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**Building a Legacy with CM Cares**

Student leaders from CM Cares presented their projects and celebrated another successful semester of community work in front of a packed house of donors, volunteers, students, faculty and staff on May 12.

CM Cares, the Department of Construction Management's community service-learning initiative, infuses leadership traits, team-building and ethics through community service activities. More than 20 projects have been completed since the program's inception in 2010.

"CM Cares is not just a program, it's a legacy," said student project leader Alex Romero. Two years ago, Romero was a student volunteer on a CM Cares project, and the experience motivated her to continue volunteering and serve as a project leader for the first time this year.

More than 40 companies and organizations supported two projects this spring: the Schneider Family Project and the Zamora Family Project. "It's amazing to watch the students bond with these families," said Joe Dominic of Bobcat of the Rockies, a third-year donor and volunteer.

Sharon and Ernie Zamora were in need of several home modifications for wheelchair accessibility.

Sharon has had several surgeries, including one on her spine that left her with limited mobility and the need to use a wheelchair. The project included a new deck and ramp for access to the backyard and modifications to one of the home's bathrooms, including a roll-in shower. Previously, Sharon had not been able to access the backyard patio due the steep steps, but now she looks forward to having a tea party with her grandchildren and enjoying colorful Colorado sunsets on the new deck.

The Schneider Family Project also included accessibility modifications to a home. Linda and Chuck Schneider are both retired teachers and have been challenged by regular daily living since Chuck suffered a stroke. The project included a small addition to the house, providing an accessible bathroom and safe access to the outdoors with a ramp and landscaping. "Our entire perspective on quality of life will change now that Chuck is able to access the areas of our home that he used to enjoy so much," Linda said.

The CM Cares project application will open later this month for projects that will take place next spring. For more information or to give to CM Cares, please see [www.cm.chhs.colostate.edu/](http://www.cm.chhs.colostate.edu/).

Advancing the knowledge and practice of construction management for the betterment of society through teaching, applied research, and service to local, national, and global communities.



## Grad Student Poster Presentation at ASC



CM graduate student, Duygu Akalp, participated in a poster presentation at the 52nd Annual International Conference of the Associated Schools of Construction at Brigham Young University in Provo, Utah on April 13-16, 2016. Her presentation, "Bid or No Bid Decision Making Tool Using Analytic Hierarchy Process," was based on her thesis topic, which aims to develop a tool to help the decision-makers select the most appropriate projects to bid on by minimizing the bidding risks.



## Recruitment Outreach to Middle and High School Students

The department's efforts to recruit new students to CM has been in full swing this semester, with several events both hosted and attended by CM Staff. "What we find is that a lot of students don't even know Construction Management is an option," says Recruitment Coordinator Kayla Boos. "We're trying to educate as many students as we can about construction education as a professional career path."

Events have been varied in both audience and location. Choose CSU, a university visit day for admitted students, presented multiple opportunities to promote the reinstated CM Minor, as well as give prospective students a look at the culture of the CM Department. "We're really excited about reinstating the minor, and it's more than just courses; with all the clubs, competition teams, and career fairs, there is a lot more to do here outside of the classroom" says Anna

Fontana, Internship Coordinator and Recruitment Committee Co-Chair.

Students from Poudre High School's Geometry in Construction course visited the department to see first-hand what being a CM student is all about. The day-long field trip consisted of lego bridges and matchstick houses, a Q&A with current students, and culminated with a tour of the CSU Stadium construction site. As Boos said, "finishing the day with the stadium tour was incredible. It was so fun to see the students put it all together, and visualize themselves on a construction site in the future."

Fontana and Boos have hit the road for many events this semester, including the Rocky Mountain High School Career Xpo in Fort Collins, and Girls Exploring STEM (GESTEM) taking place in Denver. At Rocky Mountain, they hosted a booth in the post-secondary education

fair, and led a breakout session for students interested in Architecture, Construction, or Engineering (ACE) fields. At GESTEM, an annual event with over 1,000 middle school girls, Fontana and Boos volunteered as group guides and activity presenters.

"When we talk about Construction Management, many students have that "aha!" moment as they realize this is the right fit for them," says Boos. "I think that is the most rewarding part. There are so many opportunities in construction for so many people, and it's very exciting to share my passion for this industry with students and have that passion be reciprocated."

Interested in getting involved with recruitment activities, or have an idea you'd like to share? Contact Kayla Boos at [kayla.boos@colostate.edu](mailto:kayla.boos@colostate.edu).

## CMAA Student Chapter Hosts Dave Conover

Colorado State University's CMAA student chapter was given the opportunity to host a fantastic guest speaker to enlighten students about Agency CM. Dave Conover is the Colorado State student chapter liaison for CMAA. More than 50 students attended the presentation. Not only did Conover cover Agency CM, his presentation covered the benefits of the CCM (Certified Construction Manager) certificate. This certificate is playing an ever-increasing role in the construction industry and is starting to become a standard that owners are looking for in employees.



# PADB Spotlight: Saunders



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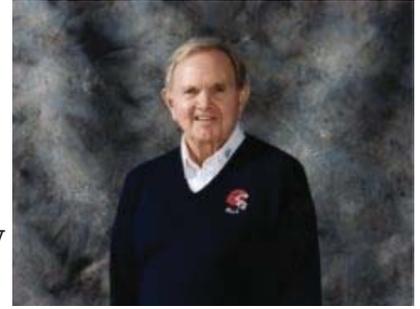


## Former Bills Owner and IHC Support Construction Management

Story by Katie Brayden

The generosity of Ralph C. Wilson, Jr., was bigger than football. It was bigger than the Buffalo Bills, the National Football League team he founded and owned for 54 years. His tenure there, third longest in NFL owner history, earned him a spot in the Pro Football Hall of Fame. And it was bigger than the millions of fans who considered him a beloved member of the Buffalo, New York, faithful.

After his passing at the age of 95, Wilson made his final statement of generosity by taking \$1.2 billion in proceeds from the sale of the Buffalo Bills to create the Ralph C. Wilson, Jr. Foundation, and now that foundation has made a generous donation to the Construction Management Program at CSU.



“It has been a truly humbling experience to be able to carry out Ralph’s wishes and legacy by serving the causes and people that he cared so deeply about,” said Mary M. Wilson, Wilson’s wife.

Wilson owned, invested in and sold many businesses throughout his long and decorated life. At the time of his passing, one company he owned was Interstate Highway Construction, Inc. a full-service heavy highway contractor based in Colorado. His father, Ralph C. Wilson, Sr., was one of the company’s original investors over 60 years ago.

“We couldn’t have asked for a better owner,” says John Edwards, vice president for business development at IHC.

“We enjoy big company opportunities with a small company feel,” explains Jim Randall, president and chief operating officer at IHC and 1992 graduate of Colorado State University’s Department of Construction Management. IHC currently employs nearly a dozen CSU graduates and interns, and states that its greatest pride is the longevity of its workforce.

With the help of IHC’s strong advocacy and championing of the construction management program at Colorado State, the Ralph C. Wilson, Jr. Foundation has awarded CSU a transformative donation to support two of the program’s main pillars: student service-learning and intercollegiate construction management competition team development. The funding has been put to immediate use.

“The contributions of the Ralph C. Wilson, Jr. Foundation with the assistance of Interstate Highway Construction has given our Department of Construction Management the ability to enhance the student experience in tremendous ways beyond the classroom,” says Jeff McCubbin, dean of the College of Health and Human Sciences at CSU, where the Department of Construction Management resides. “Gifts like these allow us to be exceptional, and we are grateful to be a place worthy of carrying out Ralph’s incredible legacy.”

Through Wilson’s legacy, the Department of Construction Management will continue to reflect his passion for people and commitment to bettering the community.

## Another Successful CM Golf Classic

Industry and students gathered on April 22nd for the Annual CM Golf Classic at Southridge Golf Course in Fort Collins. With 144 total players and 74 industry members representing 21 companies, it was the largest golf tournament the department has ever hosted. “Not only is this a great networking event for our current students, it’s also an opportunity for our alumni to reconnect,” said Internship Coordinator Anna Fontana.



Played in teams of four in a scramble format, the tournament also included fun contests such as Closest to the Pin, Closest to the Keg, and Longest Drive. Says alumnus Steve Kenyon, “I look forward to the golf tournament every year. After planning it with the Board of Directors as a student, it’s so much fun to return every year as an alum of the program.”



## Faculty Awarded by ASC at 2016 International Conference

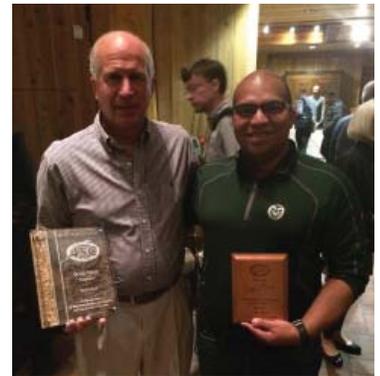
Assistant Professor Rodolfo Valdes-Vasquez was awarded the Associated Schools of Construction Region 6 Teaching Award at the ASC Conference in Provo, Utah.

In order to enhance the content of his classes and improve the learning process for his students, Valdes-Vasquez was successful in securing funding from Colorado State University's School of Global Environmental Sustainability (SoGES) to develop courses with a sustainability perspective and bring sustainability into existing courses. In addition to teaching, Valdes-Vasquez serves as the faculty

advisor of the CSU USGBC Student Chapter, and led the Sustainable Building team to second place in the 2015 ASC Region 6 Student Competition.

Mostafa Khattab, Department Head, commented, "Dr. Valdes Vasquez is a highly dedicated professional who strives to motivate his students to learn. He is always available to assist students during and after his office hours."

Professor Scott Glick was also recognized with a Service Award for being Treasurer for ASC for the past year.



*Pictured (Left to Right): Scott Glick and Rodolfo Valdes-Vasquez*

## MCAA's Tom Stone Visits CSU



### [Feature from MCAA Student Chapters](#)

Tom Stone attended a social and dinner gathering with faculty and students from the Rocky Mountain Chapter of MCAA at Colorado State University on March 8. Then President-Elect Stone talked about his experience in the industry and how it can be a road map for the students' futures. He encouraged students to consider careers in mechanical contracting, saying, "You can do lots of different things... career opportunities exist for project managers, estimators, Building Information Modeling, computer experts, you name it." In addition to the industry's embrace of the

latest construction technologies, he pointed out one of the great rewards of mechanical contracting, saying, "With every job we do there's a sense of accomplishment and we feel proud about what we've done. We get to actually build things." Representatives of five other local MCAA member companies who offer great futures for CSU students were also on hand: U.S. Engineering, Apollo Mechanical Contractors, Murphy Company, Trautman & Shreve Mechanical Contractors & Engineers, and Olson Plumbing & Heating Company.



## Students Present Senior Capstone Projects

Colorado State University's CMAA student chapter was given the opportunity to have their President and Vice President present their CM senior capstone projects in April's Colorado Chapter Meeting at the Dickens Tavern and Opera House in Longmont, Colo. Graham McInerney (President) and Garrett Haag (Vice President), presented mock-up bid proposals for real-life construction projects. By building a schedule, estimate, safety plan,



contract and more, the two explained the difficulties they came across throughout the semester-long group project. Both students explained how these senior projects are a great ending to the program and enhances a student's education as they begin their careers out of school. They were supported by several other Colorado Chapter representatives and Denver University's newly added CMAA Chapter.

# PADB Spotlight: JE Dunn Construction



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## MCAA Team Earns 2nd Place in Final Four

Each year, MCAA's Student Chapter Competition challenges promising young professionals to demonstrate their knowledge of mechanical systems, the details of a project bid proposal and the demands on a contracting business while coping with the pressures of being on stage. The CM team placed 2nd at the student competition held during the MCAA Annual Convention in Orlando, Florida this past March.



## ABC Student Club Trainings

The Associated Builders and Contractors (ABC) Student Chapter had another great and eventful spring semester! The chapter coordinated many events that aid students in building their experience level and knowledge in the construction industry.

Highlighted events from the semester were the Hilti certification, Trimble Presentation, and the hands-on Navisworks experience from Mortenson Construction. On April 1, the club hosted the Hilti Powder Actuated Tools and Firestop Certification. Students from the CM Department were allowed to learn about the proper method of utilizing powder actuated tools and firestop. On April 7, Ian Warner from Trimble spoke on the technology advancements in robotic equipment and 3D modeling. Following Warner's presentation, students were able to experiment/test the new equipment for themselves. The final showcase for the semester was helping students learn more about the software program, Navisworks. Aaron Farmer ('14) from Mortenson Construction gave students a hands-on learning experience to better operate the clash-detecting program.

The ABC Student Chapter is thankful for all the speakers and industry that dedicated their time to help our chapter become better than ever.



## Faculty Research

Dr. Mehmet E. Ozbek was awarded a grant for the research project entitled "Business + Commute Optimization System (B+COS): Development and Denver-Based Case Study" by the Mountain-Plains Consortium University Transportation Center, which is a competitively selected university program sponsored by the U.S. Department of Transportation through its Research and Innovative Technology Administration. This is a collaborative research project and includes faculty from Colorado State University as well as the University of Colorado-Denver. This project's purpose is to develop and evaluate an innovative system called, Business+ Commute Optimization System (B+COS) to identify the optimal selection of business commute alternatives to minimize negative environmental impacts, commute time, and cost for commuters in Denver and eventually USA.

Dr. Mary Nobe is part of a funded project through the CSU Energy Institute to study barriers to DC Microgrid technology. This study aims to understand barriers to the adoption of DC power systems in commercial buildings by creating an interdisciplinary team of academics, practitioners, industry professionals, and non-profit leaders to examine the technical issues and social barriers. The research that IBE conducts will be done in concert with the development of new laboratory facilities at the CSU Powerhouse Campus, which will test a MEG DC microgrid system. The resulting white paper will provide valuable information on the development, deployment, and acceptance of large scale DC microgrid technologies.

Connect with us!



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