This year marks the 60th anniversary of construction education at Colorado State University – a time to reflect upon where our program came from, where it is now, and where it’s headed.

Our program grew out of a national need to build homes, schools, hospitals, offices, government buildings, and other infrastructures needed to support a growing country after World War II ended. The building industry, led by visionary Johns-Manville, Inc., saw that the land-grant college in Fort Collins was poised to help educate a capable workforce to support this growth. In 1946, with industry’s financial assistance and guidance, Colorado A&M (now Colorado State University) committed to developing a dedicated, cross-disciplinary construction education program.

Today, this program continues to build upon its strong, historical relationship with industry – and our industry partners continue to turn to Colorado State, not only for knowledgeable and experienced graduates, but also to help address the increasingly complex issues our industry faces today.

The fruits of this relationship are evident in the growth of our industry as a major contributor to the nation’s job market and economy and also in our program’s growth. With more than 830 students enrolled this past year, Colorado State continues to be the largest construction education program in the country.

There’s a reason for that growth, and much of it is related to our partnership with the industry. Each year, our student teams excel in industry-sponsored regional and national competitions that test their construction management knowledge and skills. Each year, our teachers receive industry recognition for their contributions. Each year, more than 250 companies come to Colorado State to interview and hire our CM graduates, and each year, 100 percent of our graduates are hired. Those facts say something about the quality of Colorado State’s CM program and the value industry sees in it.

Our industry now is experiencing unprecedented growth and challenges, and likewise, so is our program. Within the next 10 years, three of the nation’s largest home builders will need 28,000 new employees. And those companies represent only three members of the homebuilding industry! Our country’s 100-plus construction education programs currently are graduating a total of 2,600 students per year. Nearly 9 percent of those graduates are coming from Colorado State.

To create a viable future, we must build upon our past accomplishments and present strengths. Our relationship with you – our alumni, friends, and industry partners – is essential to this process. One of our goals this year is to restore and renovate the Industrial Sciences Building, being sensitive to its history and the architecture of the era when it was built (1883) while also discretely incorporating new learning tools and technology where appropriate. We’ve done this, for example, in our new smart classrooms and welcoming, well-designed computer labs.

We turn to our alumni, our Professional Advisory Development Board, and other industry partners to help improve our facilities and foster our program’s development. Your financial and in-kind donations, coupled with your contributions to strengthen our curriculum to better meet industry’s needs, will ensure a vibrant future for us all.

Here’s to celebrating our past and building upon our present to create a promising future.

Dr. Larry Grosse
Head, Department of Construction Management
Learning from the Industry

John Thomas, Mechanical Systems

John Thomas, vice president of Trautman & Shreve Mechanical Contractors & Engineers, recalls that one of his most memorable teachers came from the construction industry: “When we walked into the classroom, he put us into a different world because he taught from real-world experience.”

Thomas now provides Colorado State’s CM students with a similar learning experience, thanks to funding provided by the Mechanical Contractors Association of Colorado and Thomas’ 23 years as a mechanical contractor.

Realizing the need to bring capable people into the mechanical contracting industry, MCA of Colorado has, for several years, provided the department with a salary for an industry professional to teach an upper-division class in mechanical contracting.

This year, Thomas will teach “Mechanical Systems” at CSU for the fourth time. “We try to educate students on what the mechanical contracting industry is about and all its various facets,” he says.

Dean Barber, Construction and Development

Why would a busy and successful company like Northern Colorado’s McWhinney Enterprises encourage one of its executives to spend a semester teaching on company time?

One reason, says Dean Barber, McWhinney’s vice president of construction, is that the educated workforce Colorado State provides to the construction industry is integral to the company’s success as well as the region’s economic health. Barber also believes that industry professionals can add value in the academic world.

This fall, Barber will teach “Development: A Comprehensive Study” to seniors and graduate students. He will use a case study to help students better understand many of the components that are essential to successful development, including feasibility studies, marketing, design management, construction procurement, turnover, and property management.

Guest lecturers will be invited to discuss such topics as financing, city approval processes, metro districts, and infrastructure and horizontal development.

Barber believes that for students to be effective in today’s workforce, they must understand the roles and perspectives of developers and owners as well as architects, constructors, realtors, financiers, communities, and others involved in the development process. The class is being offered to both CM and real estate students. Students in these two fields often lack an understanding of what the other does, Barber explains. “This class is developed to bridge that gap.”

Now working on his master’s thesis in construction management at Colorado State, Barber says he enjoys teaching. “I feel this is one way I can give back to a university that has provided me with a critical set of tools that significantly helped my professional career.”

Last year, Thomas divided the class into teams, each of which acted as a corporation bidding on a project. Students brought in other construction management knowledge to develop an estimate, schedule, and development documents and then make a presentation to industry members.

Mac Terry, executive director of MCA of Colorado, says chapter members want to support Colorado State’s CM students and MCA student chapter to help develop young people “who have the background and education to step into mechanical contracting companies as project managers, estimators, or in other non-tradesmen capacities.”

MCA of Colorado donates approximately $20,000 to the CM department annually to help strengthen the department’s curriculum and its MCA student chapter.

“As employers, we have to reach out to these students and capture their interest and enthusiasm, then hone it to meet the industry’s needs,” says Thomas.

MCA Student Team (top photo, from left): Robb Keene; Preston Cope; Mostafa Khattab, Coach; Mac Terry, Executive Director; Amy Farrell, Kris Musgrave, and Josh Apodaca.

Below: Mostafa Khattab with Joe Theisman (Washington Redskins) at the annual MCA convention and student competition.

The CSU student chapter is to be complimented for its high caliber of students. They have won numerous awards and placed high in MCA competitions, and many of these students serve in internships with our members.

– Mac Terry, Executive Director, MCA of Colorado
Remodeling the Industrial Sciences Building

Honoring the Past, Building for the Future

When the Industrial Sciences (IS) Building remodel is complete, the 123-year-old edifice will show off some of its original architectural character, don a sliver of green roof, and sport a courtyard with an expansive view toward the historic Oval around which the Colorado State campus was built. Even more, the new and improved IS Building will feature learning spaces, laboratories, technology, equipment, and courses that will fortify students’ understanding of construction management – and empower them with knowledge and skill sets essential to the pre-construction process.

The project is the first building transformation in which industry partners are helping to design the new spaces and contribute to related course content in ways that replicate the real construction world as closely as possible.

“While the IS Building’s beautiful historical elements are being restored, the building is also being updated as an environment that mimics where the industry is today,” says Ed Haselden, a lead contributor to the project.

The project has created an enthusiastic synergy between higher education and the construction industry, says CM Department Head Larry Grosse. Renderings of the remodel, unveiled in May at the 60th Anniversary Ram Built Gala, drew an excited response from industry members, Dean April Mason, and University President Larry Edward Penley. Mike Haselden, vice president and chief executive officer of Haselden Construction, LLC, and Bruce Ferguson, chairman of the board of Gerald Phipps, Inc., each stepped forward to announce their respective gifts for named rooms in the IS Building and to encourage other companies to participate in a project that will benefit the construction industry.

The transformation process

Designed to honor the best of the old and create the best of the new, the IS Building remodel will include preservation, sustainability, restoration, and renovation. “Those opportunities don’t come along every day,” says Phil Scott of H+L Architecture. The Denver firm has produced drawings of many of the building’s key interior and exterior areas.

The three-phased project began two summers ago when Gerald H. Phipps, Inc., pledged funds for a named lecture hall. Ferguson, ’66, a member of the department’s Professional Advisory and Development Board, also volunteered his time to manage the project, hoping to stimulate the involvement of more industry partners.

Last summer, renovation work started with the conversion of an old second-story classroom into a new computer laboratory. Students and faculty worked together to expose an original skylight that had been hidden by layers of plywood and created wooden beams to cover conduit.

“We’re restoring the warmth and openness of the building’s original wooden beams and vaulted ceilings and bringing other attractive elements back into view,” says Grosse. “We’ve painted the walls in the computer lab a soft forest green and muted gold, which are reminiscent of the original Aggie colors.” Modern elements blend harmoniously with the old.
Learning by doing

The remodel itself will serve as a hands-on learning experience for students. “We’ll use as many environmentally conscientious means, methods, and materials as we can,” says architect Phil Scott. “Brian Dunbar and his students will document and research procedures and materials, so the building can attain a certain level of LEED certification. Chris Koziol, director of the department’s Architectural Preservation Institute, has researched the building’s history, and he and his graduate students are contributing to the restoration work.”

“This project is a real opportunity for the industry and the University to come together in a public-private partnership to create a facility and influence a curriculum for the benefit of an industry.”

– Ed Haselden, President, Haselden Construction, LLC

One of the building’s most exciting new spaces will be the Haselden Construction, LLC, Pre-Construction Laboratory.

Earlier this year, Ed Haselden invited Colorado State faculty and administrators to tour Haselden Construction’s pre-construction department. Pre-construction, says Haselden, is the other planning and preparation that goes into a project at the same time a building is being designed. “This includes marketing, presentations, communications, negotiations, understanding the psychology of what influences people’s decisions, and how your company differentiates itself,” Haselden explains.

The pre-construction area is designed to be a collaborative environment that encourages teamwork. The new Haselden Construction, LLC, Pre-Construction Laboratory will be a large open space with six small offices designed for five-student teams that each will work on a project from the point of conception to the start of construction.

Enhancing course content

The IS Building remodel provides participating companies with an opportunity not only to contribute to a great functional working environment, but also to help influence and strengthen the overall curriculum so students will learn what they need to know to meet the industry’s current and future needs.

Haselden, who serves on the Board of Governors of the Colorado State University System, looks forward to contributing to a senior capstone class in which students will learn and practice all the pre-construction skill sets needed before a shovel of dirt is overturned. “What’s so exciting for me,” says Haselden, “is that we are helping to create a great space and helping to steer curriculum development in ways that will come back to serve the industry.”

Key Features of the IS Building Remodel

• The Haselden Construction, LLC, Pre-Construction Laboratory, where students will prepare and rehearse project presentations in a collaborative work environment.
• The Gerald H. Phipps, Inc., Lecture Hall, where students will attend lectures and make presentations.
• Two large computer classrooms with interactive teaching stations.
• New offices for the Architectural Preservation Institute and the Institute for the Built Environment and other CM faculty.
• A section of green roof that will serve as a teaching tool for how rainwater is captured and drained.
• A courtyard developed into a pre-function space, for presentations, social and networking activities, fund-raising functions, and more.
• Exposed building elements, to show electrical and mechanical distribution, construction methods, and monitoring devices.
Learning on the Job

Installing a specially designed crane in the Industrial Sciences Laboratory Building was one of several hurdles CM Professor Chuck Smith surmounted last winter as he developed a new hands-on class in which CM students will build an actual structure.

The structure students will erect in Smith’s Advanced Materials and Methods class, which pilots this fall, will consist of masonry and concrete, structural steel, wood framing, electrical, and finish work. The class is designed to develop students’ manipulative skills with materials and sharpen their understanding of the construction industry hierarchy and the procedures and documentation associated with each task on a project site.

“We’ll be showing students, ‘Here’s the structure of construction, and this is how everything is tied together,’” explains Smith. “The class isn’t just about constructing a building but also about the important role each person plays and the paperwork that goes with each step.”

Students will be responsible for obtaining permits and inspections and completing requests for information, change orders, certification sheets, and other necessary documentation. They will also do basic quantity takeoffs and estimates, get quotes for materials, and calculate labor costs for the building.

Throughout the semester, students will assume different project roles and will be responsible for particular aspects of production. They’ll learn, for example, proper safety procedures per OSHA regulations, including crane safety, and students serving as safety inspectors will be expected to identify and write up infractions. Inspectors will inspect the project at different phases and explain what things do and don’t meet code standards or safety regulations.

“The class is designed to make students more aware of their responsibility and accountability in the real world of construction,” says Smith.
Hot New Degree Program for Firefighters, Emergency Workers

Beginning this fall, Colorado State University will offer a new distance degree program designed for fire and emergency services professionals looking to advance their careers.

The Bachelor of Science in Fire and Emergency Services Administration is designed as a 2+2 degree-completion program. Students are strongly urged to complete an associate degree in fire science or a related emergency services field prior to enrolling in the program.

For more information, go to: http://www.learn.colostate.edu/certificates/d_constructionmgmt.asp, or contact Larry Grosse, dfir107@mindspring.com, or Kelli Connors, connors@cahs.colostate.edu.

Paving the Way for Heavy Construction

For the eighth consecutive year, the CM department hosted the Rocky Mountain Asphalt Conference and Equipment Show, which was held in February. The honorarium the department receives for coordinating this event helps support the Heavy Construction Management Endowed Chair Initiative and also contributed to the building of the department's new Asphalt Laboratory.
“It is this extraordinary partnership with industry, I believe, that has built Colorado State’s construction management program into the largest and most highly respected construction management program in the country.”

– Larry Edward Penley, President, Colorado State University

Scholarship News

Forty-eight scholarships totalling $75,050 were awarded for FY 2006-2007.

A new scholarship was awarded this year: The American Society of Professional Estimators/ Eugene L. Joerns Scholarship.

Colorado State University President Larry Edward Penley stepped up to the podium in the candlelit ballroom. Holding up his glass to make a toast, he said, “Few of our academic programs can demonstrate a more direct connection to economic vitality than construction management, a program that has flourished as an extraordinary partnership between the University and industry.”

At the May 6 Ram Built Gala, 600 alumni, friends, construction professionals, faculty, staff, and students joined President Penley in toasting to 60 years of construction education at Colorado State – and to the University/industry partnership that has contributed to the program’s success.

Guests enjoyed cocktails, hors d’oeuvres, complimentary formal portraits for all attendees, dinner and wine, an awards presentation, a slide show of the past 60 years, a champagne toast, and dancing. A live auction featuring such items as a champagne balloon flight, a Colorado fishing trip, and a double magnum bottle of Joseph Phelps 2001 Insignia wine, raised $12,000 for the James Parnell Student Professional Development Fund.

Top photo: “When everyone walked into the ballroom and saw how beautiful it looked, they knew this would be a special night,” said Department Head Larry Grosse.

Bruce Ferguson (above left), ’66, received the 2006 Hall of Honor Award and Sue Wagner-Renner (above right), ’95, the 2006 Ram Built Hard Hat Award. Both were recognized for their support of construction education.
Unveiled Plans Spark Excitement

Sixty construction industry presidents and CEOs were invited to meet Colorado State University President Larry Edward Penley at a special President’s Reception held on the evening of the 2006 Ram Built Gala. But something else was also in store: the unveiling of architectural renderings for the remodeling and restoration of the Industrial Sciences Building, along with a proposal floor plan.

President Penley introduced industry leaders Mike Haselden of Haselden Construction, LLC, and Bruce Ferguson of Gerald H. Phipps, Inc. Haselden and Phipps announced their companies’ pacesetting gifts to establish the new Haselden Construction, LLC, Pre-Construction Laboratory and the Gerald H. Phipps, Inc., Lecture Hall. The leaders then challenged other industry members to join them in supporting the project and enhancing their relationship with the University by creating named classrooms on behalf of their respective companies.

“These gifts from Haselden Construction, LLC, and Gerald H. Phipps, Inc., will allow the Department of Construction Management to strengthen an already world-class program as it prepares to address the needs of a rapidly changing industry,” said Penley.

JE Dunn Construction Classroom

“Many of our employees in the Rocky Mountain region and in our other offices around the country are graduates of the construction management program at Colorado State,” says Steve Hamline, president of JE Dunn Construction. “Our company prides itself on hiring the best and brightest college graduates.”

Hamline adds that the reputation Colorado State’s CM program has for turning out some of the best graduates in the industry was a major factor in our decision to donate $50,000 to the department to support the JE Dunn Construction Classroom.

Located on the second floor of Guggenheim Hall, the new JE Dunn Construction classroom has undergone changes to reflect the company’s image and projects. Some of the walls have been painted in “JE Dunn Construction” blue, and a brushed steel logo sign has been installed. Tack boards have been recovered in the company’s corporate colors.

Future plans call for mounting boards that illustrate and describe Colorado projects the company is working on and that provide information about JE Dunn Construction’s national locations and career opportunities.

“We want to convey to these students that JE Dunn Construction is the place they want to begin their careers and that professional and personal growth opportunity is unlimited for high-performing individuals,” notes Hamline. “We believe in the program and want to support its growth. After all, these graduates are our future and the future of the industry.”

Fund-Raising Update

CFMA Scholarship
At a recent golf tournament/fund raiser, the Construction Financial Management Association raised the balance of funds needed to complete a $50,000 endowed scholarship.

Heavy Construction Management Endowed Chair Initiative
Goal: $3 million
Amount raised as of 6/30/06: $1,000,000

Colorado Asphalt Pavement Association Asphalt Laboratory
A $55,000 campaign to raise funds to support the creation of the CAPA Asphalt Lab was completed. CAPA also provided $150,000 of new equipment for the laboratory.

James Parnell Student Professional Development Fund
Goal: $250,000
Amount raised as of 6/30/06: $129,284

Named Rooms
JE Dunn Construction Classroom (named in 2005) in Guggenheim Hall: $50,000 donation.

Gerald Phipps, Inc., Lecture Hall in the Industrial Sciences Building: $50,000 pledge plus in-kind donation to complete the restoration and remodel.

Haselden Construction, LLC, Pre-Construction Laboratory in the Industrial Sciences Building: $250,000

(From left) Mike Haselden, Bruce Ferguson, Larry Grosse, and President Larry Penley present artist renderings.
New Faculty Member to Introduce 3-D Modelling to Students

The CM department’s newest faculty member, Brad Johnson, brings a love for building, teaching, coaching, and international project management to his new job. A Ph.D. student in education, Johnson was hired on a tenure-track line and will begin teaching full-time this fall.

“Construction management is something I’ve enjoyed doing my whole life,” says Johnson, who started building while in his teens. “But teaching is my passion.”

Johnson is particularly interested in introducing students to 3-D modeling, which has been central to research he and his adviser, CM Professor James Folkestad, have participated in during the last two years.

Johnson and Folkestad partnered on a Genesis Homes-sponsored project using 3-D modeling to create homebuilding plans designed to improve productivity and decrease waste. Information acquired from that project is a key component of Johnson’s dissertation, “Virtual Construction as a Means to Capture and Transfer Knowledge to Reduce Product and Process Waste for Affordable Housing.”

Three-dimensional modeling, says Johnson, “takes some of the craft out of homebuilding and makes it more of a manufacturing process. One benefit to this is that workers know beforehand what they need to do. They have the knowledge and all the parts to do the job when they get there.”

Modeling enables the design-build process, says Johnson, because it integrates the knowledge of architects, engineers, developers, and subcontractors into a building plan. He’s now evaluating different software programs that will be suitable for more advanced modeling elements, such as scheduling, estimating, and facilities management.

Johnson believes research enhances the educational experience, and he looks forward to applying this in the classroom. “Nothing is stagnant in any industry,” he says. “Bringing research into the classroom gives students a vision of what future change might look like.”

Next year, the Associated Schools of Construction will sponsor a student competition in Building Information Modeling. Johnson hopes to coach Colorado State’s CM student team as well as continue his work with the NAHB student team.

Johnson is also co-principal investigator on the CSU-Helwan University project, a partnership with Egypt that involves teaching project management to students from both schools via online instruction. “I think working with smaller countries provides a huge opportunity to marry international project management with 3-D modeling,” says Johnson. “A picture is a lot easier to understand than lines on a piece of paper.”

Residing in Wellington, Colo., Johnson is married to Letitia. The couple has three children: Jaylynn, 9; Aleia, 5; and Spencer, 2.

About Brad Johnson

Education
B.S. Industrial Teacher Education, Utah State University, 2001
M.S. Construction Management, Colorado State University, 2005
Ph.D. Education with a concentration in Construction Management, Colorado State University, 2006

Recent Positions
Instructor and Teaching Assistant, Construction Management, Colorado State University, 2002-2006
Graduate Research Assistant, Construction Management, Colorado State University, 2004-present
Faculty Intern/Consultant, Hensel Phelps Construction Company, 2005
General Contractor/Owner, Brad Johnson Construction, Inc., 1997-present

2005-2006 CM Faculty and Staff Award Winners

Lenora Bohren, Ph.D., Director of the National Center for Vehicle Emissions Control and Safety/Clean Air Center:
2006 Omer Stewart Award, High Plains Society for Applied Anthropology, for significant achievements in the field of applied anthropology.

CM Professors Steve Jaouen and Chuck Smith:
2006 National Teaching Awards, Associated Schools of Construction, for contributions to construction education, excellence in teaching, and dedication to the construction profession.
With an Artistic Flair

Even though Ron Holt has “been around construction forever,” it was art that brought him to Colorado and led him to Colorado State’s CM program, and now, art is enhancing his new career as an assistant professor in construction management.

Holt, whose art appears in collections in the United States and overseas, started his construction career doing rough-in work while earning a degree in art. Later, he served as general contractor, real estate broker, superintendent, homebuilder, and director of real estate and construction for a large restaurant company. In 1999, Holt and his wife, Marilyn, decided to move from Florida so Holt could further pursue his art. The couple was drawn to Loveland, Colo., the largest sculpture community in the world. In 2000, they moved west. Within a couple of years, their two sons gravitated to Loveland as well.

Once settled, Holt considered pursuing an advanced art degree. While perusing Colorado State’s Web site, he was surprised to discover a master’s program in construction management. Believing an advanced degree in construction management would be a beneficial career move, Holt enrolled in CSU’s CM program.

While in school and also working as a teaching assistant, Holt discovered he enjoyed teaching. “I was interested in doing something different, giving back to a great industry, and having some time to pursue my art,” he says. “Teaching construction management seemed to be a really good mix of what I like to do.”

CM Department Head Larry Grosse liked the assortment of knowledge and experience Holt brought to the classroom. He hired Holt as a lecturer initially; beginning this fall, Holt will be part of the department’s faculty, teaching the Senior Capstone course.

Holt already has made several contributions to the department. His thesis on case studies for construction management courses at CSU has led to developing a case study library for the department. He donated one of his bronze sculptures to the department for the 2006 Ram Built Gala 60th Anniversary auction. Recently, he presented a concept drawing for a proposed mural in the department’s new JE Dunn Construction classroom. (See related stories, pages 8 and 9.)

Holt believes his art training is a major asset to his construction and teaching careers. “Having a trained eye for seeing detail is very beneficial,” he says. “Additionally, I use illustration as a visual aid when describing ideas and images to others.” He often uses his graphic skills in the classroom to create 3-D drawings that help students better understand concepts.

“There’s a lot of construction in art and a lot of art in construction,” says Holt. “In constructing sculptures and buildings, everything must be put together in such a way that the finished piece will stand up.”

Meet Ron Holt

Education
B.A. Art, University of Missouri, 1970
M.S. Construction Management, Colorado State University, 2006

Recent Positions
JE Dunn Construction Company, Medical Center of the Rockies, Summer 2006
Instructor and Teaching Assistant, Construction Management, Colorado State University, 2003-2006
Director of Real Estate and Construction, TPI Inc., 1990-1996
President, Holt-Stephan Construction Company, 1985-1990

Visiting Scholar
The Department of Construction Management is pleased to announce Jung-Kyu Kim will spend the 2006-07 academic year as a visiting scholar. Kim is an assistant professor in the Department of Architecture, Mokpo National University, Republic of Korea. He will work with Angela Guggemos to research details of hybrid construction materials.
Outreach

Posters Promote Colorado Wood, Green Building

An invitation to speak at a recent U.S. Green Building Council-COLORADO chapter meeting inspired CM member Gailmarie Kimmel to develop posters to illustrate what the Colorado Wood Utilization and Marketing program is all about.

“The posters were the culmination of 4½ years of connecting forest service employees with builders to discuss common concerns about wood and healthy forests,” says Kimmel, manager of the program. The program’s aim is to create demand for wood removed from the state’s forests by developing new markets for Colorado wood by-products, such as building with beetle-kill pine or heating homes and offices with wood pellets made from forest residue.

The attractively designed posters were so well received that they were asked to “go on tour.” In the last six months, they’ve been displayed at Colorado and U.S. Forest Service offices, the Governor’s Office on Energy and Conservation, in Colorado State University’s College of Natural Resources and Department of Construction Management, at Fourth of July activities in Summit County, in Estes Park, and at the Colorado State Fair.

The Colorado State Forest Service-funded posters may be viewed at www.ibe.colostate.edu/projects/forest.htm, or by contacting Gailmarie Kimmel, (970) 491-3260, gmkimmel@cahs.colostate.edu.

ASC Conference a Success

In April, the CM department sponsored the 42nd annual Associated Schools of Construction (ASC) Conference. ASC is the professional organization that has helped pave the way for excellence in construction education nationwide.

More than 160 faculty from member schools attended the conference to share research and experiences and participate in discussions regarding the future of construction education and its application to industry.

Bill Pulte, CEO and founder of Pulte Homes, was presented the lifetime achievement award for his support of construction education.

“The ASC Conference gave us an opportunity to showcase our facilities at Colorado State and demonstrate what partnerships with industry can do,” says CM Department Head Larry Grosse.

CM Career Fair

The CM department’s career fair has become the cornerstone of on-campus recruiting activities at Colorado State for construction management students and graduates. The fair continues to grow, attracting more and more companies and students at each event.

Contact Jeni Moore in the CM Career Placement Office now if you or your company would like to attend. This year’s fairs will take place on Sept. 19 and again in February at the Fort Collins Hilton. For more information, contact Moore at (970) 491-4610 or moore@colostate.edu.

News Brief

CM Professor Angela Guggemos recently completed the first of several studies on a trial section of green roof commercially installed at New Belgium Brewery last year. The brewery hopes Guggemos’ research will explain why the trial roof didn’t perform well and how it can be improved, so they can eventually add more green roof to the building. Graduate student Laura Spence, M.S. ’06, helped with the study.

News Brief

Chris Koziol, CM professor and director of the department’s Architectural Preservation Institute (API), has been working with the National Park Services’ Vanishing Treasures program to help parks managers address problems affecting standing historic and prehistoric ruins in national parks and monuments. Among other issues, the API has helped with mitigating damage caused by rodents burrowing into the ruins at Casa Grande National Monument in Arizona, researching materials to repair lime-concrete ruins at Wyoming’s Fort Laramie, and preserving Arizona’s Tuzigoot National Monument in Arizona.
Undergraduate student Ann Szynskie

Born Leader

When CM student Ann Szynskie was 10, she joined her aunt to help build a Habitat for Humanity home for a single mom and her children. Now president of Colorado State’s Habitat for Humanity student chapter, the CM senior says, smiling, “I’ve been diagnosed with ‘infectious habitudus.’” This is Szynskie’s third year helping the chapter educate local communities about poverty housing, both at home and worldwide.

Szynskie also provides community service under her scholarship from UCAN Serve America Education Program. As president of the Dean’s Leadership Council, she’s working to increase the council’s visibility on campus, so members can better advocate for the needs of the students in the College of Applied Human Sciences.

Szynskie plans to graduate next May with a B.S. in construction management and an emphasis in mechanical, electrical, and plumbing systems (MEP). She says she finds MEP work fascinating. “It’s these systems that make a building comfortable, bright, fire-safe, and sanitary, yet they are the biggest enigma for most construction managers.”

Cream of the Crop

Since receiving her bachelor’s degree in construction science from Texas A&M five years ago, Jenna Brummet has managed and assisted with more than $189 million worth of construction projects, many of them schools.

“While I’d like to try hospital work or something else different,” says Brummet, “I’m more excited about wrapping my mind around some of the large-scale problems the construction industry is experiencing.”

Brummet is part of a growing trend: She is one of many industry professionals who are entering the construction management graduate program at Colorado State. Among others, Brummet joins Brett Nolan, who has been a project engineer with Alvarado Construction since graduating in CM from Colorado State in 2001, and Randall Babish, whose most recent experience has been as vice president and project manager for Mountain States Finishing.

Many of the new graduate students promise to be an asset to the program, says Department Head Larry Grosse. “Not only will their industry experience complement and enhance course material and class discussions, these new students are also qualified to be graduate teaching assistants.”

Brummet intends to make teaching her next career. “I hope teaching will allow me to try my hand at tackling some of the larger industry issues, like the labor shortage, lack of skilled labor, an aging workforce, industry image problems, and energy and efficiency issues in building,” she says. “I’m even hopeful I might be able to solve one of them or at least make some of our lives a little easier.”

News Brief

A dedication for the first house co-sponsored and built by students in Colorado State’s Habitat for Humanity student chapter took place in June. Students are now raising another $25,000 to co-sponsor a second house.
Class Notes

Tyler Schillins, ’02, currently is working as a construction engineer for CECO Concrete Construction in Seattle and Hawaii.

Robert E. Daniels, ’75, is the executive vice president at Hensel Phelps Construction Co. and will be celebrating his 30th year with the company.

Jerry W. Barnes, ’66, received a master’s in civil engineering from the University of Texas at Arlington. He is a registered professional engineer of Texas and has 37 years of experience with the bridge and road construction industry.

David R. Moll, ’92, works at Har-Bro Construction as vice president. He became the officer and principle of Har-Bro Construction in 2000.

Ronald R. Young, ’79, is the vice president of GC Corp. He has construction offices in California and Mexico.

(John) Derrick Beneville, ’86, has been with Hoffman Construction for 18 years and has traveled to Alaska, Oregon, Washington, and California. He has been married to Michele Beneville for 17 years. They have a daughter, Kaitlin, 14, and a son, Blake, 10.

Andy Reichert, ’87, currently is employed at Collins Controls Associates, Inc. His job is to support general, mechanical, and electrical contractors and facility owners.

Pre-Poinsettia Bowl Festivities

The day before Colorado State battled Navy in the Poinsettia Bowl last December, Hensel Phelps Construction Company sponsored a CSU reception in the home of Wayne, ’75, and Linda Lindholm in Laguna Niguel, Calif. Special thanks to Lindholm and Laird Heikens, ’89, for organizing and coordinating this event.

Putting Their Green to Work!

Four alumni, who recently earned their master’s degrees in construction management with an emphasis in sustainable building, have been given significant industry opportunities, thanks in part to the LEED work they performed for Fossil Ridge High School in Fort Collins.

While at Colorado State, all four students were all employees of the CM department’s Institute for the Built Environment (IBE), an interdisciplinary research center directed by faculty member Brian Dunbar. The institute performs green building consultation on regional projects, which, in turn, provides educational and career development to graduate students.

In 2002, when the Poudre School District hired the IBE to help the project team document the LEED (Leadership in Energy and Environmental Design) rating system credits, Katherine Pettit, John Mlade, and Grant French were given the opportunity to learn details of LEED and green building. Each student passed the LEED Accredited Professional exam and subsequently has gone on to related career achievements.

Katherine Pettit, M.S. ’03, is a LEED project engineer with Sebesta Bloomberg, a national engineering and facilities consulting company. Pettit, assigned to LEED work on the U.S. Pentagon, is assisting in the documentation of LEED for Existing Building Certification.

John Mlade, M.S. ’05, is the National Science and Technology Sustainability Manager for Perkins and Will, an architectural firm with offices in Chicago, Atlanta, and 18 other locations in the United States, Canada, and Asia.

Grant French, M.S. ’04, is a project engineer with Swinerton Builders at the company’s San Francisco headquarters. Swinerton was one of the first large international construction companies to create a green building division within their company.

Josie Plaut, who coordinated the Fossil Ridge High School LEED submission, just completed her graduate studies in sustainable building at CSU. A LEED Accredited Professional, Plaut is working as special projects manager for the IBE, directing graduate student work on eight sustainable building research projects. She also is consulting with Domani, a Denver-based company that specializes in sustainability and green building.
We Love Hearing from You!

Please let us know of any career advancements, personal achievements, or other news you’d like to share since graduating from Colorado State. You may use this form to (please check all that apply, and make duplicate copies as needed):

- Send news about yourself
- Add your card to the Wall of Honor (include business card and check for $25)
- Identify a Colorado State CM graduate who is a leader in the construction industry.

Year of graduation: _____________________ Major: ______________________________________

Your name: __________________________________________________________________________

Your company name: _______________________________ Your title: ________________________

Your home address: ___________________________________________________________________

Your phone: (W) ( __________ ) ___________________ (H) ( __________ ) ___________________

Your e-mail address: __________________________________________________________________

NEWS BRIEF

Personal and/or professional news about yourself:

_____________________________________________________________________________________

_____________________________________________________________________________________

_____________________________________________________________________________________

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Wall of Honor

The CM department invites all its alumni and construction companies who hire CSU CM graduates to become a part of the department’s Wall of Honor.

The Wall of Honor recognizes CM graduates by permanently displaying their business cards under glass in Guggenheim’s central hallway.

To add your name to the growing list of professionals who are CSU graduates, send your business card and a minimum donation of $25 per card to Sue Wagner-Renner, Department of Construction Management, Colorado State University, 1584 Campus Delivery, Fort Collins, CO 80523-1584. Please make your check payable to CSU Foundation.

Display Your Company’s Image Daily to Top-Notch CM Students

Create a 3’x5’ masonite display about your company, and we’ll mount it in our computer laboratory, where the country’s top-ranked construction management students will see it daily. Use the panel to display your company’s name, logo, and information and to show photos of your projects.

The cost to display your company’s panels is $3,500 for a five-year period. Proceeds are used to improve the computer facilities. For more information, contact Larry Grosse at (970) 491-7958 or drfire107@mindspring.com.

Send Us Your Hard Hat

Colorado State’s construction management department is collecting a hard hat from every company that recruits our students. Hard hats are proudly displayed in the second-floor hallway of Guggenheim Hall. It’s a way of showing all the companies that recruit at Colorado State.

If we haven’t yet received your company’s hard hat, please send one to Larry Grosse, Department of Construction Management, Colorado State University, 1584 Campus Delivery, Fort Collins, CO 80523-1584.
### Events

#### 2006

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 21</td>
<td>Fall semester began</td>
</tr>
<tr>
<td>Sept. 5</td>
<td>Denver Green Building certificate classes begin</td>
</tr>
<tr>
<td>Sept. 13</td>
<td>Denver CM certificate classes begin</td>
</tr>
<tr>
<td>Sept. 19</td>
<td>Fall CM Career Fair</td>
</tr>
<tr>
<td>Sept. 21</td>
<td>CM Scholarship Dinner</td>
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<tr>
<td>Sept. 25-28</td>
<td>Mobile Sources Clean Air</td>
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<td></td>
<td>Conference – Keystone</td>
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<tr>
<td>Oct. 7</td>
<td>Homecoming Weekend: CM Department Continental Breakfast at Guggenheim Hall</td>
</tr>
<tr>
<td>Oct. 26</td>
<td>PADB meeting</td>
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<tr>
<td>Oct. 27</td>
<td>1870 Club Dinner</td>
</tr>
<tr>
<td>Nov. 3</td>
<td>CAPA Asphalt Lab Open House</td>
</tr>
<tr>
<td>Dec. 15-16</td>
<td>Fall Commencement</td>
</tr>
</tbody>
</table>

#### 2007

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Jan. 16</td>
<td>Spring semester begins</td>
</tr>
<tr>
<td>Feb. 6-10</td>
<td>NAHB student competition – Orlando</td>
</tr>
<tr>
<td>Feb. 7-10</td>
<td>ASC student competition – Reno</td>
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<tr>
<td>Feb. 19</td>
<td>Spring CM Career Fair</td>
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<tr>
<td>Feb. 26-March 1</td>
<td>MCAA student competition – Orlando</td>
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<tr>
<td>Feb. 28-March 2</td>
<td>Rocky Mountain Asphalt Conference and Equipment Show – Denver</td>
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<tr>
<td>March 10-18</td>
<td>Spring Break</td>
</tr>
<tr>
<td>March 21-24</td>
<td>ABC student competition – Nashville</td>
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<tr>
<td>April 12-14</td>
<td>National ASC conference</td>
</tr>
<tr>
<td>May 11-12</td>
<td>Spring Commencement</td>
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For further information, visit the department’s Web site at www.cm.cahs.colostate.edu or contact Sue Wagner-Renner at wagner@cahs.colostate.edu.

*Photo: Column at Guggenheim Hall.*