Fulfillment Committee;
- Curricular and co-curricular components such as engineering topics, ethical, social, cultural and business aspects to educate students for the global community, including the physical infrastructure, delivery mechanisms and programs, international corporations and partnerships, and opportunities to prepare students to work in developing nations;
- Global connection of the civil engineering profession with industry, job security and a flat world, industrial/global standards and traditional as well as capstone courses, the direction of the civil engineering profession, and producing industry ready civil engineers and leaders in a global economy;
- Technological advances in remote field and laboratory experiences that describe “works in progress” or establish “works” in the use of technology to facilitate remote control of laboratory experiences in civil engineering education, the use of technology in advancing the "lecture" courses delivery, abstracts describing *works in progress* or *establish works* in technological advances including wireless technology, distance learning, and remote teaming;
- Fun activities that engage and inspire students while also contributing to their learning environment with an emphasis on the fun activities in upper division courses;
- Innovative teaching methods which are pedagogically sound to appeal to different learning styles (authors are expected to demonstrate their techniques in their presentation at the conference);
- LEEDing Green Design, including what is green design, how one incorporates green design in a capstone course, incorporating green design across the curriculum, economics of green design, and teaching towards LEED accreditation of students.

Abstracts should be approximately 500 words in length and should provide a clear statement of the objective, its relevance to the civil engineering community, assessment methods and results.

Authors of accepted abstracts will be invited to prepare a full paper for peer review for publication in the conference proceedings. Papers will be expected to demonstrate an appropriate level of scholarship. With the exception of invited panels, the Civil Engineering Division requires that a paper be accepted for publication in the conference proceedings if it is to be presented at the annual conference (publish-to-present).

For more information, contact:

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