



Engineers' Club of Philadelphia

Founded in 1877



***2009
ANNUAL
REPORT***



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A MESSAGE FROM THE PRESIDENT Eric L. Flicker, P.E.

As we look back on the 2008-09 administrative year at your Club, I reflect back on our goal to be “the coalescing element of the Delaware Valley engineering community”. It is easy to document our accomplishments and also to list the challenges still before us. The best measure is to see a direction of development and improvement- trends in the right direction where success breeds success. Such is clearly the case here at the Club.

We started the year with a newly adopted Strategic Plan which set a direction for us. We continue to develop and refine the Plan and to further understand the best relationship of the Club and Engineers’ Week.

A strengthened and directed committee structure has been responsible for many individual successes which have aggregated into significant achievements. I will use the committee structure to sort out these results.

- **Membership-** We have recruited 8 corporate members which has both expanded our dues revenue and increased the number of individuals on the roles. We have started a Student Chapter at Temple with a second close behind at Widener.
- **Professional Development-** We have expanded from our strong base of course offerings and have even more variety in the final stages of development.
- **Affiliate Affairs-** We have conducted one successful multi-organization Summit with another scheduled for May. The early results included a coordinated calendar and scholarship listing. We have developed more multi-organization meetings.
- **Administrative-** We have implemented new association management software to manage our membership records and to engage in e-Commerce. We have completed and introduced a new website which provides the backbone of our collaborative and communications efforts.
- **Marketing and Communications-** We have developed a new look and brand which is carried through all of our materials, including this report. We have established a variety of means for regular communication, while being able to get short-notice information to our membership.
- **Engineers’ Week-** We have made good progress at both implementing our coordinated efforts as well as supporting the programs using the Club’s expanded staff.

Our Board has provided a coordinated direction, leaving the implementation to an active and growing committee structure. I thank all of those involved and look forward to more involvement of others. Each of the chairs will report separately in more detail of both past accomplishments and current activities

I want to give credit to Diane Conway and Dick Mulford, as our full time staff, who were the glue that made for this cohesive effort.

I look forward, in the second year of my term, to further development in serving our profession and showcasing it in the community. We need to get the respect we deserve for our contributions and also to attract our successors into engineering careers. Working together will bring unparalleled opportunities. I am excited about this future for both the profession and the Club.

Regards,
Eric L. Flicker, PE



A MESSAGE FROM THE EXECUTIVE DIRECTOR

Diane Conway, Ph.D.

As I look back to last year's message, the central theme was the rebirth of the Club. At that time, we were in the process of crafting a strategic plan to provide a blueprint for the Club regaining its status as the "Engineering Center of the Delaware Valley". Many things have occurred since then.

The strategic plan has been finalized and has begun to be implemented. As the strategic planning process is dynamic, the Club has established a strategic planning committee to monitor progress and ensure the Club's future course continues to serve, strengthen and coalesce the engineering community in the Delaware Valley. Later in this report, you will find a detailed update on the strategic plan.

Last year's annual report provided information about the newly formed committee structure. The new committee structure was designed to give members a variety of opportunities to become actively engaged in the Club. Contained later in this report are updates from each committee describing their accomplishments. Over the past year, the Club has merged with the Delaware Valley Engineers Week Council. The Council is now a committee of the Club with the continued purpose of planning events, awards, activities and celebrations related to Engineers Week. The Club fully embraces this new committee, its members and the work it does to help promote the engineering profession not only during Engineers Week, but throughout the entire year. I urge all ECP members to become active in a committee as each one is doing work critical to the engineering profession.

Over the past year, the Club has focused on communication with its members. This is the second annual report the Club has issued. I believe it is full of information about the Club's accomplishments throughout this past year. These accomplishments are the result of the combined efforts of the ECP Board, staff, volunteers and members.

INCOME STATEMENT COMPARISON

ENGINEERS' CLUB OF PHILADELPHIA

FINANCIAL REPORT STATEMENT OF OPERATIONS

	2008 Strategic Plan Projection	2008 Actual	2009 Strategic Plan Projection	2009 BUDGET
<u>INCOME</u>				
Total Dues	\$30,000	\$28,700	\$61,500	\$50,000
Total Contributions	\$5,000	\$3,830	\$5,250	\$5,000
Meetings (Net)	\$0	(\$6,204)	\$0	\$0
Education (Net)	\$20,000	\$15,781	\$46,000	\$40,000
Young Engineers' Forum (Net)	\$1,000	\$1,011	\$1,050	\$1,000
Interest Income	\$22,000	\$25,310	\$18,000	\$18,000
Engineering Tours (Net)	(\$500)	\$634	(\$525)	\$0
Other	\$0	\$78		
Affiliate Services	\$1,000	\$171	\$2,050	\$12,500
<u>TOTAL INCOME</u>	<u>\$78,500</u>	<u>\$69,312</u>	<u>\$133,325</u>	<u>\$126,500</u>
<u>EXPENSES</u>				
Rent	\$14,000	\$11,280	\$14,700	\$12,700
Office Expenses	\$21,850	\$22,503	\$22,943	\$17,500
Staff	\$109,950	\$101,920	\$143,527	\$145,000
Technology	\$700	\$1,276	\$2,235	\$1,500
Furniture & Appliances	\$500	\$0	\$525	\$0
Who's Who Printing	\$2,400	\$0	\$2,520	\$0
Business Insurance	\$750	\$1,417	\$788	\$1,500
Consultants	\$1,000		\$1,050	\$500
Other	\$2,500	\$6,504	\$2,625	\$2,500
Strategic Plan Development	\$1,000	\$0		
Investments				
Additional Staff	\$21,540	\$16,159		
Website Development	\$8,000	\$2,500		
Software	\$2,375	\$2,900		
Branding	\$2,000		\$2,000	
<u>TOTAL EXPENSES</u>	<u>\$188,565</u>	<u>\$166,458</u>	<u>\$192,913</u>	<u>\$181,200</u>
<u>SURPLUS/ (DEFICIT)</u>	<u>(\$110,065)</u>	<u>(\$97,147)</u>	<u>(\$59,588)</u>	<u>(\$54,700)</u>

2008 BALANCE SHEET

ENGINEERS' CLUB OF PHILADELPHIA

FINANCIAL REPORT

BALANCE SHEET

						Net*						Net*	
	Price/		12/31/2007	Price/		12/31/2008	Cash	Change in	Price/		1/31/2009	Cash	Change in
	Shares	Share	Total	Shares	Share	Total	Withdrawal	Market Value	Shares	Share	Total	Withdrawal	Market Value
Checking/Money Market Balance			\$27,326			\$29,869		\$2,543			\$34,339		\$4,471
Vanguard Long Term Treasury Bond	31548.367	\$11.50	\$362,806	33266.888	\$13.38	\$445,111		\$82,305	33371.096	\$12.21	\$407,461		(\$37,650)
Vanguard Life Strategy Modest Growth Fund	10613.527	\$21.21	\$225,113	3646.625	\$15.08	\$54,991	\$99,690	(\$70,432)	3646.625	\$14.13	\$51,527	\$0	(\$3,464)
Vanguard Energy Fund	415.864	\$82.39	\$34,248	443.381	\$44.13	\$19,566		(\$14,682)	443.381	\$42.62	\$18,897		(\$670)
TOTAL INVESTMENTS			\$622,167			\$519,668	\$99,690	(\$2,809)			\$477,885	\$0	(\$41,784)
TOTAL			\$649,493			\$549,537	\$99,690	(\$266)			\$512,224	\$0	(\$37,313)
Accounts Receivable			\$328			\$6,510					\$12,014		
TOTAL ASSETS			\$649,821			\$556,047					\$524,238		
TOTAL LIABILITIES			\$0			\$0					\$0		
NET WORTH			\$649,821			\$556,047					\$524,238		

* 2008 Total Withdrawal- \$125,000 less Income Reinvested- \$25310 = \$99690

UPDATE ON THE ENGINEERS' CLUB STRATEGIC PLAN

Diane Conway. Executive Director

A year ago, after an extensive planning process, the Club finalized its first strategic plan. Any strategic plan is only effective if implemented and monitored. In order to accomplish this, the ECP Board established a strategic planning committee. This committee has been active throughout the year, fulfilling its purpose of monitoring the Club's progress.

The Plan

The plan focused on four different areas: Membership, Professional Development, Becoming the Engineering Center of the Delaware Valley and creating a sustainable workforce through increasing the number of students entering STEM (Science, Technology, Engineering and Math) education.

Membership

A "snapshot" of the Club's membership a year ago was a rather homogeneous group of 300 individuals. Most of the Club's membership, at that time, was comprised of individual civil engineers over the age of 50. While this is an extremely important cadre of the profession, the Club realized it was under serving the engineering community. The goal established in the strategic plan was to increase and diversify the Club's membership. The Club took this goal very seriously and began efforts to accomplish it by starting at the top with the Board. The Board now has representatives from more engineering disciplines to ensure each gets a voice in the Club's policy making decisions. The Membership Committee report further details the accomplishments in this area.

Professional Development

The Club has had an Educational Program for a long time. We are taking a broader view of education and using the term professional development to encompass the many different activities and ways an engineer can improve both their professional knowledge and skills. The strategic planning goal in this area is to increase the attendance at the ECP professional development programs. In order to accomplish this, the Club has begun offering new topics and venues to better accommodate the professional development needs of not only its membership, but also the engineering community in the Delaware Valley. The Professional Development Committee report further details the accomplishments in this area.

Become the Engineering Center of the Delaware Valley

Over the past decade, many specialty areas have developed resulting in a fragmentation of the engineering profession. The goal for the Club in this area is to become the coalescing agent of the profession, bringing the various disciplines together to form a united voice and a united effort on critical issues within the engineering community. There has been a lot of progress in this area including a new website and software, enhanced e-communications to the ECP membership and affiliate societies, hosting a leadership summit of all Delaware Valley technical and professional societies, and merging with the Delaware Valley Engineers Week Council. Details of all these accomplishments can be found in the Affiliate Affairs, E-Week and Administrative Committee reports.

Create a Sustainable Work Force

Currently and in the foreseeable future, there is significant concern on many levels (corporate, government, academia) that there are not enough people choosing a career in engineering. Although the results in this area will be longer term and not observed in the near future, The Club is addressing this by focusing on promoting science, technology, engineering and math (STEM) education in the K-20 system. The Club is actively participating in regional and statewide efforts to increase the number of students entering the STEM education curriculum. This will be critical in building the work force of the future. For more information on STEM visit the ECP website @ engrclub.org.



A REPORT FROM THE ADMINISTRATIVE COMMITTEE

Carol Martsof, P.E., Chair

The Administrative Committee was one of the most active committees in 2008. The Administrative Committee was tasked with researching and launching a new website, to enhancing membership benefits and facilitating member registration for meetings. The entire process included: researching professional society best practices; sending out a request for proposals; reviewing website proposals and developing a shortlist; having conference calls with the shortlisted website providers; and then choosing one of them. The work did not stop there.....once the firm was selected, months and months were spent developing content and enhancing functionality so it would be the most efficient and user-friendly for our members.

In addition to developing a website for members, we also contracted with a company that focuses on association management through the web. This association management software will enable the Club to track members, contacts, committee work assignments, and much more, so that the Club can better serve its members and attract more members.

In summary, the Administrative Committee spent 2008 developing web-based tools to better enhance how the Club serves its members.



A REPORT FROM THE ENGINEERS WEEK COMMITTEE

Susan Best, P.E., Chair

The planning for the 2009 celebration of Engineers Week was a year of transitions, as we moved from having the events planned and operated by the Delaware Valley Engineers Week Council to a committee of the Engineers Club. Throughout the process, the committee evaluated the activities and process for potential changes, while maintaining the organizational structure of the Council. I would like to thank Dianne Dorland, PE, PhD, for her excellent guidance during this transition.

One of the changes that was made as part of this transition is that the Engineer of the Year will no longer be required to chair for the planning of the next year's celebration. This will allow the EOY to focus his/her efforts on being the voice of engineering in the Delaware Valley and more strategic activities.

As we move forward as a committee of the Club, we will be developing some strategic plans related to the events of Engineers Week and the planning of those events. We always look to improve the celebrations, involve more of the engineering community, and promote greater visibility of engineering to the general public.

The awards selected for presentation during Engineers Week 2009 are:

Engineer of the Year (selected by the engineering and technical societies of the Delaware Valley)
David S. Lowdermilk, PE, *Pennonni Associates Inc.*

Delaware Valley Engineering Hall of Fame, Class of 2009
Ralph Modjeski, *Original Pioneer of American Bridge Engineering*

Young Engineer of the Year
Joseph A. Platt, PE, *Traffic Planning and Design, Inc.*

Outstanding Engineering Achievement (selected by the Philadelphia Chapter, PSPE)
Wind Tunnel Modernization Project, *the Boeing Company, Rotorcraft Division*

Notable Engineering Achievement (selected by the Philadelphia Chapter, PSPE)
LaSalle University Pedestrian Bridge West Campus Expansion Project, *Urban Engineers, Inc.*

Outstanding Science Teacher

Kathleen Nolan, Austin Meehan Middle School, Philadelphia, PA

Outstanding Math Teacher

Kathleen A. Davidson, Chestnut Hill Academy, Philadelphia, PA

Undergraduate Student Paper Awards

- David Bober & Thomas Kelleher, Swarthmore College: *Bicycle Spoke Fatigue*
- Kyle Denny, Cameron Corini, & Salvatore Randazzo, Rowan University: *Evaluation of the Compaction Characteristics of Unbound Material Using the Superpave Gyratory Compactor*
- Patrick Callahan, Kelly Meighan, Kristin O'Neil & Robinson Eng, Drexel University: *Portable Piezoelectric Phone Charger*
- Megan Hums, Widener University: *Controlled Release [of Pharmaceutical Drugs]*
- Luke Wiencek, Widener University: *Heat Transfer into a Hot Dog*

Engineers Week / American Society of Civil Engineers Scholarship

Brent A. Cole, Rowan University

Engineers Week Undergraduate Scholarships

HaeJi Choi, Drexel University

Derek S. McClung, Mercer County Community College

High School Student Award

Dante Galzarano, Julia Reynolds Masterman High School, Philadelphia, PA

Delaware Valley Science Fairs Outstanding Project Award

Michael Anderson, Anderson Home School, Cologne, NJ: *A Method for the Internal Morphing of Wings*

Philadelphia Region Future City Competition

Kutztown Middle School, Kutztown, PA

Students: Trevor Kaneskies, Amanda Miller, Samuel Summer

Teacher: Betty Imboden

Mentor: Tom Green





**A REPORT FROM THE
AFFILIATE AFFAIRS COMMITTEE
James Markham, P.E., Chair**

The Affiliate Affairs Committee has been meeting regularly with the goal of achieving new means of helping all of the engineering societies in the Delaware Valley work together on those things that we have in common. Our goals are:

- Develop opportunities for the Club to act as a conduit for the coalescence of the greater Philadelphia engineering community.
- Cultivate partnerships with other technical and professional societies around common areas of interest.
- Advance services offered by the Club that will assist other technical and professional societies in the greater Philadelphia area.

The first step towards achieving these goals was to conduct a summit of leaders from the various technical and professional societies from around the Delaware Valley. At that summit, we solicited feedback as to how the Engineers Club could assist in those things we all have in common.

From that meeting we began to focus on facilitating joint meetings – largely through the use of the new web-based calendar on our website, and joint promotion of scholarships – also largely through the new webpage.

Looking forward, we intend to further identify needs of the technical and professional societies that the Club is in a position to help address.



**A REPORT FROM THE
MARKETING COMMITTEE
Diane Conway, Ph.D., Acting Chair**

The Engineers' Club Marketing Committee has been busy this year fulfilling its purpose of promoting awareness of the Engineers' Club and issues of importance to the engineering community to the Club members, general public and government officials with many different projects. The committee began its work by looking at the basics – the Club's name and logo. While there was a lot of discussion about whether to change the Club's name, in the end, the name will remain the "Engineers' Club of Philadelphia" (ECP for short). It is well recognized and has become a trademark of the Club serving to incorporate its rich history with the future path it will take. The committee, however, was instrumental in designing the Club's new logo which was unveiled last December. The logo serves as an identifying feature and is critical to the Club's "branding" efforts.

The next project the Marketing Committee tackled was working together with the ECP Administrative Committee to redesign the website. The vision for the website was to become the "Engineering Website of the Delaware Valley". The Marketing Committee played a critical role in designing the look of the new site focused on providing a professional, functional, information packed, user friendly electronic engineering resource for not only the ECP membership, but also the general public. The new website became operational in January. The Committee will continue to tweak the site to further enhance its usefulness for the membership.

The final focus of the Marketing Committee was the Club's communications. Focused on upgrading the Club's professional appearance, the committee helped redesign the newsletter and other Club publications. Another major feature of the new communications approach is the interactivity with the Engineers' Club website. The intention is to provide a total package to keep the ECP membership updated on all current engineering events and information.

I would be remiss if I did not thank the members of the ECP Marketing Committee for all their splendid efforts to increase the quality of the Club's communications. I hope that you have and will continue to enjoy the fruits of those efforts as you receive ECP newsletters and browse the ECP website.

Finally, I urge invite you to consider joining the ECP Marketing Committee



A REPORT FROM THE MEMBERSHIP COMMITTEE

Ruben David, P.E., Chair

The ECP Membership Committee has focused on increasing and diversifying the ECP membership as this is one of the key goals of the strategic plan. Here are some of the results of the committee's efforts:

Individual Membership

While building membership is critical, retaining members is just as important. The membership committee has been looking at member benefits to make sure the Club continues to provide valuable services. In the past year, the Club focused on increasing communication with its members. Through the work of the various committees, the Club has:

- developed a new communications plan,
- redesigned the look and format of the newsletter while also increasing the number of newsletters produced
- redesigned the Club's website to provide a professional looking, information packed, site with additional services such as online registration for events and a "members only" section which provides members with a place to keep information updated in a safe protected area.

The Club continued some of its traditional services such as meetings, professional development opportunities, scholarship eligibility and technical tours. The ECP Professional Development Committee looked to improve these services and produced additional and diversified courses, workshops and seminars. As for meetings, the Club has focused on offering more joint meetings with other technical and professional societies. We hope these joint meetings will alleviate the overscheduled calendar of meetings in the engineering community while providing attendees with richer networking opportunities.

Corporate Membership

The committee established and "kicked off" the Club's new corporate membership in December. Corporate membership is specifically designed for companies who employ engineers. There are three levels of corporate membership a company can choose from depending on their specific corporate needs. The incorporation of corporate membership nicely complements the individual membership program. Within the first month of offering the corporate membership, three companies joined. We welcome them and look forward to continuing to build our corporate membership program.

Student Chapters

The committee also established a Student Chapter Membership Program. This is specifically designed to serve students at local universities and colleges. Temple University was the first student chapter established. We welcome the addition of the students into the Club as they are the future of the profession. In the coming year the Club will look to establish other chapters.

For more information on membership programs at the Club please visit our website @ www.engrclub.org



A REPORT FROM THE PROFESSIONAL DEVELOPMENT COMMITTEE Bob Wright, P.E. Chair

The purpose of the ECP Professional Development Committee to advance the professional development of the technical and engineering community in the greater Philadelphia area through the various educational services offered by the Club.

The primary duties of the committee are to:

- Advance the course offerings through the Club's Educational program to enhance the knowledge of technical and engineering professionals in the greater Philadelphia area.
- Promote seminars throughout the year to engineers and technical professionals in all disciplines to upgrade their skills.
- Develop opportunities to tour facilities of technical and engineering interest to enrich the talent of those in attendance.
- Design other educational venues offered by the Club to assist technical and engineering professionals to increase their skills and knowledge of best practices.
- Evaluate the current educational programs for quality and effectiveness.

The committee accomplished this with the following activities in 2008:

- Continued to offer pertinent coursework in various areas/topics. Approximately 163 students participated in 15 courses offered.
 - Continued to explore partnerships with course providers to allow the Club to expand our program and serve other groups/individuals.
 - Outreach efforts have been conducted with several local firms which offer their own in-house coursework in an effort to expand this to those outside the firms.
 - Outreach contacts have been made with Community College of Philadelphia, Pratt Institute, and the Philadelphia Chapter of the American Institute of Architects in this vein.
 - Continued monitoring of professional development requirements for PE licensure in Pennsylvania.
 - Planned meetings with new providers to expand current programs and initiate additional 1-day or multi-day all-day seminars and courses, similar to the successful Financial Planning effort conducted in February.
 - The club also put together 7 tours with a total 165 participants.
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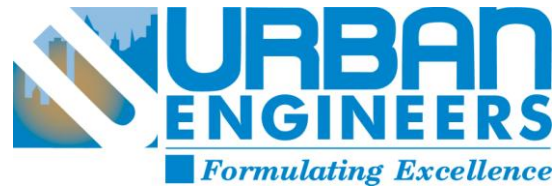
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