



Dean's Corner

It has been over a year since we sent you a KGCOE newsletter. (And you thought we had just misplaced your mailing address?) We sincerely regret the delay. Our only excuse is that we have been driven to distraction by all the

exciting things taking place within the Kate Gleason College of Engineering these days.

In the last newsletter, I spoke at length about our resolute focus on student success and the positive impact that this commitment has had on student retention. I am pleased to say that the KGCOE again achieved an 89% retention rate of freshmen entering its programs, exceeding the campus-wide average for the fourth consecutive year. We also are pleased that our aggressive efforts to attract women to the college are paying dividends. Indeed, we had another strong recruiting season last spring, and have 76 new women students entering our undergraduate programs this fall; an increase of almost 50% over the number of women who entered as freshmen two years ago. The freshman class entering the KGCOE this fall numbers 539, making it the second largest in the College's history, surpassed only by fall 2002 when we enrolled 547 freshmen. Last May, in addition to graduating record numbers of B.S. and M.S. engineering students, RIT also conferred four micro-systems Ph.D. degrees, raising the total to six graduates since the Ph.D. program was approved by NYS in November 2002.

The most notable recent event by far, however, is the initiation of construction for the new addition to the James E. Gleason building. Scheduled to open next June (2007), the new addition will focus on undergraduate curricular initiatives that set the Kate Gleason

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KGCOE 2005 Distinguished Alum Charles Volpe

The Kate Gleason College of Engineering honored Charles E. Volpe as our Distinguished Alumnus for 2005 last winter at the Distinguished Alumni Induction Ceremony. Chuck graduated from the mechanical engineering department with a Bachelor of Science degree in 1959 and spent the majority of his professional life at Union Carbide/KEMET. He joined the KEMET Electronics Division of Union Carbide Corporation in 1966 as a Sales Engineer. He was promoted to a regional sales manager covering the 11 western states two years later. The following year, with another promotion to Marketing Manager, he transferred to Greenville, SC. In 1970 Chuck moved to Geneva, Switzerland, to work as General Manager of the European operations. Under his leadership the European business grew from less than \$10 million and operating at a loss, to \$50 million and profitability. Chuck then returned to Greenville to head up all the international business in 1987.



That same year Chuck was part of the management group that purchased 50% of KEMET from Union Carbide. In 1990 a group of investors, including KEMET senior management and Citicorp Corporation, purchased the remaining KEMET stock. In 1992 Chuck and the CEO participated in the Initial Public Offering and in two subsequent secondary offerings. KEMET is a New York Stock Exchange listed company – KEM.

Chuck retired in 1996, leaving the company with revenues at \$634 million and net income at \$65 million. He remains a member of the KEMET Board of Directors and serves as a member of the executive committee.

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Other Board experience includes six years as a director of ENCAD Inc., a high tech San Diego company that was sold to Eastman Kodak in 2002. Chuck is a member of the International Business Fellows, a group of 500 people with an intense interest in international business.

Chuck was not born into success. His accomplishments have been hard earned. He was the first generation of his family to be born in the United States. His father left his home in Italy at age 16 to arrive alone in the US with nothing more than a suitcase in his hand. Chuck's father died when he was only six years old. His mother raised Chuck and his five older siblings in Manchester, NY. Here he learned responsibility at an early age. He earned money by working at a local bowling alley as a pin boy where he set 300 games a week for \$30. Chuck also earned excellent grades and knew the importance of education. He entered Red Jacket High School at age 12 and left for RIT on a scholarship at age 16, graduating five years later. The co-op program made college affordable and provided experience in the real world environment.

That real-world experience, combined with the engineering education he gained at RIT and his own innate intelligence and strong work ethic, helped Chuck achieve success in the business world. In 2003 Chuck and his wife Andrea demonstrated their faith in the education available at RIT by establishing the Charles E. and Andrea Volpe Scholarship. This generous gift provides for four years of RIT tuition for students from Red Jacket High School, Victor High School and Canandaigua High School. The scholarships are designated for students who otherwise could not attend college. At the time of this gift Chuck said, *"Our dream is that enough students will graduate through this scholarship that they in turn, together or individually, will give something back to RIT and to the hometown."* In addition, the Volpes have supported a FIRST robotics team at Red Jacket High School as another way to stimulate interest in engineering with the students in that area.

In 2004 Chuck and Andrea made a \$5 million pledge to RIT for engineering, engineering technology and com-

puting scholarships. The bequest is the largest ever from an RIT alumnus to the university. Chuck was named a founding member of RIT's Mechanical Engineering

Alumni Academy nearly two years ago, as he exemplifies the qualities of leadership and mentoring for our students in addition to financial commitment to RIT.

Chuck and Andrea now enjoy a well-earned retirement and reside in Charleston, SC., and Lake Toxaway, NC. They are active in the arts in Charlestown, travel extensively and

take pleasure in spending time with their five children and six grandchildren.

"RIT provided me a practical, hands-on-education vs. purely theoretical which helped me focus on achieving measurable results in my work."

I N T R O D U C I N G



We are delighted to announce the addition of a new staff member dedicated to serving KGCOE alumni. Eileen Galinski, who joined the Development and Alumni Relations staff this past winter, will be working to strengthen alumni ties with KGCOE by providing opportunities to reconnect with faculty, fellow alumni, and the college. Eileen returns to Rochester after spending a number of years in Connecticut, where she cultivated her development and alumni relations skills working for the National Audubon Society and serving as an alumni representative on the board of the Cornell Club of Fairfield County. Eileen holds a master's degree in Natural Resources Planning from UVM. She brings with her a good deal of experience and ideas on how to serve our ever expanding alumni base. She would be delighted to hear from you about things the college can do for you as alumni. Contact Eileen at 585-475-2944 or Eileen.Galinski@rit.edu.

KGCOE Events at Brick City Homecoming



KGCOE has more BCH events this year than ever before. Fascinating lectures, receptions geared to meet your specific interests, and our first ever reunion for our fabulous Formula Team - all are designed to entice you back to your RIT campus. For full details on all BCH events, go to <https://www2.rit.edu/brickcity/>. If you haven't been back for a while, you'll be amazed at the changes in the landscape. We'll see you in October!

Thursday, October 5

KGCOE Distinguished Speaker

Aspects of Statistical Consulting Not Taught by Academia

Ron S. Kenett, Professor—University of Torino, Italy.

Friday, October 6

College Networking Reception

This reception is open to all - KGCOE Alums are especially encouraged to attend.

Saturday, October 7

College Reception

This reception is open to all – current students and their families are especially encouraged to attend.



Product Development in the Global Supply Chain

Marcos Esterman, Assistant Professor

This talk will explore what it means to develop products and services in the context of the global supply chain.

Engineering Competencies for Global Product Development

Terry Clapham, 1998 Distinguished Alumnus

This presentation will examine the challenges faced by engineers in our complex global economy.



The ISE Golf Tourney

Open to all Industrial and Systems Engineering alumni, faculty, staff, students, and special guests.

Sundaes on Saturday

Kate Gleason College of Engineering Alumnae are invited to this networking event. Renew old friendships, visit with faculty, meet fellow alumnae, and make your own ice cream sundae!

Glory Days

Calling all Formula Team members! Revisit the greatest days of your college life. Renew old friendships and see some of your favorite professors. Enjoy some refreshments and maybe even take a little spin!



**Brick City
Homecoming 2005**

The 2006-2007 Kate Gleason College of Engineering Dean's Alumni Speaker Series

Dean Harvey Palmer and the Kate Gleason College are pleased to announce the inaugural Dean's Alumni Speakers Series starting this fall. The goal of the series of alumni presentations is to present our students with an ever broader range of real world examples of engineering practice while providing a forum to highlight some of the exceptional work and innovative developments of our distinguished alumni. This speaker series is generously sponsored by the KGC OE Development and Alumni Relations Office.

Speaking engagements will feature outstanding KGC OE alums across all of our engineering disciplines. An up-to-date schedule of presenters may be found by visiting the college's web site: <http://www.rit.edu/~630www/news/index.php3>. Your attendance at any, and all, of these events is most welcome.

All lectures will take place on Thursdays from 1:00-2:00 PM in the Xerox Auditorium (9/2580).

October 26, 2006

Bradley J. Fluke, Vice President – Silicon Labs, Inc.

November 9, 2006

Britta I. MacIntosh, VP, National Accounts-Federal Markets – Sempra Energy Solutions, Inc.

December 14, 2006

Bart G. Guerrerri, Board Chair and President – DSD Laboratories, Inc.

January 18, 2007

Stephen Marschilok, VP and General Manager – Harris Corp. R. F. Communications Division

February 1, 2007

Holly Hillberg, Director of Engineering and VP for Research and Development – Eastman Kodak Company

February 15, 2007

Cole Standish – Manager of the Engineered Shapes Department – Airtech International.

Date TBD

Richard Vattimo, Vice President – IBM Corporation

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College of Engineering apart from its competitors. In particular, the top floor of this three-story addition will include an 9600 sq. ft. interdisciplinary design center for teaching students how engineers turn ideas into reality, and how they develop products that uniquely meet customer needs. The second floor will be the new home for the Computer Engineering Department, which has doubled in enrollment over the last ten years. The first floor will provide new space for the Brinkman Machining and Manufacturing Center, with CNC machines co-located with the MechE manual machine shop, giving the College and its students excellent facilities to turn their creative ideas into fully functional prototypes. It is exciting to see the landscape of the College transformed day by day to expand the educational opportunities for our students, focusing on those elements which make RIT the best possible place to pursue an engineering education. The photos on the next page show the work in progress and the architectural renderings of the project, once completed.

Promotions

Dr. Vincent Amuso has been selected as the new department head for Electrical Engineering. Vinny takes over for Robert Bowman who will continue to teach after taking a brief sabbatical this fall.

Congratulations to the following faculty on their promotion to associate professor:

Dr. Daniel B. Phillips and Dr. Ferat E. Sahin in Electrical Engineering.

Dr. Andres Carrano in Industrial and Systems Engineering.

Dr. Elizabeth DeBartolo in Mechanical Engineering.

Dr. Steven LaLonde in the Center for Quality and Applied Statistics.

Three-Story Addition to the James E. Gleason Building A Work in Progress



This north entrance to the James E. Gleason Building no longer exists.

The building to the right of the construction is the new IT Collaboratory.



Northeast view of the new construction.



Here the three stories for the addition seem to dwarf the shop entrance.

The floors had just been poured when this photo was taken.



East View



Northeast View



Northwest View

Formula Team Scores Again!



In red shirt: Robert Doll (ME '05). Seated on left side of car: Erin Crowley. From the left behind car: Dave Donohue, Lawrence Litchfield, Jon Pickard, Ted Kusnierz, Rachel Belter, Ryan Baldi, Guy Szalkowski, Charles Thomas. Seated on right side of car: Anthony Capobianco. From the left side of car standing: Anthony Salvo, Laurie Underhill, Rob Hammond, Cole Standish (ME, '99) Will Rowland (ME '96). Seated in car: Matt Zimmer (ME, '06).

Rochester Institute of Technology's Formula SAE racing team won third place overall among 70 competitors in the inaugural Formula SAE West, June 14-17, at California Speedway in Fontana, CA. Several RIT alums were there to share in the glory as seen in the photo above!

In earning the high finish, RIT took fourth place in the endurance/fuel economy challenge and ninth place in auto-cross.

Earlier this spring, RIT placed 12th overall—and fourth in the endurance/fuel economy challenge—among 140 competitors in the 2006 Formula SAE competition, May 17-20, at Ford Proving Grounds in Romeo, MI.

The Formula Team has been making news and earning praise for 15 years at RIT. This fall the team will celebrate that milestone year with a reunion at Brick City Homecoming on Saturday, October 7. If you were on one of those teams, you won't want to miss this first ever reunion. So, mark your calendars and get ready to take a drive down memory lane!

Working Hard at Hardly Working!

When is retiring a lot like working? When your name is Charlie Haines, working and retiring bear a strong resemblance. Though officially retired in the spring of 2005, Charlie continues to be a valuable asset to the Mechanical Engineering Department, providing prospective students and their families with tours and presentations on life as an ME student at KGCOE.

Dr. Charles Haines had a long and richly varied career in academia. He came to RIT in 1971 and has taught mathematics or mechanical engineering, sometimes both in the same quarter, ever since. Before coming to RIT, he taught mathematics at Clarkson University and Rensselaer Polytechnic Institute. Dr. Haines's tenure at RIT has also included positions as Department Head for Mechanical Engineering, Acting Dean of Engineering, Associate Dean of Engineering, Assistant Provost, Mathematics Department Head, and chairman of the Institute Faculty Council.

Dr. Haines earned his A.B. (same as a BA) in mathematics and physics at Earlham College in Richmond, IN, and received his MS and Ph.D. in applied mathematics from Rensselaer Polytechnic Institute in Troy, NY. He did research for NASA, served as a review panelist for the National Science Foundation's professional development program and for the ONR (Office of Naval Research) graduate fellowship applications. He also worked as a consultant for Xerox in addition to publishing several books on mathematics.

Dr. Haines is considered the go-to-guy and resident expert for policy questions according to Dr. Richard Reeve, Associate Dean at KGCOE. "He will be missed for his teaching skills, his leadership activities, and for the depth and breadth of his knowledge of the Institute. Fortunately, he still stops in for coffee and conversation when he is here in the building

and I still have questions for him on occasion," says Dr. Reeve.

Though Dr. Haines will be "on call" occasionally for his unique expertise, he has some other plans for the future and had this to say:



My plans for the future are to travel more, especially to Illinois (where my daughter, her husband and my granddaughter live) and to Texas where my other daughter and her husband live.

Hopefully, my tennis, skiing and racquetball will resume in earnest and Mary Sullivan, former Dean of COLA, has already approached me about some volunteer work, so I am sure I will be kept busy while in town.

During his 35 years at RIT, Charlie developed some unique perspectives on things due to the extent of his experiences here. He taught for the College of Science, the College of Applied Science and Technology, and Continuing Education in addition to the Kate Gleason College of Engineering. Furthermore, he taught several distance learning courses at Kodak, Xerox and the former Stromberg Carlson using video tapes and on-site recitations.

Charlie's service in the Provost's office really gave him an expansive understanding of the different types of education offered at RIT and the issues that this entailed. He had this to say, "There are not many universities that offer both technology degrees and fine arts degrees, especially of the high quality available at RIT. These two educational environments attract and serve students with very diverse backgrounds, and to do so effectively and well, require outside-the-box thinking."

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