

IMPACT



BAE students and department head, Joe Harner

Message from the DEAN

Henry Ford once said, “Coming together is a beginning. Keeping together is progress. Working together is success.”

And I believe “success” will be the result when we apply that truth to the strategic alignment between President Schulz’ K-State 2025 Plan: *Kansas State University will be recognized nationally as a top-50 public research university*, the vision and planning themes of the college’s Strategic Plan adopted in 2008; and the University Engineering Initiative Act (UEIA) of 2011, recently approved by the Kansas state Legislature.

The UEIA, passed by the Kansas Legislature and approved by Gov. Brownback on May 25, 2011, provides support to grow the number of graduating engineers at Kansas State to 586, or an increase of 163 beyond the basis of today’s 423 graduates. This growth is to be shared equally by K-State, the University of Kansas and Wichita State University. Each college/school will be provided \$3.5M/year for 10 years, and this will require a dollar-for-dollar match. For our college, this will be accomplished through three key avenues:

- Expand our recruitment and retention programs such as MEP, SAS, MAPS, ESSI and Ambassadors; dramatically increase our scholarship programs; and enhance knowledge about our engineering programs to Kansas junior high and high school students and faculty.
- Add more faculty and staff—the addition of 20 new professors and 10 new instructors, with the requisite staff support, is unprecedented in the history of the college and we must make the most of the funding for this extraordinary opportunity.
- Expand our physical space and facility to house the increase in students, faculty and staff.

Gov. Brownback attended and spoke at the luncheon meeting of the advisory council on Oct. 7. He provided insight on the need for Kansas to proceed in a way that will produce more hi-tech engineers and technology-based jobs. This in turn will grow the wealth of Kansas and bring increased economic prosperity to the state. And his bottom line on the UEIA: “I support this initiative.”

We are moving ahead full-throttle on this opportune occasion to expand and grow the possibilities of what is already good and great about our college, while meeting the goals of the UEIA and the K-State 2025 Plan. In this issue of *Impact* we introduce the distinguished advisory council members who are advising us in this undertaking; our new assistant dean of retention, diversity and inclusion, Betty Grauer; and our new senior director of development, Lori Rogge.

Think about what new facilities, space and instructors will mean to our already-world-class student teams as you read about their recent competitive successes. Note our award-winning faculty, whose productivity will only increase with improved facilities and new colleagues. And the story of the Ranhotra



Dean John English and Gov. Sam Brownback

family and their giving is just one of the many examples of the type of support we will continue to need and be looking to expand on from our ever-generous alumni and friends.

Another fall highlight you’ll read about was our visit from Dr. Mike Duncan, NE ’74, and his captivating Eyestone Lecture regarding his role in leading a NASA medical team in support of the rescue of 33 trapped miners. Mike concluded his lecture with a quote from Louis Pasteur that I like very much, “Chance favors the prepared mind.” I like as well another “take” on it from renowned neurologists/author James H. Austin, “Chance favors those in motion.”

I assure you this “chance” i.e., “opportunity” afforded us by both the passing of University Engineering Initiative Act and the challenge of Pres. Schulz’ K-State 2025 Plan is something we do not take lightly. We have been, are, and will be prepared and in motion to put our best foot forward on the path ahead.

John R. English
Dean of the College of Engineering

INSIDE THIS ISSUE

- Page 2 . . . Alumni feature
- 4 . . . Advisory council
- 6 . . . BAE champions
- 8 . . . Seaton Society
- 11 . . . Eyestone Lecture
- 12 . . . Alumni profiles



COLLEGE OF ENGINEERING



On the cover

Joe Harner, BAE professor and department head, is hoisted on the shoulders of BAE students celebrating the department’s stellar showing at the 2011 American Society of Agricultural and Biological Engineers Annual International Meeting. More details in related story on pages 6–7.

Alternate cover

A few clicks of the camera later finds Harner “awash” in victory, as students complete the celebratory ritual with a traditional “dowsing.”



Ranhotra Family Engineering Scholarship benefits many

It's really a family affair—a scholarship begun by parents in recognition of their children's education, which now 12 years and 21 recipients later continues to thrive and grow with additional support from those two children who contribute to it through matching opportunities with their respective employers.

The story of the Ranhotra Family Engineering Scholarship begins with its establishment by Gur and Tej Ranhotra in 1999, after their children, Rick CHE '83 and Anita IE '94 and MEM '01, had both completed undergraduate engineering degrees at Kansas State University.

"Our parents wanted to establish this scholarship as a way to show their appreciation to K-State for the education provided to me and my brother," Anita said. "I was proud they saw the benefits that Rick and I received from our time at K-State. Rick and I put ourselves through school, so this was our parents' way to financially give back."

Rick and Anita have also contributed to the scholarship annually since its inception.

"It's served the same purpose for us as for our parents – a way to give back, a way to thank K-State for the education and opportunities given to us, and a way to help future engineers with their education," Anita said.

Matching funds opportunities through their respective employers have enabled Anita and Rick to increase their gifts to the scholarship. Anita is a supply chain quality manager with Hallmark Cards, Inc., Kansas City, Mo., and Rick is a processes applications engineer with the Georgia Power Company, Atlanta, Ga.

"I contributed to the scholarship when it began," Anita said, "and then utilized the matching contributions through Hallmark in 2001 after I started working there and was eligible. Once I learned about this program and understood Hallmark's commitment to support education, I thought, 'How could I not take advantage of this?'"

Hallmark's program is supported by the Hallmark



Trenton Wilke and Anita Ranhorta

Corporate Foundation and makes contributions to eligible schools or educational associations in amounts equal to contributions made by eligible Hallmark employees up to \$6,000 per person per year.

Rick has contributed to the CHE department since 1989, and then to the family scholarship once it was established. His employer, Georgia Power and the Georgia Power Foundation, Inc., matches dollar for dollar donations made by qualified individuals, up to \$5,000 per year, to the eligible institutions of their choice.

"I give credit to K-State for not only providing me with a valuable education that has served me well throughout my career," Anita said, "but also for the opportunity to develop and build upon my leadership skills. I look back on my time at K-State fondly and recognize that a lot of who I am today was shaped by the time I spent there. For that reason, I feel it is important to give back."

Giving back can take various forms, including not only finances but time. Anita has chosen to do both. In addition to supporting the scholarship, she also serves on the Industry Advisory Councils for the IMSE department and the Multicultural Engineering Program at K-State.

"Not only does this give me an opportunity to interface with students," she said, "but I also get to represent Hallmark and help people understand what engineers do there."

Anita has had the opportunity to meet a number of the Ranhotra Family Engineering Scholarship recipients over the years. The IMSE department hosts an annual scholarship reception that facilitates meetings between the donors and recipients.

"I've stayed in touch with some of those recipients," she said, "and have enjoyed watching them progress throughout their careers—one is even now working at Hallmark!"

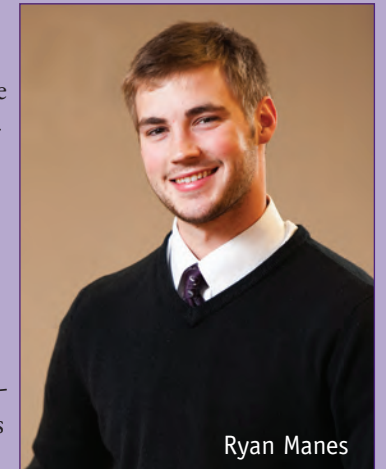
She encourages other alumni to consider this same path of giving back, whether financially or with time, to a specific department or the university as a whole.

"We all proudly declare that we are K-Staters, and what better way to give back than to help the next generation of K-Staters?"

—by Mary Rankin

Students grateful for Ranhotras' gift

The Ranhotra Family Scholarship is awarded each semester to one student in IMSE and one in CHE—the respective departments of alums Anita and Rick Ranhotra. Recipients for fall 2011 are Ryan Manes, IMSE junior, and Trenton Wilke, CHE junior.



Ryan Manes

"I really want to thank the Ranhotra Family for their generous support," Manes said. "This scholarship allows me to focus my efforts on school and my goal of becoming an engineer, instead of worrying about how I'm going to pay for tuition."

Wilke agreed and said, "This scholarship has greatly helped my educational experience this semester. I am paying for college without any assistance from my parents, and I'm better able to concentrate on my studies instead of working part-time jobs to stay in school."

Both young men have goals for additional education to complete their career goals.

"After graduation, I want to work in the field of industrial engineering to gain some real world experience," Manes said. "I then plan to go to graduate school for my master's and eventually doctorate degrees, and become a college professor. I love working with students and feel I can truly impact lives in that capacity."

"I am currently considering getting my Ph.D. after I graduate," Wilke said. "My research will be related to either material science or biofuels—this is the type of research I'd like to pursue somewhere in industry."

Manes and Wilke believe their experience of being scholarship recipients has definitely given them an appreciation for this type of support and an understanding of the importance of continuing the tradition.

"Like so many students today," Manes said, "I do not qualify for substantial student aid from the government, but neither can I afford to pay for school out of pocket. With the rising cost of tuition, we must plan for even higher costs in the future. Scholarships are now and will continue to be so important."

"Giving back to your university is an excellent way to make sure your charitable donations will be put to good use," Wilke said. "I won't forget the great help my scholarship support has been once it's my turn to be supportive in this way. I will definitely give back to K-State when I get the chance."



Front row, left to right

James L. Tadtman, CE '67
President
Wildcat Construction Co., Inc.

Vicki J. Scharnhorst, CE '82
President
40th Parallel Consulting

Randy D. Pope, EE '77
Vice President, Burns & McDonnell Engineering Co., Inc.

Sue P. Barsamian, EE '81
Senior Vice President and General Manager, ESSN and TS Worldwide Sales

Mark Hutton, CNS '77
CEO
Hutton Construction Corp.

Cathy S. Ritter, CE '75
President
Constellation Design Group, Inc.

Second row, left to right

Steve P. Kirchhoff, ME '79
Vice President-Americas, Exxon-Mobil Gas and Power Marketing

Donna D. Kottwitz, CHE '75
Reserves Manager
Eni Petroleum Co., Inc.

Scott D. Love, CHE '80
Fellow Lead, Heavy Oil Research and Development, ConocoPhillips

Raj Nathan
Chief Marketing Officer and Executive Vice President, Worldwide Marketing and Business Solutions Operations, Sybase, Inc.

Mike Manley, EE '73
President
Safe Harbor Developers Inc.

Herb Whitney, CE '63
President-retired
CITGO Petroleum Corp.

Carl R. Ice, IE '79
President and Chief Operations Officer, BNSF Railway Co.

Steven M. Theede, ME '74
Chief Executive Officer-retired,
Yukos Oil Co.

Third row, left to right

Dana Mathes, CHE '79
Vice President of Operations
Dow AgroScience

Wayne A. Harms, CHE '76
Vice President, ExxonMobil Upstream Ventures (East) Limited

John English
Dean
College of Engineering

James M. Johnson, CNS '84
President and CEO, GE Johnson Construction Co.

Casey S. Halsey, CNS '79
Executive Vice President and Chief Risk Officer, JE Dunn Construction Co.

Back row, left to right

Bob Thorne, CE '50
Partner, Finney & Turnipseed Transp. & Civil Engg. LLP

Margaret A. Yaege, ME '79, '84
President-retired
ConocoPhillips Pipeline Co.

Richard M. Kerschen, CE '64
President and Chairman of the Board, The Law Company, Inc.

Lewis Von Thaer, EE '83
President and Corporate Vice President, General Dynamics Advanced Information Systems

Alan L. Sylvester, CE '75
President
GenerAction LLC

Thomas C. Paulson, CE '73
Vice President-retired, Canadian Capital Projects, ConocoPhillips Canada

Mark A. Keenan, CNS '74
Co-Founder and Chairman of the Board, KHS&S Contractors, Inc.

Present but not pictured

Michelle C. Munson, EE '96
President
Aspera, Inc.

Stephen Berland, CE '72
President
BG Consultants, Inc.

A salute to service-oriented students

K-State engineering students are frequently recognized for their successful efforts in team competitions, scholarship awards and research endeavors. But another category where they shine equally as bright is in giving time in service to others. An individual, three student chapters, and a group in an international organization are highlighted below for their accomplishments in this area.

BAE student recognized for innovation and service

DeeAnn Turpin, BAE, is creator of the campus-wide program, Give It Up for Good, where areas are provided in each dorm lobby



DeeAnn Turpin

in the spring for students to donate unwanted, reusable items that are then sold and the money donated to local charities.

Turpin initiated the partnership with the Manhattan United Way, Habitat for Humanity and several student organizations, engaging more than 200 volunteers, who in May 2011, collected more than 80,000 pounds of furniture and household goods as students moved out of the dorms. All of the items were either sold, raising \$2,500 for local charities, or recycled, preventing tons of wastes from going to the landfill.

Her efforts were recognized at the World Wide United Way conference this summer where the project received the Innovation Award for creative use of electronic media to engage the student population in giving and advocating.

Student Chapter of Associated General Contractors

Recent service activities of the K-State Student Chapter of Associated General Contractors (AGC):

- Designed and assembled, at the request of the K-State Athletic Dept., a new pushup platform for Willie the Wildcat. The lightweight metal frame with skid-proof deck weighs only 60 lbs. for each of the six handles held by the carriers.
- Planned and conducted an Alternative Spring Break trip to New Orleans, La., for 22 students and three sponsors to assist with Hurricane Katrina rebuilding efforts. This activity earned the group recognition as the "3rd best national collegiate chapter" from AGC of America, for its work in revitalizing the lower 9th Ward.
- In a joint energy-saving project with the K-State Student Chapter of AEI, insulated and sealed the attic and crawl space of President Kirk and Noel Schulz's campus residence.
- Designed and constructed a new parking lot and sidewalks for Lutheran Campus Ministry's campus center.
- Conducted a leaf-raking fund raiser.
- Participated in a volunteer work project with Westar Energy to construct an archery shooting range.

Sigma Lambda Chi

Sigma Lambda Chi, Construction Science Honor Society, assisted the K-State Gardens in removal of heating units, piping and control panels from the conservatory.

Chi Epsilon

The civil engineering honorary, Chi Epsilon, worked with the Army Corps of Engineers in spreading mulch along the trails below Tuttle Creek Dam.

Engineers Without Borders

Five K-State engineering students and members of Engineers Without Borders spent spring break 2011 in Guatemala, working to reduce the number of contaminants in the country's drinking water. The group went door-to-door distributing and installing more than 200 water filters in homes in Panajachel, Guatemala.

The filters came from a Rotary International grant and were about a foot-and-a-half tall, making them easily portable and allowing residents in the area's largely agricultural villages to take them into the fields for clean drinking water while working as well.

The team also built biosand filters in surrounding schools. The large filters made from layers of coarse and fine sand are able to remove around 90 percent of organic contaminants. The filtered water can then be treated with chlorine tablets, iodine drops or sunlight to kill the remaining contaminants.



Willie the Wildcat tries out new pushup platform designed and built by construction science student members of AGC.

DEPARTMENT SHINES AT INTERNATIONAL MEETING



BAE quarter-scale tractor team



BAE robotics team



BAE fountain wars team

They came. They saw. They conquered.

While not quite literally performing Julius Caesar's famous quote describing his short war with the enemy in Turkey, nevertheless K-State's biological and agricultural engineering department definitely made a similar conquest at the 2011 American Society of Agricultural and Biological Engineers Annual International Meeting in Louisville, Ky., Aug. 7–10.

Students and faculty alike raked in the awards, with three student groups placing first in team competitions; two student groups winning outstanding branch awards; other students recognized for academics and papers; and several faculty recognized for research and service. In addition, numerous technical papers were presented by K-State BAE faculty and graduate students.

"The BAE department historically has been recognized for excellence in providing undergraduate design and extracurricular experiences. The 2011 ASABE awards ceremony continued the tradition of excellence and showcased the quality of engineering education provided to Kansas State University's young people," said Joe Harner, BAE professor and department head.

"The recognition received was truly a reflection of the total KSU educational experience, since each design team and student club

excelled in activities with different criteria. The foundation of our tradition of excellence is committed and dedicated faculty working with committed and dedicated students," Harner said.

The following is a synopsis of K-State's BAE accomplishments recognized at the 2011 ASABE meeting:

BAE robotics team: 1st place, ASABE annual international competition—fifth consecutive year of K-State being national champions

BAE fountain wars team: 1st place, ASABE annual international competition

BAE quarter-scale tractor team: 1st place, ASABE annual competition—K-State has placed in the top three in 11 of the 12 years of this competition.

2011 Association of Equipment Manufacturers Trophy Awards for Outstanding Student Branches: Student Engineering Branch Participation – 1st place, K-State BSE Club; Student Mechanization Branch Participation – 1st place, K-State ATM Club

Pharos of Alexandria Global Learning Award for 2011: Allie Archer, BAE senior, first recipient of this award honoring an outstanding undergraduate upper-class level or graduate ASABE student member who exhibits interest in engineering problems and global learning outreach.

Faculty awards

Naiqian Zhang named ASABE Fellow for outstanding and dedicated performance in educating engineering professionals, and developing new sensors and control applications for agricultural and biological systems

Team competitions and awards for academic year 2010–2011

Architectural Engineering and Construction Science

- ASHRAE student design team: 2nd place, ASHRAE 2011 Student Design Project Competition, HVAC system selection category
- CNS team: 3rd place, Assoc. Schools of Construction Region IV, Construction Management Competition, heavy/highway division

Biological and Agricultural Engineering

- BAE robotics team: 1st place, ASABE annual international competition—fifth consecutive year of national championship
- BAE fountain wars team: 1st place, ASABE annual international competition
- BAE quarter-scale tractor team: 1st place, ASABE annual competition—K-State has placed in the top three in this competition, including eight firsts, continuously since 1999.

Civil Engineering

- Concrete canoe team: 2nd place, ASCE Regional Conference
- Steel bridge team: 1st place, ASCE Regional Conference; 25th out of 48 in national competition

Chemical Engineering

- ChemE car team: 1st place, poster competition and Most Creative Car Design award, AIChE regional competition

Computing Information Sciences

- CIS student team: 3rd place, ACM High-Performance Computing contest at Supercomputing '10 Conference
- CIS/ECE team: 3rd, 6th, 10th and 15th places in various categories among 32 teams in regional ACM programming competition

Electrical and Computer Engineering

- Robotic competition team: 6th place, California Micro-mouse competition
- ECE team: 1st place, 2011 Kansas Collegiate Mathematics Competition

Mechanical and Nuclear Engineering

- SAE formula design team: 2nd place, cost report; 35th place, regular class, 2011 Formula SAE California competition
- SAE aero team: 2nd place, regular class; 3rd place, payload lifted, 2011 SAE Aero West competition
- SAE mini Baja team: 18th place, Mini Baja SAE Birmingham; 54th place overall, Pittsburg, Kan.
- AIAA unmanned aerial systems team: 5th place, Association for Unmanned Vehicle Systems International Student Unmanned Air Systems Competition

“... a reflection of the total KSU educational experience ...”

Seaton

SOCIETY

Seaton Society members are recognized annually for their gifts of \$500 or more to the College of Engineering. The following contributed between July 1, 2010, and June 30, 2011:

Director—\$10,000+

Melvin and Rannie Barb
Amy Bartak
Kim Bartak
Paul and Teresa Bartak
Barbara Bensing*
Jim Blakely
Stephen and Karen Clegg
Randy and Jacquie Coonrod
Ruth Coonrod
David and Lynda Dawson
Dixon and Carol Doll
Joe and Sherry Downey
Terrence and Peggy Dunn
Gary and Peggy Edwards
La Verne Englert
Ike and Letty Evans
Don Gemaelich
Gordon and Joyce Goering
Donald and Sharon Greenwood
Wayne and Barbara Harms
Lucile Hawks

Jan and Dick Hedges
Darrell and Nancy Hosler
Mark and Mary Hutton
Carl and Mary Ice
Jim and Laura Johnson
Neal and Susan Johnson
Min-Hwan and Yu-Fan Kao
Iris Karl
Faye Kaul
Steve and Linnea Kirchhoff
Donna Kottwitz and Mark Larson
Robert Kountz*
Don Lenhart
Sam and Martha Logan
Larry and Rande Loomis
Scott and Karen Love
Dean and Lavon Morton
Laree Mugler
Raj and Diana Nathan
Jane Neff
Tom and Connie Paulson
Perry and Virginia Peine
Rich and Debbie Pennick
Cathy and Tom Ritter
Warren and Teresa Ross
Jesse and Sabra Schriener
Rhea and Pat Serpan
Dean and Sharon Skaer
Doris Spray
Warren and Mary Lynn Staley
Jim and Marty Tadtman
Tim and Sharon Taylor
Steve and Kay Theede
Spencer and Susan Tholstrup
Tony and Denise Veith
Ed and Eunice Wambsganss
Chuck Wilson

Executive—\$5,000+

Walt Bellairs
Dave and Virginia Braun
Michael and Margie Brown
Rich and Marilee Donaldson
Holly Engelken
Judith Fan and Robert Reay
L T and Eva Fan
Daniel and Monica Foltz
Mike and Karen Hatling
Richard and Kimberly Halli
Duane Henderson
James Hengelfelt
Art and Georganne Hiser

Phil and Jeannie Hollis
Warren and Gisela Kennedy
Rich and Hannah Kerschen
Drake and Eileen Knapp
Lief and Paula Koepsel
Raymond and Jill Kowalik
Thomas and Loraine Lindley
Steve and Donna McKinnis
Marsha Meili
Michelle Munson and Serban Simu
John and Linda Nobles
Matt and Kathleen Nordhus
Don and June Prigmore
Dennis and Andrea Rottinghaus
Vicki Scharnhorst and Brent Johnson
Randy Sedlacek and Mary Ventura
Allen Smoll
Dale and Victoria Trott
James Walker
Herb and Mary Sue Whitney

Partner—\$2,500+

Jack and Alberta Bailie
Sue Barsamian and Bill Romans
Marlin Breer and Joan Russell
Pat and Jo Ann Brown
Bob and Mary Kay Camarena
Matthew and Lynn Dassow
Martin and Melodee Eby
Larry and Laurel Erickson
Jim and Nancy Gieber
Bill and Tina Goodman
Chuck and Susie Grier
James and Patricia Guthrie
Janell and Todd Harman
Brent and Bonnie Heidebracht
Kevin and Dianne Honomichl
Hud and Jill Huddleston
Patrick and Rhonda Johnston
Kelly Klover
Brad and Joyce Kramer
Aaron and Renee Laird
Jeffrey and Joy Lessman
John and Mildred Lindholm
Harvey McCarter and Marilyn Barnes
Ed and Jeanne Mulcahy
Edmond and Janice Murray
Jean Myers
Anita Ranhotra
Doug and Becky Reid
Dennis Rogalsky
Donald Schmidt
Kevin and Polly Schoen
Jim and Linda Schroeder
Robert Sextro
Howard and Patricia Sherwood
Bob and Lila Snell
Virgil and Jane Snell
Charles and Arlene Steichen
Larry and Martha Stover
Larry and Eleanor Strecker
Travis and Annie Stryker
John and Debbie Swinney
Marilyn and Bill Taylor
Del and Sharon Thielman
Bob and Bernita Thom
Jeff and Lisa Vander Laan
Lou and Jenn Von Thaer
Edward and Mary Wiegers
Don Wiruth and Treva Fairbanks Wiruth
Mark and Kimberly Zimmerman

Leadership Circle—\$1,000+

Rick and Marcia Adams

Donald and Susan Allison
Christopher Althoff
Bryan and Celia Anderson
Robert and Mary Ash
John and Ethelyn Baker
Bill and Beth Barrett
Ed and Kathy Beeman
Margaret and Walter Belter
Jerry and Barbara Boettcher
Mark and Terrie Boguski
Brian and Melissa Brooks
Mark and Brenda Brown
Kent Buster and Gitta Banks
Tom and Denise Carlisle
Wen and Lung-yu Chen
Lawrence and Terry Coil
Charles and Linda Schuman
Gib and Brenda Compton
Scott and Betsy Coons
Warren Corbet

Dick and Mary Elizabeth Corbin
Roger and Nancy Coulter
Jim and Patty Dancer
Raymond and Nancy DeLong
Gary and Rebecca Dick
Jim Dieter
Pete and Marcy Dimond
Charles and Joan Dorgan
Les Doty
Jeff Dougan
Dave and Tammy Douglass
John Downey and Shannan Seely
Bob DuBois
Mike and Candy Duncan
Matt Durst
Charles and Jean Eby
Edwin and Casee Eisele
Blaine and Carolyn Englund
Kanton and Emilie Epard
Patrick and Rita Ervin
Helen Fairbanks

Jon and Mary Feldhausen
Jane and Gilbert Ferguson
Doug and Caryn Firebaugh
Paul and Lori Fisher
Kyle and Kimberly Franklin
Jerry and Donna Friesen
Jim and Lisa Garrison
Fred Gowdy
Greg and Deanna Graves
Randy and Deborah Groves
Marvin Hachmeister and Marjory Mortvedt
Bill and Jo Harbin
Allan and Carolyn Harms
Joe and Milly Harner
Tadhi and Douglas Hayes
James and Mary Heise
Gabe Hernandez
Linda and Tracy Hester
Ray and Marlene Hightower
Rex and Becky Hillman
Mark and Beth Hodges
James and Mary Holub
Rodney and Kay Horn
Ed and Ming Hsu
Cleve Humbert
Kay Hummels

Jim and Judy Johnson
Bill and Wyoma Johnson
Gary and Helen Johnston
Kenneth and Marilyn Johnston
Frank and Gail Jurenka
William and Rebecca Kennedy
Mary Lee Kind
Doug and Jodi Kirkland
Bob and Cynthia Koets
Greg and Nicole Korte
Todd and Julie Korte
Scott and Staci Kring
Dave and Hope Krug
Charles and Linda Kuhn
Mike and Vera Lackey
Jane Ley
Joe and Vicki Losito
Kit and Stephanie Mailen
Jerry and Lori Marr
Larry Martin
Dana and Liz Mathes
Mick and Nancy McAuliffe
Warren McElroy
Robert McGriff
Ray Meisenheimer*
Barry and Aruna Michie
Tom and Joan Mistler
Shawn Mulvaney
Dave Nall
Ernie Nelson

William Nixon
Joe O'Reilly
Jeanette Otto
James Phalen
Randy and Nancy Pope
Morgan and Kaye Powell
Marc and Jody Ramsdale
Rick and Kiran Ranhotra
Jimmy Rash
Don and Lynne Rathbone
Jonathan Rawlings
Mike Rogers
Haven and Barbara Rolander
Michael and Nichole Rottinghaus
Grover Rundell
Ray and Meghan Schieferecke
Glenard and Nancy Cole
Dennis and Vicki Shanks
Daren and Daniela Shumate
William and Karen Shump
Hal and Mary Siegel

Larry and Debbie Stupianek
Doug and Cindy Smith
Bob and Peggy Smith
David Smoot
Rob and Colleen Snell
Benjamin and Shanna Sommers
Marlin and Diane Stanislaus
Les Doty
Jeff Dougan
Dave and Tammy Douglass
John Downey and Shannan Seely
Bob DuBois
Mike and Lois Stoller
Matt and Dorothy Strahm
Kenneth and Coleta Suiter
Mark and Dette Swanson
Bill and Betty Swenson
Mark Taylor
Marlin Taylor*
Peggy Taylor

Gordon and Lynette Thayer
Jeffery and Cynthia Thetge
Dale and Marilyn Turnbull
Jennifer Tuvel
Beth Unger
Stephen and Debra Vaughn
Chris and Lynda Vaverka
Jennifer and Matt Vines
Virg and Jessie Wallentine
Kenneth and Beth Ward
Bradford and Cynthia Wick
Dennis and Lynn Wienck
Audrey and Paul Williams
Robert and Sheryl Wiruth
Walter and Sheri Womack
Neal and Anita Woods
Gary and Judy Wurdeman
David and Nancy Yeamans
Dennis and Madelyn Yeo
Bob and Pat Zrubeck

Colleague—\$500+

N K and Veena Anand
Ron and Mary Andersen
Norman and Malinda Anderson
Randall and Barbara Angell
David and Jan Arnold
Mo and Helen Arnold
Al Askew
John Atherton
Chance and Donna Bahadur
Martin Barker
Gary and Sara Bartak
Patrick and Carol Bartko
Steve and Patty Bauerband
Michael Beehler
Ben and Kathy Bellinder
Don Bender
Donald and Muriel Bentsen
Marla and Wayne Benyshek
Kevin and Lisa Berscheidt
Alok and Nidhi Bhandari
Leland and Beth Blackledge
Jeffrey and Trixie Bone
Lyn and Jerri Boyer
Kim and Conee Brown
Michael and Nancy McAuliffe
Ron and Patty Brown
Wayne and Stephanie Buhner
Daniel and Judi Burk
Donald Butel
David and Kathy Carr
Kent and Kathy Casey
Gary and Barbara Clark
Lee and Sherrye Cook

John and Marianna Counter
Craig Cowley and Lyn Huffaker
Paul and Norma Crawford
Jeanne and Lou Curcio
Diane Dalton
Mike and Michelle Davis
Lionel and Debra D'Luna
Tansukhlal and Savitri Dorawala
Matt and Allison Ebert
Frank and Linda Eisenbarth
Larry and Jean Emig
John and Elizabeth English
Cameron and Jennifer Epard
Roger and Cynthia Farrell
Scott and Susan Feldhausen
Don and Signe Ferguson
Gene and Genevieve Fieldhammer
Philip Frazier
Lynn and Sally Frick
Dave and Kay Fritchen
Jay and Tiffany Gaines
Rich and Linda Gallagher
Mark and Susie Galyardt
Mike and Vicky Gard
Jim Gathers
Sanjay and Renu Gattani
Tara and Matthew Gazaway
Jerry and Janice Gfeller
Larry and Kathleen Gfeller
Paul and Joyce Giovagnoli
Ann Goering
Calvin and Joy Gooden
Robert and Kathleen Goodwin
Leslie and Justin Gordon
Natalie Gosch
Jeffrey and Justyna Grant
Erin Green
Duane Gregg
Steve Grogan and Robbi Hewson Grogan
Nolan and Suzanna Hake
James and Terri Hall
Richard and Imogene Hanson
Kip and Shari Hanzlicek
Brian Harms and Amy Schlotthauer
Jason and Karen Hartman
Patsy and Mike Havenstein
Steven and Karen Henness
Dean Hiebert and Susan Allison-Hiebert
Jim and Jada Hill
Steven Hill and Valerie Finkner-Hill
Lewlis Ho
David and Janet Holsinger
Keith and Rebecca Holt
Carl and Terri Hopkins
Robert and Jeanette Huizenga
Jeff and Jeanne Jelinek
Brian and Lynette Jennings
Don and Donna Jermain
Byron and Melanie Jones
Clay and Lynette Kay Jones
Philip Kastle
Dean and Nancy Kays
Miles and Cortney Keaton
Michael and Janet Keegan
David and Jane Kelling
Thomas Kelly
Brie and Scott Kelman
Charles Kneaves and Melinda Dutton
Jim and Susan Koelliker
Larry Kraus
Y J and Jochun Lai
Bart Lambert
Shane and Sarah Lanning
Scott and Laura Lauridsen
Donna Lee
James and Diana Lee
Tim and Christine Lenz
Jeanenne and Blase Leven
Robert Liebert
Thomas and Nancy Logan
Bob and Mardell MacKendrick
Marc Huslig
Lewis and Marjorie Martin
Charles May
Mark and Yvonna McAfee
Darren McElfresh
Michael and Eva McGee
William and Lynne McKinney
Chuck and Sharon Medvitz
Robert and Betty Meyer
Clint and Amy Meyersick
David and Mary Ann Miller
Gerald Miller

Kirk and Teresa Miller
Robert and Barbara Moyer
Kathleen Mundhenke
Kyle and Sharon Murdock
Joe and Donna Murphy
T G and Asha Nagaraja
Jon and Glenda Nelson
Kent and Trina Nettleingham
Katherine Nevins
Brian and Deborah Newcomer
Randy and Julie Newcomer
Rod Noble
Otto and Ruth Oberhelman
Paul and Mary Oberlin
Keegan Odle
Glen and Rhonda Olberding
Tracy Olivier
Price Oman
Ross and Lise Ostenberg
Larry Owen
Raymond Owen
Robert and Kim Owens
Mukta and Anil Pahwa
Nathan and Amanda Parker
Ken and Carol Pecis
Darin and Erica Penner
Heather and Jason Phillips
Leroy and Mary Joyce Pickett
Jerry and Cheri Poole
Danny Porter
Keith Pugh
Patrick and Ashley Ralston
Sreeraman and Vijayarani Rangarajan
Kay Rasmussen
Kirk and Kimberly Reid
Robert and Sheryl Reymond
Tom and Karen Roberts
Tim and Holly Roberts
Jerry and Margaret Robertson
Kevin and Kathleen Rohner
Don and Martha Ross
Tracy and Mary Sandow
Ann and Donald Schaechtel
George and Kay Scheets
Linus and Susan Schmitz
James and Katherine Schorgl
Donald and Phyllis Schultz
Kirk and Noel Schulz
Dennis and Kristine Scott
James and Barbara Shaneyfelt
Krishna and Usha Shekar
Charles and Connie Sheppard
Jim and Robin Siefkin
Laurence Slief
Mitchell and Molly Snyder
Paul Spainhour
Douglas and Laurie Spencer
John Stanfield and Christine Lann
Christine Steichen
Daniel Stephenson and Vilma Jarmalaviciute
Curtis and Jill Stewart
David and Julie Stewart
Timothy Suellentrop
Karl and Monica Svaty
Alan and Sharon Sylvester
Bill and Jessie Thomas
Charlie and Marlyn Thomson
Madhu and Madhuri Thota
Donald and Nancy Tonn
Deaun Trayer
Gary and Carol Turner
Reuben and Helen Vanderwilt
Randell and Shawn Wagner
Rob and Christy Wareham
Judith Watson
Charles and Barbara Weidler
Richard Weidler
Martin Wesemann and Natalie Darlier-Wesemann
Jerry and Robin Westhoff
Warren and Jean White
Brian and Cheryl Wichman
Patrick and Carolyn Wilburn
Craig Wilson
John and Mary Wilson
James and Martha Winzeler
Mark and Terri Worf
Kent and Mary Wray
Meg and Kris Yaege
Budong Yang and Lin Xu
Joseph Young
John and Shiou Yu
Naiqian and Yabao Zhang
Feng Zou and Yun Li

Founder

The Seaton Society awards lifetime membership to its founders, those who have made a commitment in excess of \$100,000 to engineering education excellence.

Ray and Barb Adee
Terrie and Arnold Allemang
Dale* and Betty Allen
Jim and Betty Allen
John Atherton
Gerald* and Barbara* Auerbach
Stan* and Enid Barnett
Tom and Marilyn* Barrett
John* and Vonnie Bateman
Alan and Karen Bell
Walt and Alice* Bellairs
Minnie Berges*
Bill and Phyllis Binford
Nadalie Bosse and Larry Nettles
Thomas and Una Bowman
Marlin Breer and Joan Russell
Gray Breidenthal*
Willard* and Mary* Breidenthal
Frank and Elizabeth Burke
Chuck and Linda Burton
Charley Carter*
Gene Carter and Rita Rodriguez
Donald* and Ilavere Chesnut
Richard Clarke*
Ed and Jaclyn Cochran
Gib and Brenda Compton
Carl* and Ruth Coonrod
Randy and Jacquie Coonrod
Dick and Mary Elizabeth Corbin
Roger and Nancy Coulter
Tara and Terry Cupps
Stuart and Janie Curtis
Dean Dillon*
Dixon and Carol Doll
Rich and Marilee Donaldson
Joe and Sherry Downey
Loring and Kathryn DuBois
Terrence and Peggy Dunn
Gary and Peggy Edwards
Larry* and Holly Engelken
Larry and Laurel Erickson
Ike and Letty Evans
George* and Alice* Fiedler
Max Foote*
Charles Frankenhoff*
Jim and Lisa Garrison
Don Gemaelich
Gordon and Joyce Goering
Leonard* and Charlotte Gollubin
James and Patricia Guthrie
Rosamond Haeberle*
Wayne and Barbara Harms
Harry* and Ressie* Jung
Bill Hauber
Lucile Hawks
Chris and Kimberly Hess
Ken and Mary* Hewson
Bill* and Virginia Honstead
Darrell and Nancy Hosler
Mark and Margie* Hulings
Sallie* and Cleve Humbert
Helen and Jim* Hurley
Mark and Mary Hutton
Ching-Lai* and Meilang* Hwang
Carl and Mary Ice
Gil Johnson*
Jim and Laura Johnson
Bruce and Jeane Johnson
Gary and Helen Johnston
Min-Hwan and Yu-Fan Kao
Faye Kaul
Dean and Nancy Kays
Rich and Hannah Kerschen
Bill* and Mila* Kimel
Sam and Mary Knecht
Donna Kottwitz and Mark Larson
Robert* and Avis* Kountz
Linda Lee and Joe Moffitt
Robert* and Mildred* Lee
Don and Anne* Lenhart

Ken and Lin Lewis
TW and Tzi Lin
Sam and Martha Logan
Harold and Olympia* Lonsinger
Pau and Janet Lu
Mike and Cindy Manley
Louie Marshall*
Ken and Kay* Martin
Sandi Mauch-Bieber*
Dean and Lavon Morton
Laree Mugler
Elmer* and Vivian* Munger
Phillip* and Jean Myers
Raj and Diana Nathan
Jane Neff
Edwin* and Peggy* Newman
Marjorie Norton
Carl and Janet Nuzman
Dale and Marcelene Olson
Gerald and Arlene Oppliger
Clair* and Sara* Palmer
LeRoy* and Aileen* Paslay
Tom and Connie Paulson
Perry and Virginia Peine
Charley and Lyudmila Ponton
Van and Sharon Pooler
Walter Poos*
Keith Pugh
Jack* and Joan Ransom
Don and Lynne Rathbone
Al and Fern Rector
Ray* and Virginia Richardson
Stan and Donna Rieb
June* and Ellen* Roberts
Gary Rogers*
Warren Rosebraugh
Dennis and Marlene Ruckert
Henry* and Florence* Ruff
Jesse and Sabra Schriener
Jim and Linda Schroeder
Gil* and Debbie Selsor
Rhea and Pat Serpan
Joe* and Laura* Shepek
Hal and Mary Siegel
Dean and Sharon Skaer
Doug and Cindy Smith
Jacqueline Smith*
Lloyd* and Sarah Smith
Allen Smoll
Bob and Lila Snell
Virgil and Jane Snell
Howard* and Irma* Spainhour
Doris Spray
John and Martha Stack
Warren and Mary Lynn Staley
Keith Steyer
Sheldon* and Fern* Storer
Charles* and Karen Stryker
Ken and Marguerite* Stuckey
Bob and Ann Syler
Alan and Sharon Sylvester
Jim and Marty Tadtman
Tim and Sharon Taylor
Steve and Kay Theede
Del and Sharon Thielman
Frank and Barb Tillman
Charles* and Kathryn Tillotson
Bob and Betty Tointon
Charles* and Ruth* Turnipseed
William Ulrich*
William and Mary Urban
Ed and Eunice Wambsganss
Vern and Loma Wegerer
Richard Weidler
Frank Westerman*
Chuck Wilson
Wayne* and Mary* Wittenberger
Kent and Mary Wray
Dale* and Nadean* Zabel

* = deceased

Every effort has been made to produce a comprehensive listing of donors for the calendar year July 1, 2010, through June 30, 2011. We apologize for any incorrect listings, misspellings or omissions, and extend our sincere thanks for your support. Questions about the donor list should be directed to Lori Rogge, Senior Director of Development, College of Engineering, Kansas State University Foundation, 1058 Rathbone Hall, Manhattan, KS 66506; 785-532-7539 or 800-432-1578.

Grauer named to new post

Bette Grauer has joined the Kansas State University College of Engineering as the assistant dean for retention, diversity and inclusion.



Bette Grauer

Grauer holds bachelor's degrees in civil engineering and physics education from K-State, and a master of curriculum and instruction degree from Wichita State University. She has held engineering positions in industry, government and consulting. She has worked as a professional engineer specializing in hydrology and hydraulics, including dam design, breach analysis and open channel design.

Grauer is also a licensed science educator and has taught secondary science methods and supervised science student

teachers for the K-State College of Education.

Her interests include building successful strategies for retention and outreach in engineering education, encouraging diversity and inclusion in engineering, and developing engineering applications for middle and secondary science and mathematics curricula.

Senior development director announced



Lori Rogge

Lori Rogge joined the College of Engineering in May 2011 as senior director of development. She leads the formulation and implementation of plans in support of individual and corporate philanthropy for the college.

Rogge was the associate director of gift planning for the KSU Foundation from

2005–2011 and served as a gift planning officer from 2004–2005. In her roles in gift planning, she assisted donors with the integration of their charitable intentions with their investment portfolio.

Prior to joining the KSU Foundation, Lori was a personal financial advisor for more than 10 years. She specialized in retirement, estate and tax planning. Lori presented at seminars, conferences, contributed to publications and has extensive experience in development and client relations.

Rogge earned her bachelor's degree in business administration from Kansas State University in 1994. She is a Chartered Advisor in Philanthropy, and holds life and health insurance and variable contract licenses.

Big 12 Engineering Consortium wins award

The University Professional and Continuing Education Association recognized Kansas State University's Division of Continuing Education for excellence in several areas, including programs, teaching and marketing.

The honors, presented at the association's annual conference, April 6–9, in Toronto, Canada, included an award to the Big 12 Engineering Consortium's nuclear engineering program—

The Distance Learning Community of Practice Exemplary Program Award.

The program provides, with assistance from the Division of Continuing Education, online



Mo Hosni

undergraduate courses in nuclear engineering to Big 12 engineering students.

"We're grateful to receive this wonderful national recognition for our efforts to make nuclear engineering education accessible to students and professionals from various campuses and industries via distance education," said Mohammad Hosni, professor of mechanical and nuclear engineering at K-State. "Our primary goal is to create an atmosphere of collaborative teaching and learning, and help educate our future nuclear engineers who will be successful in their chosen careers and professional fields."

THE Eyestone DISTINGUISHED LECTURE SERIES

Chilean Miner Rescue: The NASA Experience



James Michael Duncan, M.D., '73 NE and his wife Candace, '75 ACCTG



Thirty-three miners, trapped 2,200 feet underground, for 69 days—this was the story the audience gathered in Fiedler Auditorium had come to hear first hand on Sept. 30 from College of Engineering alum James Michael Duncan, M.D.

Duncan, from the NASA Headquarters Office of International and Interagency Relations, presented the Eyestone Lecture, "Chilean Miner Rescue: The NASA Experience."

Duncan led the NASA team that traveled to Chile in September 2010 in support of the rescue of the 33 trapped miners. For their efforts, they were recently awarded the NASA Exceptional Achievement Medal and the 2011 Samuel J. Heyman, Service to America, National Security and International Affairs Medal.

Prior to his current NASA Headquarters assignment, Duncan was deputy chief medical officer, Space Life Sciences Directorate, at the Johnson Space Center in Houston, Texas. He began his work with NASA when he joined Wyle Laboratories in 1999 to provide medical coverage to astronauts in training in Star City, Russia. Subsequently, he became a NASA flight surgeon in 2000 and participated in the Space Shuttle Program as deputy crew surgeon for STS-104 and STS-108 before being named lead crew surgeon for Expedition 6 to the

International Space Station. He served as manager of medical operations from 2002 to 2004 and as chief of space medicine from 2004 to 2009.

Duncan has also received the Johnson Space Center Superior Achievement Award and the NASA Outstanding Leadership Medal.

A native of Wichita, Kan., he received a B.S. degree in nuclear engineering from Kansas State University in 1974, going on to complete his Doctor of Medicine degree at the University of Kansas School of Medicine. Duncan is a diplomate of the American Board of Internal Medicine and is certified in internal medicine and pulmonary disease. He is a full member of the International Academy of Astronautics, having been elected by his peers in 2010. He is also an FAA Senior Aviation Medical Examiner, a Fellow in the American College of Chest Physicians and an instrument-rated private pilot.

The Eyestone Lecture Series, established in 2000, is funded by an endowment of the late Fred and Mona Eyestone. Fred Eyestone, a 1941 K-State graduate in electrical engineering, was a member of the College of Engineering Advisory Council and a Distinguished Service Award recipient.

—by Mary Rankin

Save these dates on your spring calendar!

March 31 . . . Seaton Society Celebration

April 20–21 . . College of Engineering and All-University Open House weekend

The college will be celebrating the 90th anniversary of its Open House festivities.

May 12 College of Engineering spring commencement

ALUMNI PROFILES

RECOGNITIONS

1978

Tony Knopp (ME) has been named vice president of Vestas Towers America, and is responsible for all operations associated with wind turbine tower facilities in Pueblo, Colo. He currently serves on the board of directors for the Work Force Center in Pueblo as well as the Pueblo Manufacturing Council Committee. Knopp is a member of the advisory board for CAD/CAM at Pikes Peak Community College as well as a member of the manufacturing council for the city of Colorado Springs.

1979

K. Ryan McGuire (CHE), Akron, Ohio, retired from ExxonMobil Chemical Company May 1, 2011, after more than 31 years of service. He held engineering and people management positions in multiple functions—manufacturing, technology, sales, marketing and supply chain—during his career.

Thomas E. Gates (CE, M.S. '81), Federal Way, Wash., has been elected a Fellow of the American Society of Civil Engineers. He is a licensed professional engineer in Washington, Kan., and Arkansas; a former city council member and mayor; and is a principal at Gates' Law, PLLC.

1980

N.K. Anand (M.S., ME) has been appointed interim dean of the Dwight Look College of Engineering, acting vice chancellor for engineering of The Texas A&M University System, and acting director of the Texas Engineering Experiment Station.

Rick Kuhn (CNS) has been named Texas area marketing representative for the American Institute of Steel Construction where he will focus on communicating the benefits of structural steel for building construction to architects, engineers, general contractors, project owners and developers throughout Texas.

1993

Jeff Smith (EE) and **Charlene (Linsky) Smith** (IE '92, MSEM '02) started Young Minds At Play in 2010 (www.youngmindsatplay.com), a company specializing

in manufacturing and selling natural, wooden educational toys, and have recently won the 2011 Dr. Toy Best Green Product Award for their First Jigsaw Puzzle – Square. The national award recognizes the best green playthings of the year.

2009

Jacob Miller (CNS) has been assigned by Black & Veatch to a coal-fired power plant construction project in South Africa. The 4800-megawatt facility is set to be the fourth largest in the world upon its completion.

2010

Blake Brosa (CNS) has been named "Construction Rookie of the Year" by the Target Corporation. Now located at Target headquarters in Minneapolis, Minn., Brosa is the project manager for the exterior building envelope and cyclical repaint programs.

DEATHS

1973

Jack Bolden (IE), Dallas, Texas, died May 17, 2011. He retired from Williams Cos. in 2005 after 31 years of service, where his positions had included manager of gas control, director of Louisiana resources and director of Gulf Coast operations. After his retirement from Williams, he worked as vice president of operations for Equitable Resources in Charleston, W.V. At the time of his death he was working for Crosstex Energy in Dallas as vice president of operations. He is survived by his wife, Jan, three children and seven grandchildren.

1979

Joe Richard Gray (ME), Coffeyville, Kan., died May 4, 2011, from pancreatic cancer. For the past nine years he had been employed as a design engineer for John Deere Coffeyville Works. His son Benjamin (EE '04) reports that his father was "a passionate K-State football fan."

FOUR MAKE LIST

Four alumni of K-State's ARE program were recently named to Consulting-Specifying Engineers magazine's "40 under 40" list, an honor bestowed on the best and brightest, 40 years old or younger, who are engaged in the building engineering and construction industry. Those honored include the following:

Marcus Sanchez ('97), 37, vice president and director of operations, Henderson Engineers, Inc., Phoenix, Ariz.

Greg Gehrt ('98 B.S./M.S.), 36, associate principal, ccrd partners, Houston, Texas

Mark Montgomery ('98), 36, associate principal, ccrd partners, Greenwood Village, Colo.

Lindsay Bose ('02 B.S./M.S.), 32, senior associate, Primera Engineers Ltd., Chicago, Ill.

WANTED: YOUR UPDATES

We are interested in following the career paths and accomplishments of our alumni, focusing on promotions, advancements, awards and honors, job changes and of course, retirements, as well as death notices.

Please send your information in these categories to—

Impact Editor
Engineering Communications
Kansas State University
133 Ward Hall
Manhattan, KS 66506

E-mail: impact@engg.ksu.edu

Faculty awards and honors



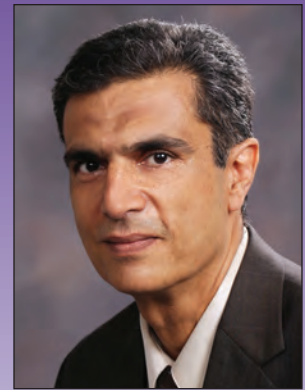
Charles H. Scholer
Faculty Award
Keith L. Hohn
CHE professor



Larry E. and Laurel Erickson
Public Service Award
Anil Pahwa
ECE professor



Clair A. Mauch Steel Ring
Advisor of the Year
Ray Buyle
ARE/CNS asst. professor



Myers-Alford Memorial
Teaching Award
Asad Esmaeily
CE assoc. professor



James L. Hollis Memorial
Award for Excellence in
Undergraduate Teaching
Fred L. Hasler
ARE/CNS, asst. professor



Bob and Lila Snell Distinguished
Career Award for Excellence in
Undergraduate Teaching
Charles L. Burton
ARE/CNS professor



Frankenhoff Outstanding
Research Award
Scott A. DeLoach
CIS professor

Advisory council leadership



Left to right: Wayne Harms, 2012 advisory council chair; John English, dean of engineering; Jim Johnson, outgoing advisory council chair

IMPACT

IMPACT is published twice a year by the Kansas State University College of Engineering, Manhattan, KS 66506.

It is available on the web at www.engg.ksu.edu.

Issue No. 27  Fall 2011

Editor Mary Rankin

Art director Rich Gardner

Graphic designer Bob Davis

Photographers David Mayes

Matthew Binter

Notice of nondiscrimination

Kansas State University is committed to nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities and employment (including employment of disabled veterans and veterans of the Vietnam Era), as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to Roberta Maldonado-Franzen, Interim Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807. 60941-11/11-25M

Entrepreneurship Excellence

Lecture and panel discussion

Mike Manley, EE '73, **right**, emphasizes a point as part of "Entrepreneurship Excellence," a lecture and panel discussion hosted by the Colleges of Engineering and Business, Oct. 5 in the K-State Union. Manley and fellow alums Toby Rush, ME '98, and Dave Dreiling, MKTG '89, discussed their experiences in achieving entrepreneurial success. John English, dean of the College of Engineering, and Ali Malekzadeh, dean of the College of Business, served as facilitators of the event.

Manley started his own company, QualTrak Corporation, which produced software for QA professionals and provided the first commercial software bug tracking system in the world, the first commercial software test management system and was awarded two patents. Since selling QualTrak to Pure Software, he has been involved in multiple venture capital projects.



- Biggest Mistake
 - ◆ Built another product outside of QA space
 - ◆ Lost an entire year of company growth! Lost focus.
- Products have leverage
- If you bootstrap
 - ◆ Build a low volume high price product
 - ◆ Harder to build a low price high volume product - probably need an investor.
- Never Ever Out Source a Core Competency

10/5/2011

QualTrak

Rush co-founded Rush Tracking Systems and serves as president and CEO. Rush Tracking Systems has a proven track record working with Fortune 100 client organizations to deliver best-in-class RFID solutions that help optimize operations.

Dreiling owns GTM Sportswear Inc., a Manhattan company he and a partner founded 20 years ago. GTM sells customized imprinted sportswear to athletic teams, corporations, cheer squads and other related markets throughout the world. Through GTM, and several other business ventures, Dreiling's companies employ more than 1,300 people nationwide.